



**INTERNATIONAL ATOMIC ENERGY AGENCY**



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IAEA-CPS-93/15  
21 October 1993  
Original: ENGLISH

## **COUNTRY PROGRAMME SUMMARY**

**THE AGENCY'S TECHNICAL CO-OPERATION  
PROGRAMME WITH  
SRI LANKA  
1983 - 1993  
COUNTRY PROGRAMME SUMMARIES**

**DEPARTMENT OF TECHNICAL CO-OPERATION**

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COUNTRY PROGRAMME SUMMARIES

EVALUATION SECTION  
**DEPARTMENT OF TECHNICAL CO-OPERATION**

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PROGRAMME WITH  
SRI LANKA  
1983 - 1993  
COUNTRY PROGRAMME SUMMARIES

This report contains a review of the Agency's technical co-operation activities in Sri Lanka carried out during 1983 - 1993. 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.

**SRI LANKA**

INTRODUCTION	i	<b>T</b>
Assistance by Source	1	<b>A</b>
TACF Assistance	2	<b>B</b>
Extrabudgetary and In Kind Assistance	3	<b>L</b>
TC Project Disbursements by Sector	4	<b>E</b>
Assistance by Type	5	<b>OF</b>
Assistance by Component/Sector	6	<b>C</b>
Sri Lanka's Ranking as TC Recipient	7	<b>O</b>
Top Five Recipients	8-9	<b>N</b>
Financial Summary of Assistance	10	<b>T</b>
Projects by Sector (Allotments/Disbursements)	11	<b>E</b>
Projects by Sector (Completed & Operational)	12	<b>N</b>
TC Project Components by Sector	13	<b>T</b>
Agency Fellows	14	<b>E</b>
Long-term Fellowships	15-17	<b>N</b>
Fellows Holding More than One Award	18	<b>T</b>
Training Course Participants	19	<b>E</b>
Multiple Participants in Training Courses	20-24	<b>N</b>
Projects Completed	25-28	<b>T</b>
Operational Projects	29-31	<b>E</b>
Counterpart Institutions (by Project)	32-37	<b>N</b>
Counterpart Institutions (by Institute)	38-45	<b>T</b>
Long-Term Assignments	46	<b>E</b>
Research Contracts/Agreements	47	<b>N</b>
Sri Lankan Experts or Lecturers	48-49	<b>T</b>
Fellowships and Scientific Visits Hosted	50	<b>S</b>
Regional/Interregional Courses Hosted	51	

## INTRODUCTION

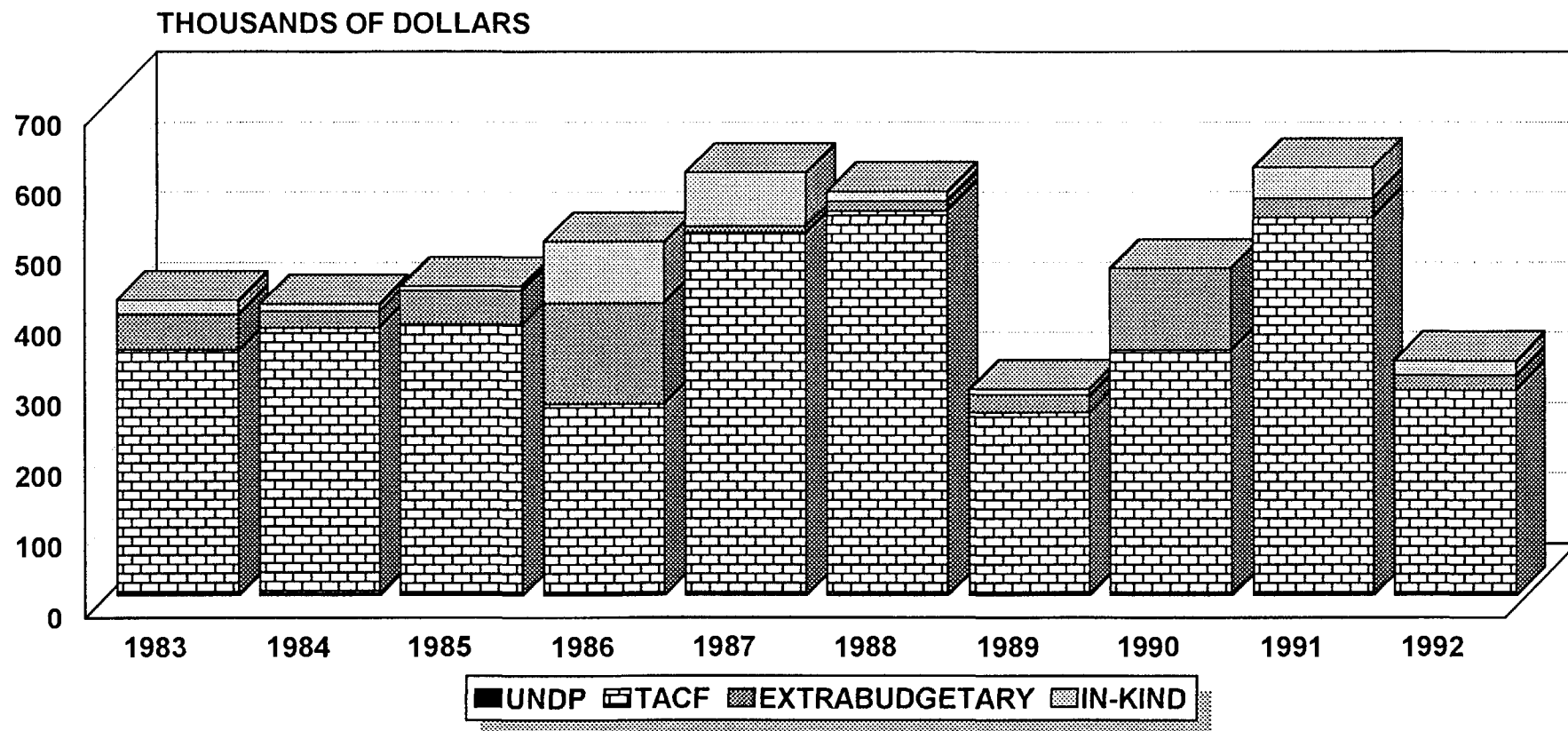
The country programme summary reported on here is one in the series of such studies being undertaken of the Agency's TC programme with Member States. With over \$7.1 million of Agency support received, Sri Lanka ranks 29<sup>th</sup> among all recipients of technical assistance during the period 1958 through 1992.

More than half of the assistance received during the past ten years has been provided in the form of equipment (58%), complemented by training (26%) and expert services (16%). The bulk of the resources was made available through the TACF (84%). Extrabudgetary and in kind contributions accounted for 10% and 6%, respectively. The resources provided by UNDP amounted to less than 0.1%.

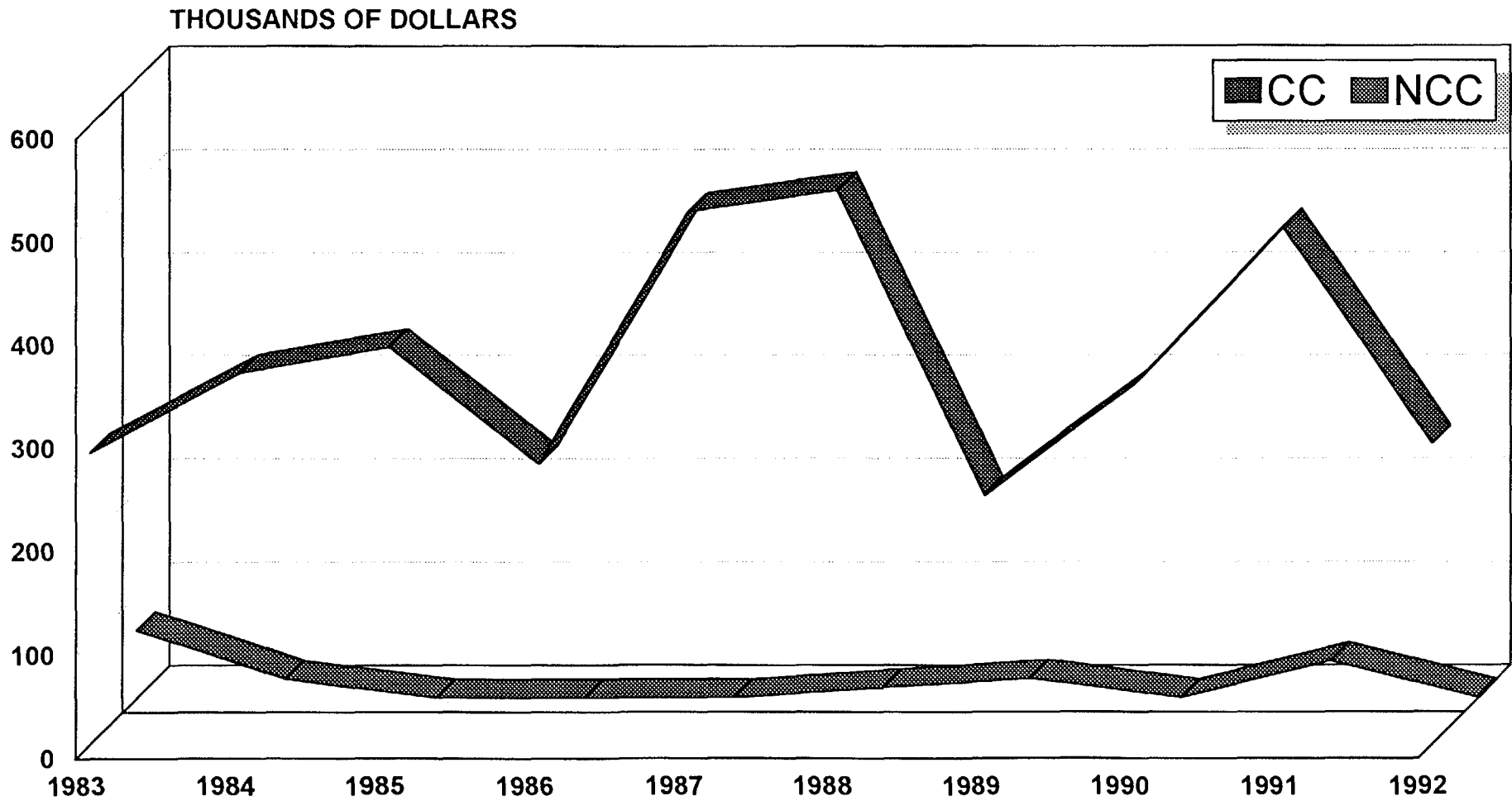
With regard to total disbursements, by sector, under those projects that were operational during the period 1983 through 15 October 1993, the three major areas have been nuclear medicine (28%), agriculture (25%) and industry and hydrology (17%), followed by smaller, almost equal, shares for general atomic energy development (10%), nuclear physics and chemistry (9%) and nuclear engineering and technology (9%).

During the same period, Sri Lanka has provided experts and training course lecturers for a total of 99 assignments, and has hosted seven fellowships as well as two regional training courses with a total of 31 participants. In addition, two outside participants (from Bangladesh and Malaysia) took part in a national executive management seminar held in the context of a regional project.

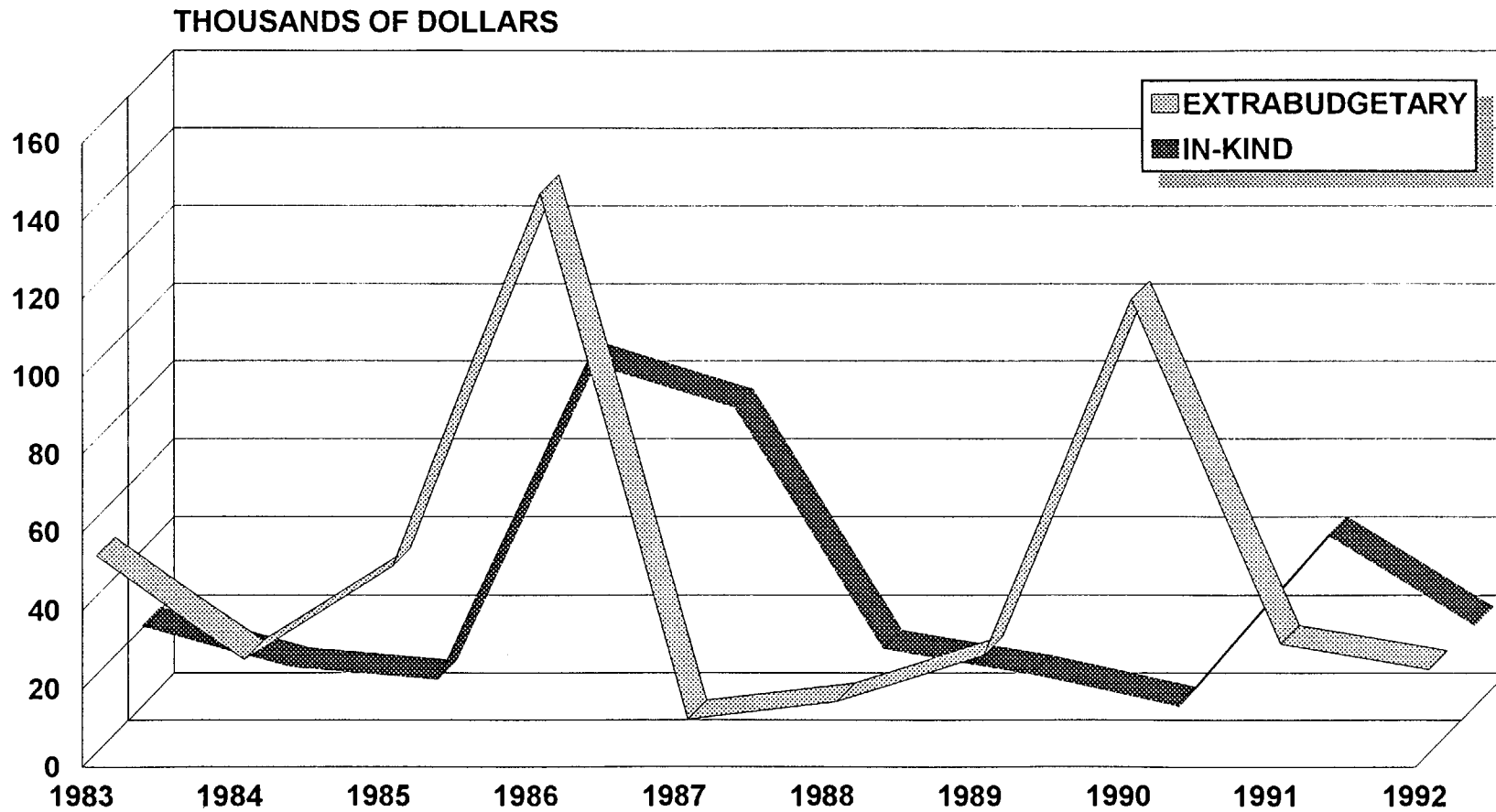
# ASSISTANCE PROVIDED BY THE AGENCY TO SRI LANKA BY SOURCE (1983 - 1992)



# TACF ASSISTANCE PROVIDED TO SRI LANKA (1983 - 1992) BY CC AND NCC

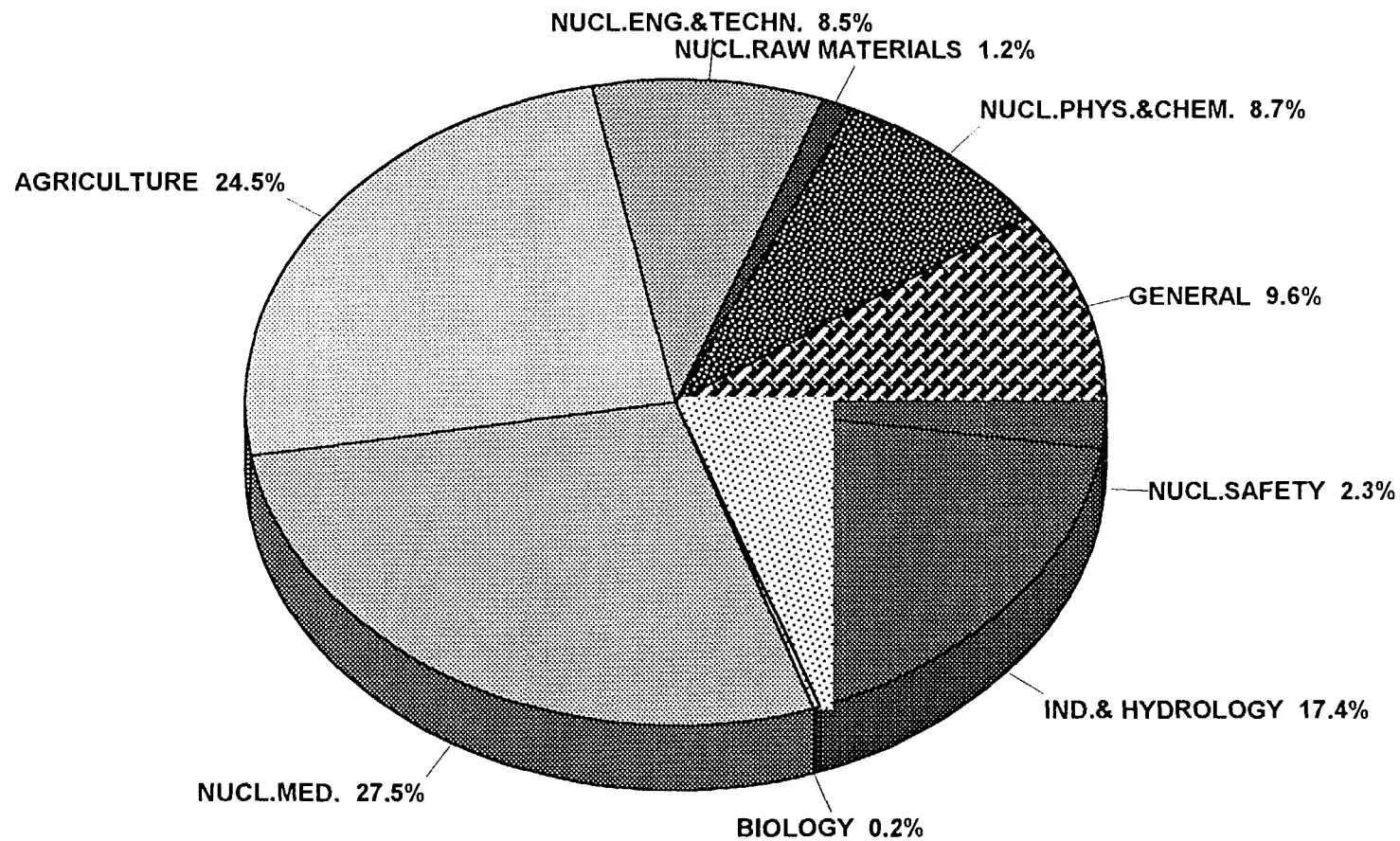


# EXTRABUDGETARY AND IN-KIND ASSISTANCE PROVIDED TO SRI LANKA (1983 - 1992)

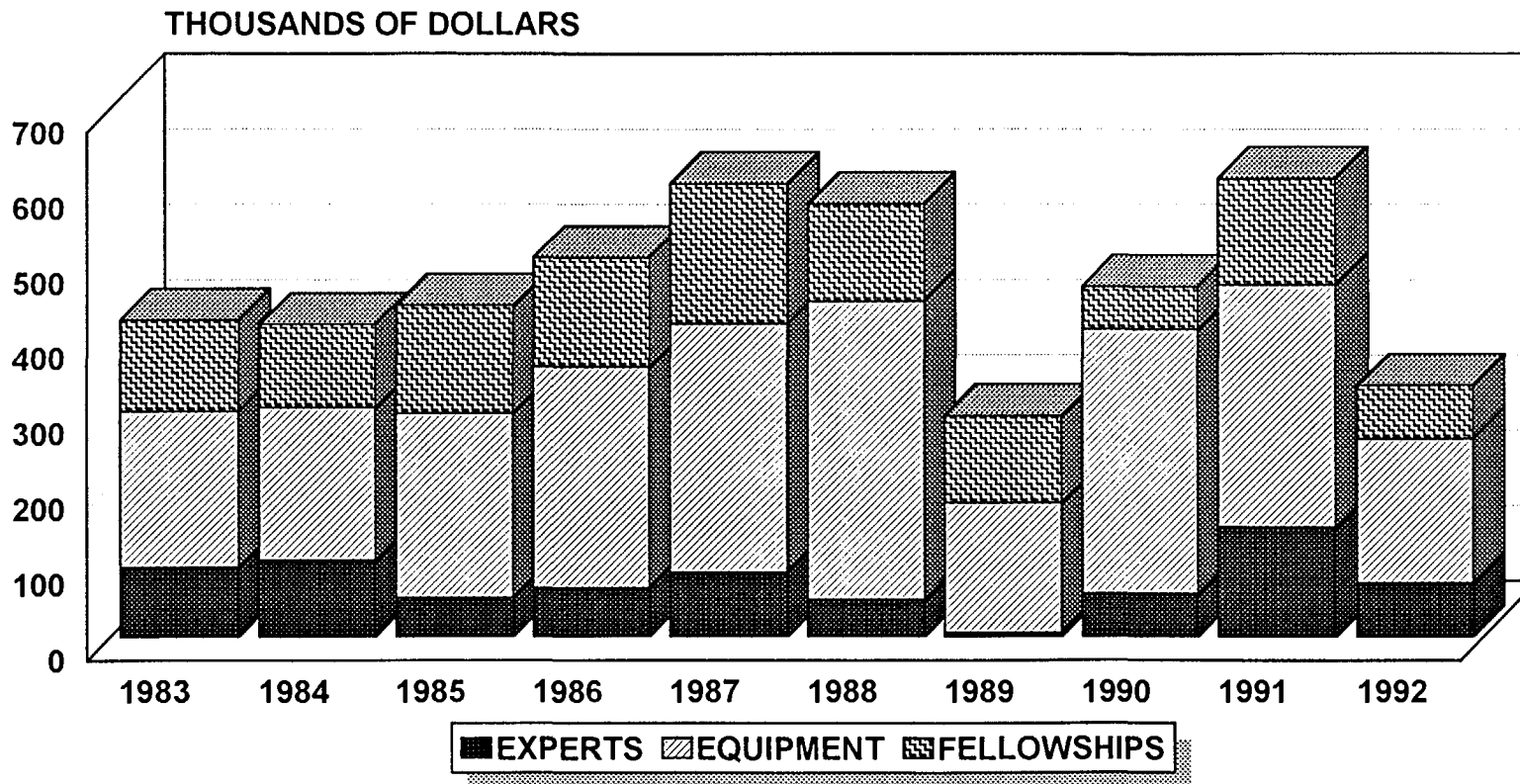




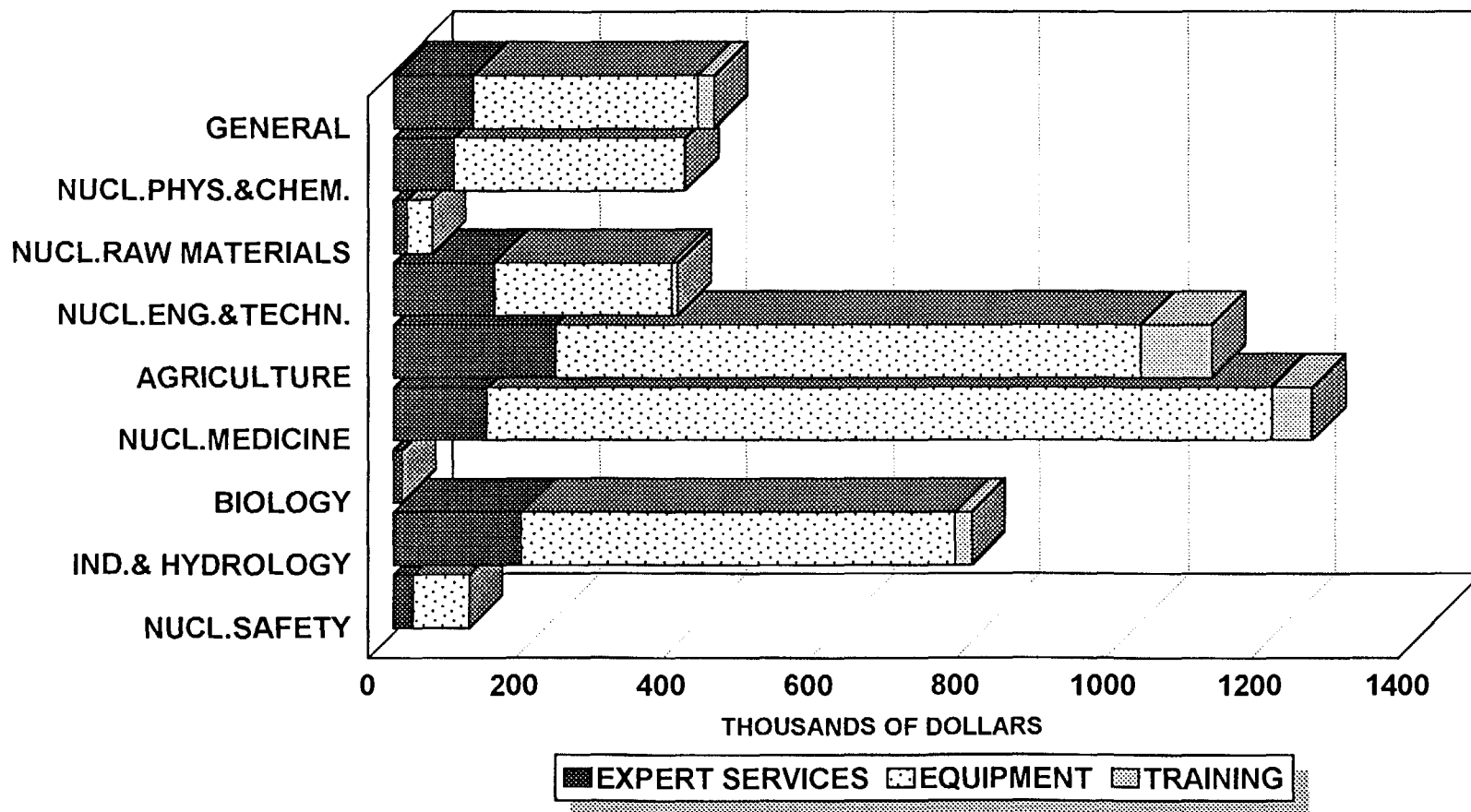
# TC PROJECT DISBURSEMENTS IN SRI LANKA BY SECTOR (1983 - 1993)



# ASSISTANCE PROVIDED BY THE AGENCY TO SRI LANKA BY TYPE (1983 - 1992)



# EXPERT SERVICES, EQUIPMENT AND PROJECT-FUNDED TRAINING PROVIDED TO SRI LANKA BY SECTOR (1983 - 1993)



THE AGENCY'S TECHNICAL CO-OPERATION PROGRAMME WITH SRI LANKA

ALL SOURCES

SRI LANKA'S RANKING AS A TC RECIPIENT  
1958 - 1992  
(in \$1000)

YEAR	RANKING	AMOUNT
1958-82	22 <sup>nd</sup>	2481.2
1983	17 <sup>th</sup>	419.4
1984	18 <sup>th</sup>	413.5
1985	19 <sup>th</sup>	438.9
1986	24 <sup>th</sup>	502.5
1987	23 <sup>rd</sup>	601.0
1988	14 <sup>th</sup>	574.0
1989	37 <sup>th</sup>	292.1
1990	30 <sup>th</sup>	464.2
1991	22 <sup>nd</sup>	607.9
1992	39 <sup>th</sup>	332.4
1958-92	29 <sup>th</sup>	7127.1

**"TOP FIVE" RECIPIENTS OF AGENCY ASSISTANCE  
1958 - 1992 (in \$1000)**

**ALL SOURCES**

Year	I	II	III	IV	V	SRI LANKA
1958-82	BRA 8507.3	IND 6849.4	ARG 5528.2	PAK 5492.7	CHI 5240.1	22 <sup>nd</sup> - 2481.2
1983	EGY 2077.9	PER 1116.8	VIE 948.1	PHI 778.6	IRA 722.1	17 <sup>th</sup> - 419.4
1984	EGY 3625.9	PER 1750.4	THA 1094.6	CUB 1028.7	PHI 881.2	18 <sup>th</sup> - 413.5
1985	EGY 2494.8	PER 1120.7	THA 1117.4	BGD 1068.2	PHI 963.7	19 <sup>th</sup> - 438.9
1986	EGY 2317.0	BRA 1452.9	THA 1169.4	POL 1050.3	BGD 896.4	24 <sup>th</sup> - 502.5
1987	HUN 3452.6	EGY 1775.4	THA 1742.4	INS 1312.5	YUG 1223.2	23 <sup>rd</sup> - 601.0
1988	EGY 1486.9	BUL 1361.6	CPR 1278.5	THA 1158.7	BRA 1096.7	14 <sup>th</sup> - 574.0
1989	CPR 1542.3	EGY 1505.1	THA 1205.3	BRA 1096.5	INS 999.1	37 <sup>th</sup> - 292.1
1990	POL 2308.1	CPR 2005.0	VIE 1589.2	INS 1412.6	BRA 1229.1	30 <sup>th</sup> - 464.2
1991	INS 1305.2	CPR 975.0	EGY 959.8	BRA 951.2	BUL 934.7	22 <sup>nd</sup> - 607.9
1992	EGY 1586.3	INS 1342.1	CPR 1328.8	MEX 1127.8	POL 1036.4	39 <sup>th</sup> - 332.4
1958-92	EGY 23808.6	BRA 17736.8	THA 15332.0	INS 13725.9	PER 13129.6	29 <sup>th</sup> - 7127.1

**"TOP FIVE" RECIPIENTS OF AGENCY ASSISTANCE  
1958 - 1992 (in \$1000)**

**TECHNICAL ASSISTANCE AND CO-OPERATION FUND**

Year	I	II	III	IV	V	SRI LANKA
1958-82	HUN 2971.7	EGY 2405.8	PAK 2340.5	THA 2000.3	BRA 1983.5	13 <sup>th</sup> - 1520.8
1983	EGY 1049.4	VIE 897.4	POL 667.8	PAK 498.5	PHI 430.0	11 <sup>th</sup> - 347.6
1984	EGY 1197.2	CUB 655.6	ECU 565.6	BGD 506.3	BUL 472.4	12 <sup>th</sup> - 377.2
1985	BGD 991.8	VIE 745.0	THA 708.7	BRA 571.8	POR 538.7	14 <sup>th</sup> - 384.4
1986	BRA 1381.8	THA 871.9	POL 833.5	BGD 823.9	SYR 751.8	34 <sup>th</sup> - 270.7
1987	HUN 3305.2	DRK 986.8	BUL 888.5	INS 885.8	EGY 878.9	20 <sup>th</sup> - 516.0
1988	BUL 1195.6	PER 856.5	EGY 768.6	INS 751.7	MAL 656.0	11 <sup>th</sup> - 546.3
1989	EGY 990.9	CPR 868.2	POR 769.6	CHI 756.9	MAL 619.4	36 <sup>th</sup> - 258.9
1990	POL 1562.3	VIE 1518.8	DRK 1156.2	IRA 958.0	YUG 933.4	31 <sup>st</sup> - 347.8
1991	BUL 893.1	PAK 868.8	INS 855.1	VIE 817.6	CPR 814.5	19 <sup>th</sup> - 536.4
1992	EGY 1255.7	CPR 1009.0	VIE 872.8	INS 826.6	IRA 795.5	38 <sup>th</sup> - 290.4
1958-92	EGY 10847.0	HUN 8743.7	POL 8486.4	VIE 8199.9	PAK 8115.6	22 <sup>nd</sup> - 5396.5

ASSISTANCE PROVIDED BY THE AGENCY TO SRI LANKA

Financial Summary 1983 - 1992  
(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
1983	91.2	206.3	121.9	-	-	419.4	1.0	282.1	65.5	50.3	20.5	419.4
1984	100.8	202.0	110.7	-	-	413.5	2.3	359.1	18.1	24.0	10.0	413.5
1985	51.3	244.1	143.5	-	-	438.9	-	384.4	-	47.7	6.8	438.9
1986	64.1	293.1	145.3	-	-	502.5	0.2	270.7	-	143.6	88.0	502.5
1987	84.9	330.0	186.1	-	-	601.0	-	516.0	-	8.6	76.4	601.0
1988	49.4	394.8	129.8	-	-	574.0	-	536.5	9.8	13.1	14.6	574.0
1989	5.4	171.0	115.7	-	-	292.1	-	239.9	19.0	25.0	8.2	292.1
1990	56.9	350.6	56.7	-	-	464.2	-	347.8	-	116.4	-	464.2
1991	145.0	321.6	141.3	-	-	607.9	-	500.5	35.9	27.8	43.7	607.9
1992	71.1	190.6	70.7	-	-	332.4	-	290.4	-	21.4	20.6	332.4
1983-92	720.1	2 704.1	1 221.7	-	-	4 645.9	3.5	3 727.4	148.3	477.9	288.8	4 645.9

TECHNICAL CO-OPERATION PROJECTS IN SRI LANKA  
BY SECTOR

PROJECTS COMPLETED AND OPERATIONAL 1983 - 1993

TOTAL PROJECT ALLOTMENTS AND DISBURSEMENTS  
(as of 15 October 1993)

SECTOR	NO. OF PROJECTS	ALLOTMENTS \$	% OF TOTAL	DISBURSEMENTS \$	% OF TOTAL
General atomic energy development	3	577 836	10.9	436 104	9.6
Nuclear physics and chemistry	5	426 807	8.0	396 302	8.7
Nuclear raw materials	2	46 682	0.9	52 289	1.2
Nuclear engineering and technology	8	539 983	10.2	386 014	8.5
Nuclear techniques in agriculture	15	1 348 799	25.5	1 112 694	24.5
Nuclear medicine	11	1 366 412	25.8	1 248 819	27.6
Nuclear techniques in biology	1	6 900	0.1	10 891	0.2
Nuclear techniques in industry and hydrology	10	863 814	16.3	787 934	17.4
Nuclear safety	1	121 055	2.3	103 182	2.3
TOTAL	56	5 298 288	100.0	4 534 229	100.0



TECHNICAL CO-OPERATION PROJECTS IN SRI LANKA  
 COMPLETED AND OPERATIONAL, BY SECTOR, 1983 - 1993  
 (As of 15 October 1993)

Sector	No. of projects	Total project allotments \$	Total project disbursements \$
<u>Completed projects</u>			
General atomic energy development	1	385 936	391 493
Nuclear physics and chemistry	4	381 857	396 302
Nuclear raw materials	2	46 682	52 289
Nuclear engineering and technology	4	248 353	250 850
Nuclear techniques in agriculture	9	658 688	643 337
Nuclear medicine	5	312 245	260 330
Nuclear techniques in biology	1	6 900	10 891
Nuclear techniques in industry & hydrology	7	620 237	616 334
Nuclear safety	-	-	-
TOTAL	33	2 660 898	2 621 826
<u>Operational projects</u>			
General atomic energy development	2	191 900	44 611
Nuclear physics and chemistry	1	44 950	-
Nuclear raw materials	-	-	-
Nuclear engineering and technology	4	291 630	135 164
Nuclear techniques in agriculture	6	690 111	469 357
Nuclear medicine	6	1 054 167	988 489
Nuclear techniques in biology	-	-	-
Nuclear techniques in industry & hydrology	3	243 577	171 600
Nuclear safety	1	121 055	103 182
TOTAL	23	2 637 390	1 912 403

**EXPERT SERVICES, EQUIPMENT AND PROJECT-FUNDED TRAINING PROVIDED TO SRI LANKA, BY SECTOR  
PROJECTS COMPLETED AND OPERATIONAL 1983 - 1993  
(As of 15 October 1993)**

FIELD	TOTAL PROJECT ALLOTMENTS			TOTAL PROJECT DISBURSEMENTS				
	EXPERT SERVICES		EQUIPMENT	TRAINING	EXPERT SERVICES		EQUIPMENT	TRAINING
	M/M	\$	\$	\$	M/M	\$	\$	\$
General atomic energy development	16/00	113 450	310 636	153 750	14/25	108 987	304 621	22 496
Nuclear physics and chemistry	13/15	88 160	324 847	13 800	11/10	81 535	314 767	-
Nuclear raw materials	2/06	12 210	34 472	-	2/05	17 428	34 861	-
Nuclear engineering and technology	29/04	201 109	283 974	54 900	22/24	138 819	239 495	7 700
Nuclear techniques in agriculture	41/02	305 555	856 434	186 810	30/07	221 219	795 193	96 282
Nuclear medicine	29/05	210 633	1 066 602	89 177	25/23	127 024	1 068 328	53 467
Nuclear techniques in biology	1/00	6 900	-	-	1/09	10 891	-	-
Nuclear techniques in industry & hydrology	28/06	196 239	625 574	42 001	26/10	174 756	589 627	23 551
Nuclear safety	3/24	36 740	84 315	-	2/17	26 504	76 678	-
<b>TOTAL</b>	<b>164/02</b>	<b>1 170 996</b>	<b>3 586 854</b>	<b>540 438</b>	<b>137/10</b>	<b>907 163</b>	<b>3 423 570</b>	<b>203 496</b>

AGENCY FELLOWS FROM SRI LANKA

1983 - 1993<sup>1</sup>  
(As of 15 October 1993)

Sector	No. of fellowships	No. of months/days	Host countries
General atomic energy development	3	4/04	RUS, IAEA
Nuclear physics	5	41/09	SIN, USA, UK, CEC
Nuclear chemistry	8	46/29	CAN, USA, JPN, INS, AUL, CEC, IAEA
Nuclear raw materials	6	44/02	AUL, CAN, USA, IAEA
Nuclear engineering and technology	4	28/17	AUL, IND, ROK, IAEA
Nuclear techniques in agriculture	31	201/01	AUL, IND, USA, CAN, CPR, NET, POL, ITA, JPN, THA, SWE, UK, IAEA
Nuclear medicine	24	158/18	USA, ROK, IND, POL, GER, THA, AUL, MAL, JPN, UK, IAEA
Nuclear techniques in biology	3	1/25	CZE, ROK, AUL, UK
Nuclear techniques in industry and hydrology	16	119/09	SIN, KEN, FIN, CAN, JPN, IND, GER, FRA, UK
Nuclear safety	3	24/09	AUL, SIN, IAEA
TOTAL	103	670/03	

<sup>1</sup>/ Only includes fellows who have completed or at least started training.

SRI LANKA  
LONG-TERM FELLOWSHIPS  
1983 - 1993  
(As of 15 October 1993)

Name	Field of study	Host country	Date	Duration	Project
JAYASEKERA, R.D.K.	Nuclear laboratory technology	USA	Oct.83 - Oct.84	12/01	SRL/1/003
GUNAWARDENA, K.V.R.	X-ray fluorescence analysis	SIN	Jul.87 - Jul.88	12/01	SRL/0/002
MAHAWATTE	Nuclear physics	UK	Sep.84 - Nov.85	13/16	SRL/0/002
DEVENDRA	Radiation vulcanization of rubber	JPN/INS	May 86 - Dec.87	14/26	RAS/8/008
WADUGE, V.A.	XRF analysis and sample preparation	CEC	Apr.91 - Apr.92	12/02	RAS/0/018
WITHARANA	XRF analysis	CEC	Mar.90 - Mar.91	12/01	RAS/0/016
ABEYSINGHE	Uranium prospecting	AUL	Mar.82 - Mar.84	24/00	SRL/3/003
PEIRIS, E.P.W.	Uranium exploration	CAN	Jan.87 - Nov.88	22/02	SRL/3/004
CHANDRASIRI	Nuclear instrumentation and maintenance	IAEA	Jul.85 - Jul.86	12/21	SRL/4/009
JAYASINGHE	Nuclear instrumentation	AUL	Feb.83 -Nov.84	21/00	-
GUNAWARDENA, S.F.B.N.	Biological nitrogen fixation	IAEA	Oct.90 - Oct.91	12/01	RAS/0/014
HIRIMBUREGAMA	Nitrogen fixation	IAEA	Sep.83 - Jan.85	16/03	SRL/5/015
MUNASIRI	Food preservation	IND	Apr.84 - Apr.85	12/00	SRL/5/009

SRI LANKA  
LONG-TERM FELLOWSHIPS  
1983 - 1993  
(As of 15 October 1993)

Name	Field of study	Host country	Date	Duration	Project
NAYAKAKORALA	Soil/plant/water relationships	USA	Aug.86 - Aug.87	12/01	SRL/5/016
PERERA, H.G.D.	Animal nutrition	AUL	Jun.82 - Sep.83	15/00	SRL/5/013
RANAWEERA	Plant nutrition	AUL	Sep.83 - Sep.84	12/00	SRL/5/015
SAMARAPPULI	Soil moisture	USA	Apr.86 - Apr.88	24/00	-
SAMARAWEERA	Plant physiology	AUL	Oct.85 - Dec.86	13/28	SRL/5/019
SENARATNE	Plant nutrition	IAEA	Jul.84 - Oct.85	15/03	SRL/5/015
ALAHAKOON	Nuclear medicine	UK	Oct.86 - Oct.87	12/01	-
FERNANDO, Q.C.	Nuclear medicine techniques	UK	Jan.88 - Feb.89	13/02	SRL/6/013
GUNASEKERA	Nuclear medicine	UK	Oct.84 - Jan.86	15/11	SRL/6/010
HERATH	Nuclear medicine	USA	Jan.91 - Jan.92	12/02	RAS/0/018
MENDIS	Nuclear medicine	UK	Aug.83 - Aug.85	24/06	SRL/6/011
PERERA, K.I.	Nuclear medicine	USA	Feb.86 - Feb.87	12/00	SRL/6/012
WATAWANA	Nuclear medicine	UK	Sep.88 - Oct.89	13/00	SRL/6/010

SRI LANKA  
LONG-TERM FELLOWSHIPS  
1983 - 1993  
(As of 15 October 1993)

Name	Field of study	Host country	Date	Duration	Project
ATULUWAGE	Isotope hydrology	CAN	Aug.84 - Dec.85	15/22	SRL/8/007
DAYANANDA	Industrial applications of radiation	UK	Nov.85 - Nov.86	12/00	SRL/8/008
JAYATILAKA, C.J.	Isotope hydrology	CAN	Jan.83 - Dec.85	35/16	-
PADMASIRI	Groundwater hydrology	CAN	Oct.86 - Oct.87	12/01	SRL/8/009
WICKRAMANAYAKE	General industrial applications	UK/IND	Aug.88- Dec.89	15/16	SRL/8/011
DE SILVA, G.U.M.	Radiation dosimetry	AUL	Nov.84 - Nov.85	12/00	SRL/1/005

SRI LANKAN NATIONALS WHO WERE AWARDED MORE THAN ONE  
FELLOWSHIP OR SCIENTIFIC VISIT  
1983 - 1993  
(As of 15 October 1993)

Name	Field of study	Host country	Date	Duration	Project
DE ZOYSA	1. Nuclear medicine 2. Nuclear medicine	CAN MAL/JPN	Oct.83 - Dec.83 Feb.93 - Mar.93	1/20 0/28	- RAS/0/018
KARUNARATNA	1. Administration at IAEA/TC programme 2. Administration at IAEA/TC programme	IAEA IAEA	Sep.89 - Dec.89 May 93	2/25 0/02	RAS/0/014 SRL/0/004
PATHIRANA, R.	1. Plant breeding 2. Plant breeding and genetics	USA CAN	Jun.87 Started: Mar.93	0/14 10/00	RAS/5/015 SRL/0/004
SENARATNE	1. Plant nutrition 2. Soil science	IAEA AUL/THA	Jul.84 - Oct.85 Oct.90	15/03 0/12	SRL/5/015 RAS/0/014

AGENCY TRAINING COURSES WITH SRI LANKAN PARTICIPATION

1983 - 1993  
(As of 15 October 1993)

Field	Number of participants	Number of courses
General atomic energy development	21	13
Nuclear physics	5	5
Nuclear chemistry	3	3
Nuclear raw materials	4	3
Nuclear engineering and technology	13	13
Nuclear techniques in agriculture	36	29
Nuclear medicine	39	29
Nuclear techniques in biology	13	9
Nuclear techniques in industry & hydrology	84	71
Nuclear safety	15	15
TOTAL	233	190



**MULTIPLE PARTICIPATION IN AGENCY TRAINING COURSES  
BY SRI LANKAN NATIONALS  
1983 - 1993  
(As of 15 October 1993)**

Name	Course No.	Course title	Year	Location
ABEYAKOON	RAS/6/006 (001)	RTC on the brachytherapy of the uterine cancer using manual and remote after-loading techniques	1986	MAL
	RAS/9/006 (002)	RTC on radiation protection	1989	JPN
ADIKARI, S.	INT/4/102 (001)	ITC on interfacing in nuclear experiments	1990	THA
	RAS/8/062 (003)	Regional (RCA) workshop on the use of IBM personal computers for laboratory automation and data acquisition	1987	IND
ALAHAKOON	INT/6/031 (001)	ITC and study tour on nuclear medicine	1985	USSR
	RAS/6/016 (003)	RTC on the use of computers in nuclear medicine	1992	AUL
AMARAWANSA	RAS/8/008 (052)	Regional UNDP/IAEA/RCA train-the-trainers course on ultrasonic testing	1986	CPR
	RAS/8/061 (008)	RTC on non-destructive testing of ultrasonics (level II)	1987	ROK
	RAS/8/062 (031)	RWS on non-destructive examination of non-metallic materials	1991	THA
ANIL RANJITH	RAS/9/006 (003)	RTC on development of infrastructures for ensuring radiation protection	1990	AUL
	RAS/9/006 (011)	RWS on applications of the ICRP's 1990 recommendations for radiation protection	1993	MAL
	RAS/9/011 (001)	RTC on safety and regulation of radiation sources	1991	MAL
ATULUWAGE	RAS/8/008 (049)	Regional first executive management seminar on industrial tracer applications	1986	BGD INS MAL
	RAS/8/061 (019)	Third regional training demonstration on the use of tracer technology in industry	1988	ROK CPR
DAYANANDA	RAS/8/008 (019)	RTC on non-destructive testing in radiographic and ultrasonic testing	1983	JPN
	RAS/8/061 (010)	RTC on non-destructive testing of surface methods (level II)	1987	INS
	RAS/8/062 (026)	RWS on weld defect sizing using NDT	1991	JPN

**MULTIPLE PARTICIPATION IN AGENCY TRAINING COURSES  
BY SRI LANKAN NATIONALS  
1983 - 1993  
(As of 15 October 1993)**

Name	Course No.	Course title	Year	Location
DE MEL	RAS/7/003 (004)	RTC on radiation sterilization of tissue grafts with emphasis on clinical and sterility quality assurance criteria	1992	CPR
	RAS/7/003 (006)	RWS on total quality systems for tissue banking of radiation-sterilized surgical grafts	1993	INS
DE SILVA, S.P.	INT/9/129 (001)	ITC on planning, organization and implementation of radiation protection on a national level	1992	USA
	RAS/6/016 (001)	RTC on use of computers in technetium-99M imaging	1989	AUL
DHARMASIRI	INT/2/007 (001)	ITC on determination of radionuclides in food and environmental samples	1990	GER
	INT/8/023 (001)	ITC on the application of isotopes in hydrology	1983	AUS
FERNANDO, W.W.P.	RAS/8/062 (001)	Regional (RCA) workshop on photon, electron and neutron dosimetry in radiotherapy	1987	ROK
	RAS/9/009 (001)	RTC on national infrastructure for radioactive waste management	1991	INS
GOONESEKERA	RAS/8/061 (011)	RTC on industrial radiation sterilization - quality control and sterility assurance	1987	THA
	RAS/8/061 (014)	RTC on industrial radiation sterilization - quality control and compatibility of materials	1987	IND
HAPUARACHCHI	RAS/8/061 (080)	RTC on non-destructive testing of surface methods (level II)	1990	MAL
	RAS/8/061 (105)	RTC on non-destructive testing of magnetic particle and liquid penetrant (level III)	1991	INS
HERATH	INT/6/030 (001)	ITC on nuclear medical equipment with special attention to the gamma camera	1984	UK
	RAS/6/011 (002)	RTC on external quality assessment schemes for RIA of thyroid hormones	1989	THA
	RAS/6/016 (002)	RTC on the use of computers in technetium-99M imaging	1990	AUL

**MULTIPLE PARTICIPATION IN AGENCY TRAINING COURSES  
BY SRI LANKAN NATIONALS  
1983 - 1993  
(As of 15 October 1993)**

Name	Course No.	Course title	Year	Location
JAYAMANNE	INT/9/077 (001) RAS/6/009 (001)	ITC for radiation protection officers in regulatory bodies RTC on the use of nuclear techniques in health-related environmental research and monitoring	1987 1986	GDR AUL
KASIGE	INT/4/098 (001) RAS/4/012 (002)	Advanced ITC on nuclear electronics RWS on evaluation and testing of commercial MCA cards	1989 1991	USA THA
MATARA ACHCHIGE	RAS/8/008 (039) RAS/8/069 (001)	Regional fourth training demonstration workshop on the use of nucleonic control systems in paper industries RTC on the application of modern isotope and radiation techniques to industry	1985 1993	JPN THA AUL
MENDIS, A.L.S.	RAS/6/007 (001) RAS/6/010 (001)	Regional train-the-trainers course in medical radioimmunoassay Regional train-the-trainers course on data processing in radioimmunoassay	1985 1987	CPR INS
NANAYAKKARA	INT/1/014 (001) INT/9/068 (001) INT/9/083 (001) RAS/6/015 (001) RAS/9/006 (001) RAS/9/006 (004)	RWS on calibration procedures in dosimetry (SSDL) ITC on management and disposal of radioactive wastes ITC on planning, preparedness and response to nuclear accidents or radiological emergencies RTC on radiation dosimetry RTC on development of infrastructures for ensuring radiation protection RWS on intercomparison for personal dosimeters	1987 1986 1987 1989 1988 1990	MAL CAN USA CPR AUL JPN
PULUKKODY	RAS/8/061 (053) RAS/8/061 (107)	RTC on non-destructive testing of radiography (level III) RTC on model (NDT) qualifying examination for radiography (level III)	1989 1991	MAL MAL
SENANAYAKE, S.G.J.N.	RAS/0/015 (011) RAS/5/021 (005)	RTC on advanced mutation breeding of tropical crop plants Regional research co-ordination meeting of the use of isotopes in studies to improve yield and nitrogen fixation of grain legumes in the tropics and sub-tropics of Asia	1992 1992	IND CPR

**MULTIPLE PARTICIPATION IN AGENCY TRAINING COURSES  
BY SRI LANKAN NATIONALS  
1983 - 1993  
(As of 15 October 1993)**

Name	Course No.	Course title	Year	Location
SENARATNE	RAS/5/021 (003)	RWS on rhizobium technology	1991	THA
	RAS/5/021 (005)	Regional research co-ordination meeting of the use of isotopes in studies to improve yield and nitrogen fixation of grain legumes in the tropics and sub-tropics of Asia	1992	CPR
SENEVIRATNA	INT/4/105 (001)	Advanced ITC on nuclear electronics	1991	MEX
	RAS/4/008 (001)	RWS on maintenance of nuclear medical instruments	1990	IND
SUBASINGHE	RAS/5/021 (003)	RWS on rhizobium technology	1991	THA
	RAS/5/021 (004)	Regional research co-ordination meeting on the use of isotopes in studies to improve yield and nitrogen fixation of grain legumes in the tropics and sub-tropics of Asia	1991	THA
	RAS/5/021 (007)	Regional research co-ordination meeting on the use of isotopes in studies to improve yield and nitrogen fixation of grain legumes in the tropics and sub-tropics of Asia	1993	AUL
TISSERA	RAS/0/015 (008)	RTC on safety aspects in industrial applications of radiation sources	1991	IND
	RAS/8/008 (045)	RTC on industrial tracer applications	1986	IND
	RAS/8/061 (051)	RTC on non-destructive testing of eddy currents (level II)	1990	PAK
	RAS/8/062 (017)	RWS on non-destructive examination on non-metallic materials	1989	JPN
WATAWANA	INT/6/031 (001)	ITC and study tour on nuclear medicine	1985	USSR
	RAS/6/011 (004)	RTC on diagnosis of viral hepatitis infection by radioimmunoassay	1991	CPR
WEERASEKERA, M.B.	RAS/6/006 (001)	RTC on the brachytherapy of the uterine cancer using manual and remote after-loading techniques	1986	MAL
	RAS/6/017 (001)	RTC on radiotherapy for medical physicists	1989	PAK
	RAS/9/006 (009)	RWS on computer-assisted planning and dosimetry for carcinoma of the cervix	1992	IND

**MULTIPLE PARTICIPATION IN AGENCY TRAINING COURSES  
BY SRI LANKAN NATIONALS  
1983 - 1993  
(As of 15 October 1993)**

Name	Course No.	Course title	Year	Location
WEERAWARNAKULA	RAS/3/006 (001)	RTC on exploration drilling and ore reserve estimation in uranium exploration	1991	IND
	RAS/8/062 (006)	RTC on neutron activation analysis for mineral resource prospecting and minerals characterization	1989	IND
WICKRAMANAYAKE	INT/1/036 (001)	Advanced ITC on elemental analysis by nuclear techniques	1985	CPR
	RAS/8/008 (029)	RTC on non-destructive testing	1984	SIN
	RAS/8/061 (106)	RTC on tracer application in industry	1991	INS
WIMALARATNA	RAS/6/011 (001)	RTC on the use and preparation of bulk reagents for radioimmunoassay of thyroid-related hormones	1986	THA
	RAS/6/012 (001)	RTC on radioimmunoassay and its clinical applications (RCA)	1986	IND
	RAS/8/008 (020)	Regional training-demonstration on radiation sterilization of medical products	1983	IND
	RAS/8/062 (029)	RTC on safety operating industrial radiation processing facilities	1991	ROK
	RAS/9/006 (005)	RWS on development of training techniques and methods of instructions in radiation protection	1992	JPN AUL

**PROJECTS COMPLETED IN SRI LANKA SINCE 1983**  
(As of 15 October 1993)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS				COMPLETED
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING	
			M/M	\$	\$	\$	M/M	\$	\$	\$	
1983	SRL/0/002	Nuclear science training	14/00	95 300	290 636	-	14/07	100 380	291 113	-	1992
1980	SRL/1/003	Neutron physics laboratory	6/00	25 200	31 820	-	6/07	28 487	31 820	-	1984
1983	SRL/1/004	Nuclear techniques in industry (X-ray fluorescence)	1/00	7 700	60 407	-	1/00	7 700	60 407	-	1991
1984	SRL/1/005	Radiation dosimetry	3/15	27 210	222 620	-	3/15	41 140	222 540	-	1993
1986	SRL/2/004	Radiopharmaceuticals	1/00	6 900	-	-	0/18	4 208	-	-	1986
1982	SRL/3/004	Nuclear raw materials	2/00	10 800	34 472	-	1/29	16 046	34 861	-	1992
1985	SRL/3/005	Prospection and extraction of radioactive materials	0/06	1 410	-	-	0/06	1 382	-	-	1987
1980	SRL/4/006	Nuclear electronics	3/00	14 079	41 274	-	2/14	14 079	41 274	-	1983
1981	SRL/4/007	Non-destructive testing	6/00	28 800	47 000	-	6/01	24 037	46 173	-	1984
1982	SRL/4/008	Nuclear technology	6/00	32 400	45 000	-	6/00	45 029	43 486	-	1984

**PROJECTS COMPLETED IN SRI LANKA SINCE 1983**  
(As of 15 October 1993)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS				COMPLETED
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING	
			M/M	\$	\$	\$	M/M	\$	\$	\$	
1983	SRL/4/009	Nuclear electronics training	4/00	24 800	15 000	-	4/00	21 059	15 713	-	1984
1979	SRL/5/013	Radioisotopes in animal science	6/00	25 200	83 070	-	3/13	21 604	83 883	-	1984
1980	SRL/5/016	Crop, water and soil management	5/15	27 150	157 242	11 700	5/15	30 920	157 231	11 699	1990
1982	SRL/5/017	Radiation entomology	2/00	10 800	14 000	-	1/23	7 414	10 223	-	1986
1982	SRL/5/018	Radioisotopes in animal science	0/22	5 060	70 717	-	0/22	4 774	70 716	-	1988
1983	SRL/5/019	Radioisotopes in plant nutrition and physiology	4/21	30 420	71 400	-	4/26	27 336	71 093	-	1989
1985	SRL/5/020	Mutation breeding	2/03	14 520	25 072	23 350	2/03	9 479	25 071	23 347	1991
1986	SRL/5/021	Control of malaria mosquitoes	1/00	6 900	-	-	0/28	5 357	-	-	1986
1988	SRL/5/022	Mutation plant breeding	2/00	20 250	26 400	-	1/26	20 827	27 188	-	1993
1988	SRL/5/023	Nitrogen fixation in mungbean	-	-	35 437	-	-	-	35 175	-	1991

**PROJECTS COMPLETED IN SRI LANKA SINCE 1983**  
(As of 15 October 1993)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS				COMPLETED
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING	
			M/M	\$	\$	\$	M/M	\$	\$	\$	
1979	SRL/6/009	Nuclear medicine	7/00	34 000	47 400	-	6/24	14 252	48 136	-	1986
1983	SRL/6/011	Radioisotopes in medical diagnosis	2/13	16 710	21 000	-	2/05	9 966	20 926	-	1991
1984	SRL/6/012	Radioimmunoassay in blood sample analysis	0/29	6 380	44 949	-	0/29	7 000	44 901	-	1989
1984	SRL/6/013	Organ imaging	4/00	26 400	51 400	-	4/00	3 254	51 285	-	1986
1986	SRL/6/015	Radioimmunoassay in medical diagnosis	1/27	13 395	42 525	8 086	1/27	9 539	42 049	9 022	1991
1985	SRL/7/002	Radiation sterilization for tissue bank	1/00	6 900	-	-	1/09	10 891	-	-	1986
1978	SRL/8/005	Radioactive tracer techniques for studies in coastal sedimentology	4/21	27 481	130 190	23 551	4/21	27 481	130 190	23 551	1985
1981	SRL/8/007	Radioisotopes in hydrology	4/00	20 400	26 000	-	4/02	25 744	25 963	-	1984
1982	SRL/8/008	Non-destructive testing	3/28	21 988	31 027	-	3/28	18 089	31 026	-	1988
1983	SRL/8/009	Isotopes in hydrology	3/00	20 250	103 050	-	3/00	26 044	103 049	-	1992



PROJECTS COMPLETED IN SRI LANKA SINCE 1983  
(As of 15 October 1993)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS				COMPLETED
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING	
			M/M	\$	\$	\$	M/M	\$	\$	\$	
1984	SRL/8/011	Non-destructive testing in industry	7/20	53 600	111 100	-	7/21	47 699	111 116	-	1991
1984	SRL/8/012	X-ray fluorescence analysis	-	-	45 000	-	-	-	41 009	-	1986
1984	SRL/8/013	Sterilization of medical supplies	1/00	6 600	-	-	1/01	5 373	-	-	1985
	TOTAL	33 projects	112/10	669 003	1 925 208	66 687	109/00	636 590	1 917 617	67 619	

OPERATIONAL PROJECTS IN SRI LANKA  
(As of 15 October 1993)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS			
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING
			M/M	\$	\$	\$	M/M	\$	\$	\$
1991	SRL/0/003	Nuclear information centre	2/00	18 150	20 000	-	0/18	8 607	13 508	-
1993	SRL/0/004	Manpower development	-	-	-	153 750	-	-	-	22 496
1993	SRL/1/006	Training in nuclear techniques	2/00	21 150	10 000	13 800	-	-	-	-
1988	SRL/4/010	Nuclear engineering (Moratuwa)	1/20	16 800	17 500	-	0/20	8 891	17 038	-
1989	SRL/4/011	Nuclear instrumentation	2/14	20 330	19 000	-	2/17	15 123	19 261	-
1993	SRL/4/012	Nuclear instrument maintenance and repair	4/00	42 300	35 000	18 000	1/02	10 601	19 712	-
1993	SRL/4/013	X-ray fluorescence analysis in industry	2/00	21 600	64 200	36 900	-	-	36 838	7 700
1989	SRL/5/024	Nitrogen-15 fertilizer studies	2/25	24 900	82 316	-	2/11	19 791	78 570	-
1989	SRL/5/025	Soil moisture and crop productivity studies	1/07	10 585	48 625	14 660	1/09	13 509	43 175	14 063
1991	SRL/5/026	Increased coconut production through improved water use	1/21	15 360	43 200	16 100	1/06	15 247	41 612	14 870

**OPERATIONAL PROJECTS IN SRI LANKA**  
(As of 15 October 1993)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS			
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING
			M/M	\$	\$	\$	M/M	\$	\$	\$
1991	SRL/5/027	Nuclear techniques in animal science	5/08	50 960	100 850	49 000	3/05	33 800	81 237	30 305
1993	SRL/5/028	Biological nitrogen fixation in trees	2/00	21 150	31 200	27 900	0/14	5 709	19 169	-
1993	SRL/5/029	Isotope techniques for sustainable increased tea production	4/00	42 300	66 905	44 100	0/16	5 452	50 850	1 998
1983	SRL/6/010	Nuclear medicine	3/23	32 083	239 640	-	3/10	19 740	239 356	-
1984	SRL/6/014	Radiation therapy	1/15	12 825	214 875	-	1/15	19 031	214 825	-
1987	SRL/6/016	Radioisotope imaging in medical diagnosis	3/18	29 990	264 720	8 750	2/13	21 988	266 320	8 337
1988	SRL/6/017	Tissue typing and processing for tissue banking	1/00	8 850	29 458	3 941	0/22	7 620	28 639	3 941
1991	SRL/6/018	Application of nuclear techniques in malaria control	1/00	8 850	77 135	37 800	1/00	7 977	78 268	16 482
1993	SRL/6/019	Nuclear medicine (phase II)	2/00	21 150	33 500	30 600	0/28	6 657	33 623	15 685
1983	SRL/8/010	Radiation processing/vulcanization of natural rubber latex	0/18	8 400	97 000	-	0/18	7 956	91 434	-

**OPERATIONAL PROJECTS IN SRI LANKA**  
(As of 15 October 1993)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS			
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING
			M/M	\$	\$	\$	M/M	\$	\$	\$
1987	SRL/8/014	Tracer techniques in industry	1/09	16 370	37 207	-	1/09	16 370	37 207	-
1993	SRL/8/015	Tracer and NDT techniques in the petroleum industry	2/00	21 150	45 000	18 450	-	-	18 633	-
1991	SRL/9/006	Strengthening of radiation protection	3/24	36 740	84 315	-	2/17	26 504	76 678	-
	TOTAL	23 projects	51/22	501 993	1 661 646	473 751	28/10	270 573	1 505 953	135 877

**COUNTERPART INSTITUTIONS IN SRI LANKA (I)**  
(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
<u>GENERAL ATOMIC ENERGY DEVELOPMENT</u>		
SRL/0/002	University of Colombo, Radioisotope Centre, Colombo	DHARMAWARDENA
SRL/0/003	Natural Resources, Energy and Science Authority, Colombo	PRELIS KUMARASINGHE
SRL/0/004	Atomic Energy Authority, Colombo	KARUNARATNA
<u>NUCLEAR PHYSICS AND CHEMISTRY</u>		
SRL/1/003	University of Peradeniya, Department of Physics, Peradeniya	DISSANAIKE
SRL/1/004	Atomic Energy Authority, Colombo	WADUGE
SRL/1/005	Atomic Energy Authority, Colombo	NANAYAKKARA
SRL/1/006	University of Peradeniya, Department of Physics, Peradeniya	AMARAKOON
SRL/2/004	Atomic Energy Authority, Colombo	WIMALARATNA
<u>NUCLEAR RAW MATERIALS</u>		
SRL/3/004	Geological Survey Department, Colombo	FERNANDO, D.M.
SRL/3/005	University of Moratuwa, Department of Mining and Mineral Engineering, Moratuwa	FERNANDO, W.L.W.

**COUNTERPART INSTITUTIONS IN SRI LANKA (I)**

(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
<u>NUCLEAR ENGINEERING AND TECHNOLOGY</u>		
SRL/4/006	University of Sri Lanka, Radioisotope Centre, Colombo	AMARASEKARA
SRL/4/007	Bureau of Ceylon Standards, Colombo	PREMATHILAKA
SRL/4/008	University of Moratuwa, Department of Electrical Engineering, Moratuwa	KARUNARATNE
SRL/4/009	Atomic Energy Authority, Colombo	JAYASINGHE
SRL/4/010	University of Moratuwa, Department of Electrical Engineering, Moratuwa	DIAS
SRL/4/011	Atomic Energy Authority, Colombo	KASIGE
SRL/4/012	Atomic Energy Authority, Colombo	KASIGE
SRL/4/013	Ceylon Steel Corporation, Oruwela	WIJESINGHA
<u>AGRICULTURE</u>		
SRL/5/013	1. University of Sri Lanka, Faculty of Agriculture, School of Veterinary Sciences, Peradeniya 2. University of Peradeniya, Veterinary Research Institute, Peradeniya 3. Atomic Energy Authority, Colombo	SOMASIRI - -
SRL/5/016	Atomic Energy Authority, Colombo	MUNASIRI

**COUNTERPART INSTITUTIONS IN SRI LANKA (I)**  
(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
<u>AGRICULTURE</u> (cont'd)		
SRL/5/017	Coconut Research Institute, Crop Protection Division, Lunuwila	KANAGARATNAM
SRL/5/018	University of Peradeniya, Faculty of Veterinary Medicine and Animal Science, Peradeniya	FERNANDO, S.T.
SRL/5/019	Rubber Research Institute, Agalawatta	SAMARAWEERA
SRL/5/020	Central Agricultural Research Institute, Peradeniya	JAYAWARDENE
SRL/5/021	University of Sri Jayawardhanapura, Department of Zoology, Nugegoda	RATNAYAKE
SRL/5/022	Department of Export Agriculture, Research Station, Matale	GURUSINGHE
SRL/5/023	University of Ruhuna, Faculty of Agriculture, Department of Agronomy, Mapalana, Kamburupitiya	SENARATNE
SRL/5/024	Atomic Energy Authority, Colombo	SENEVIRATNE
SRL/5/025	Department of Export Agriculture, Research Station, Matale	HEWANA ARACHCHIGE
SRL/5/026	Coconut Research Institute, Lunuwila	JAYASEKERA
SRL/5/027	1. University of Peradeniya, Faculty of Veterinary Medicine and Animal Science, Peradeniya 2. University of Ruhuna, Faculty of Agriculture, Department of Animal Science, Mapalana, Kamburupitiya	ABEYGUNAWARDENA  FERNANDO, S.T.

**COUNTERPART INSTITUTIONS IN SRI LANKA (I)**

(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
<u>AGRICULTURE (cont'd)</u>		
SRL/5/028	Department of Export Agriculture, Research Station, Matale	GUNARATNE
SRL/5/029	Tea Research Institute, Talawakalle	KRISHNAPILLAI
<u>NUCLEAR MEDICINE</u>		
SRL/6/009	1. Atomic Energy Authority, Colombo 2. Ministry of Women's Affairs and Teaching Hospitals, Colombo	TALWATTE -
SRL/6/010	University of Peradeniya, Faculty of Medicine, Nuclear Medicine Unit, Peradeniya	HERATH
SRL/6/011	University of Ruhuna, Faculty of Medicine, Galle	MENDIS
SRL/6/012	Central Blood Bank, National Blood Transfusion Service, General Hospital, Colombo	DE ZOYSA
SRL/6/013	1. Atomic Energy Authority, Colombo 2. General Hospital, Department of Radiology, Nuclear Imaging Unit, Colombo	WIMALARATNA TALWATTE
SRL/6/014	Government Cancer Institute, Maharagama	JAYATILAKE
SRL/6/015	General Hospital, Department of Pathology, Colombo	DE SILVA, C.K.



**COUNTERPART INSTITUTIONS IN SRI LANKA (I)**

(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
<u>NUCLEAR MEDICINE (cont'd)</u>		
SRL/6/016	General Hospital, Department of Radiology, Nuclear Imaging Unit, Colombo	DE SILVA, S.P.
SRL/6/017	Central Blood Bank, National Blood Transfusion Service, General Hospital, Colombo	DE ZOYSA
SRL/6/018	Institute of Fundamental Studies, Division of Life Sciences, Malaria Laboratory, Colombo	RAMASAMY
SRL/6/019	University of Peradeniya, Faculty of Medicine, Nuclear Medicine Unit, Peradeniya	WATAWANA
<u>NUCLEAR TECHNIQUES IN BIOLOGY</u>		
SRL/7/002	Atomic Energy Authority, Colombo	DHARMAWARDENA
<u>NUCLEAR TECHNIQUES IN INDUSTRY &amp; HYDROLOGY</u>		
SRL/8/005	1. Atomic Energy Authority, Colombo	DHARMAWARDENA
	2. Coastal Conservation Department, Colombo	AMARASINGHE
	3. Geological Survey Department, Colombo	-
SRL/8/007	1. Atomic Energy Authority, Colombo	DHARMAWARDENA
	2. University of Colombo, Department of Irrigation, Colombo	-
SRL/8/008	Ceylon Petroleum Corporation, Inspection Department, Kelaniya	DAYANANDA

**COUNTERPART INSTITUTIONS IN SRI LANKA (I)**

(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
<u>NUCLEAR TECHNIQUES IN INDUSTRY &amp; HYDROLOGY (cont'd)</u>		
SRL/8/009	Atomic Energy Authority, Colombo	ATULUWAGE
SRL/8/010	Rubber Research Institute, Ratmalana	KARUNARATNE
SRL/8/011	Atomic Energy Authority, Colombo	WICKRAMANAYAKE
SRL/8/012	Ceylon Steel Corporation, Oruwela	WIJEWARDENE
SRL/8/013	Atomic Energy Authority, Colombo	WIMALARATNA
SRL/8/014	Atomic Energy Authority, Colombo	ATULUWAGE
SRL/8/015	Ceylon Petroleum Corporation, Inspection Department, Kelaniya	DAYANANDA
<u>SAFETY IN NUCLEAR ENERGY</u>		
SRL/9/006	Atomic Energy Authority, Colombo	NANAYAKKARA ATULUWAGE

**COUNTERPART INSTITUTIONS IN SRI LANKA (II)**

(By Institute)

**COLOMBO**

**Atomic Energy Authority**

**Colombo**

SRL/0/004	Manpower Development
SRL/1/004	Nuclear Techniques in Industry (X-Ray Fluorescence)
SRL/1/005	Radiation Dosimetry
SRL/2/004	Radiopharmaceuticals
SRL/4/009	Nuclear Electronics Training
SRL/4/011	Nuclear Instrumentation
SRL/4/012	Nuclear Instrument Maintenance and Repair
SRL/5/013	Radioisotopes in Animal Science
SRL/5/016	Crop, Water and Soil Management
SRL/5/024	Nitrogen-15 Fertilizer Studies
SRL/6/009	Nuclear Medicine
SRL/6/013	Organ Imaging
SRL/7/002	Radiation Sterilization for Tissue Bank
SRL/8/005	Radioactive Tracer Techniques for Studies in Coastal Sedimentology
SRL/8/009	Isotopes in Hydrology
SRL/8/011	Non-Destructive Testing in Industry
SRL/8/013	Sterilization of Medical Supplies
SRL/8/014	Tracer Techniques in Industry
SRL/9/006	Strengthening of Radiation Protection

**Natural Resources, Energy and Science Authority**

**Colombo**

SRL/0/003	Nuclear Information Centre
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**Geological Survey Department**

**Colombo**

SRL/3/004	Nuclear Raw Materials
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**Bureau of Ceylon Standards**

**Colombo**

SRL/4/007	Non-Destructive Testing
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**COUNTERPART INSTITUTIONS IN SRI LANKA (II)**  
(By Institute)

**COLOMBO** (cont'd)

**Ministry of Women's Affairs and Teaching Hospitals**  
**Colombo**

SRL/6/009 Nuclear Medicine

**University of Sri Lanka**  
**Radioisotope Centre**  
**Colombo**

SRL/4/006 Nuclear Electronics

**University of Colombo**  
**Radioisotope Centre**  
**Colombo**

SRL/0/002 Nuclear Science Training

**University of Colombo**  
**Department of Irrigation**  
**Colombo**

SRL/8/007 Radioisotopes in Hydrology

**Central Blood Bank**  
**National Blood Transfusion Service**  
**General Hospital**  
**Colombo**

SRL/6/012 Radioimmunoassay in Blood Sample Analysis  
SRL/6/017 Tissue Typing and Processing for Tissue Banking

**General Hospital**  
**Department of Radiology**  
**Nuclear Imaging Unit**  
**Colombo**

SRL/6/013 Organ Imaging  
SRL/6/016 Radioisotope Imaging in Medical Diagnosis

**COUNTERPART INSTITUTIONS IN SRI LANKA (II)**  
(By Institute)

**COLOMBO** (cont'd)

**General Hospital**  
**Department of Pathology**  
**Colombo**

SRL/6/015      Radioimmunoassay in Medical Diagnosis

**Institute of Fundamental Studies**  
**Division of Life Sciences**  
**Malaria Laboratory**  
**Colombo**

SRL/6/018      Application of Nuclear Techniques in Malaria Control

**Coastal Conservation Department**  
**Colombo**

SRL/8/005      Radioactive Tracer Techniques for Studies in Coastal Sedimentology

**Geological Survey Department**  
**Colombo**

SRL/8/005      Radioactive Tracer Techniques for Studies in Coastal Sedimentology

**PERADENIYA**

**University of Peradeniya**  
**Department of Physics**  
**Peradeniya**

SRL/1/003      Neutron Physics Laboratory  
SRL/1/006      Training in Nuclear Techniques

**University of Peradeniya**  
**Veterinary Research Institute**  
**Peradeniya**

SRL/5/013      Radioisotopes in Animal Science

**COUNTERPART INSTITUTIONS IN SRI LANKA (II)**  
(By Institute)

**PERADENIYA** (cont'd)

**University of Peradeniya**  
**Faculty of Veterinary Medicine and Animal Science**  
**Peradeniya**

SRL/5/018      Radioisotopes in Animal Science  
SRL/5/027      Nuclear Techniques in Animal Science

**University of Peradeniya**  
**Faculty of Medicine**  
**Nuclear Medicine Unit**  
**Peradeniya**

SRL/6/010      Nuclear Medicine  
SRL/6/019      Nuclear Medicine (Phase II)

**University of Sri Lanka**  
**Faculty of Agriculture**  
**School of Veterinary Sciences**  
**Peradeniya**

SRL/5/013      Radioisotopes in Animal Science

**Central Agricultural Research Institute**  
**Peradeniya**

SRL/5/020      Mutation Breeding

**MORATUWA**

**University of Moratuwa**  
**Department of Mining and Mineral Engineering**  
**Moratuwa**

SRL/3/005      Prospection and Extraction of Radioactive Materials

**COUNTERPART INSTITUTIONS IN SRI LANKA (II)**  
(By Institute)

**MORATUWA** (cont'd)

**University of Moratuwa**  
**Department of Electrical Engineering**  
**Moratuwa**

SRL/4/008	Nuclear Technology
SRL/4/010	Nuclear Engineering (Moratuwa)

**ORUWELA**

**Ceylon Steel Corporation**  
**Oruwela**

SRL/4/013	X-Ray Fluorescence Analysis in Industry
SRL/8/012	X-Ray Fluorescence Analysis

**LUNUWILA**

**Coconut Research Institute**  
**Lunuwila**

SRL/5/026	Increased Coconut Production Through Improved Water Use
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**Coconut Research Institute**  
**Crop Protection Division**  
**Lunuwila**

SRL/5/017	Radiation Entomology
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**AGALAWATTA**

**Rubber Research Institute**  
**Agalawatta**

SRL/5/019	Radioisotopes in Plant Nutrition and Physiology
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**COUNTERPART INSTITUTIONS IN SRI LANKA (II)**  
(By Institute)

**NUGEGODA**

**University of Sri Jayawardhanapura**  
**Department of Zoology**  
**Nugegoda**

SRL/5/021      Control of Malaria Mosquitoes

**MATALE**

**Department of Export Agriculture**  
**Research Station**  
**Matale**

SRL/5/022      Mutation Plant Breeding  
SRL/5/025      Soil Moisture and Crop Productivity Studies  
SRL/5/028      Biological Nitrogen Fixation in Trees

**MAPALANA, KAMBURUPITIYA**

**University of Ruhuna**  
**Faculty of Agriculture**  
**Department of Agronomy**  
**Mapalana, Kamburupitiya**

SRL/5/023      Nitrogen Fixation in Mungbean

**University of Ruhuna**  
**Faculty of Agriculture**  
**Department of Animal Science**  
**Mapalana, Kamburupitiya**

SRL/5/027      Nuclear Techniques in Animal Science



**COUNTERPART INSTITUTIONS IN SRI LANKA (II)**  
(By Institute)

**TALAWAKALLE**

**Tea Research Institute  
Talawakalle**

SRL/5/029 Isotope Techniques for Sustainable Increased Tea Production

**GALLE**

**University of Ruhuna  
Faculty of Medicine  
Galle**

SRL/6/011 Radioisotopes in Medical Diagnosis

**MAHARAGAMA**

**Government Cancer Institute  
Maharagama**

SRL/6/014 Radiation Therapy

**RATMALANA**

**Rubber Research Institute  
Ratmalana**

SRL/8/010 Radiation Processing/Vulcanization of Natural Rubber Latex

**COUNTERPART INSTITUTIONS IN SRI LANKA (II)**  
(By Institute)

**KELANIYA**

**Ceylon Petroleum Corporation**  
**Inspection Department**  
**Kelaniya**

SRL/8/008	Non-Destructive Testing
SRL/8/015	Tracer and NDT Techniques in the Petroleum Industry

**THE AGENCY'S TECHNICAL CO-OPERATION PROGRAMME WITH  
SRI LANKA  
SINCE 1983**

**LONG-TERM EXPERT ASSIGNMENTS**

**NONE**

**RESEARCH CONTRACTS/AGREEMENTS IN SRI LANKA SINCE 1983 <sup>1</sup>**  
**(As of 15 October 1993)**

Field of activity	No. of contracts/ agreements	Amount allocated \$
Nuclear engineering and technology	2	19 100
Nuclear techniques in agriculture	17	219 644
Nuclear medicine	9	79 900
Nuclear techniques in biology	1	4 500
TOTAL	29	323 144

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<sup>1</sup>/ New awards since 1983

**SCIENTISTS FROM SRI LANKA SERVING AS AGENCY  
TECHNICAL CO-OPERATION EXPERTS OR  
TRAINING COURSE LECTURERS  
1983 - 1993  
(As of 15 October 1993)**

Name	No. of assignments	Project(s)
AMARASINGHE	1	SRL/8/005
ANIL RANJITH	1	RAS/0/015
ATULUWAGE	3	RAS/8/008, RAS/8/061
DE ZOYSA	1	RAS/6/018
DEVENDRA	2	RAS/0/015, RAS/8/026
DHARMAWARDENA	2	RAS/8/008, RAS/8/011
DIAS	2	RAS/8/061, RAS/9/006
FERNANDO	1	RAS/0/013
HERAT	3	RAS/0/012, RAS/0/013
HERATH	2	RAS/6/011
JAYASINGHE	1	RAS/4/008
JAYASURIYA	4	ALG/5/014, ETH/5/009, IVC/5/020
JAYATHILAKE	1	RAS/9/006
KARUNARATNE	14	RAS/8/008, RAS/8/011, RAS/8/061, RAS/8/062
KASIGE	1	INT/4/054
KEERTHISINGHE	1	MAL/5/020
KULATUNGE	1	RAS/0/015
KUMARASINGHE	12	DRK/5/002, ECU/5/009, GHA/5/008, NIR/5/013, SYR/5/009, INT/5/086, INT/5/091, INT/5/096, INT/5/102
KURUWITA	1	RAS/5/019
MUNASIRI	1	RAS/8/011
NADARAJAH	1	RAS/8/062
NANAYAKKARA	1	RAS/9/006
NANTHAKUMAR	1	RAS/0/013

**SCIENTISTS FROM SRI LANKA SERVING AS AGENCY  
TECHNICAL CO-OPERATION EXPERTS OR  
TRAINING COURSE LECTURERS  
1983 - 1993  
(As of 15 October 1993)**

Name	No. of assignments	Project(s)
NETHSINGHE	4	INT/0/053, RAS/8/061
PERERA	3	THA/5/028
PIYASENA	16	BOL/6/011, ELS/0/004, GUA/6/004, PAR/6/004, PER/6/009, PER/6/010, SRL/6/013, THA/4/008
ROSA	1	RAS/4/011
SENEVIRATNE	1	RAS/8/071
SILVA	1	RAS/7/003
SIYAMBALAPITIYA	1	RAS/0/013
SOORIYAARIACHCHI	4	RAS/8/011, RAS/8/062
UDUGAMA	1	RAS/6/011
WATAWANA	1	RAS/6/011
WICKRAMANAYAKE	7	RAS/8/008, RAS/8/011, RAS/8/061, RAS/8/071
WIMALARATNA	1	RAS/9/006
TOTAL	99	

**AGENCY FELLOWSHIPS AND SCIENTIFIC VISITS  
HOSTED BY SRI LANKA  
1983 - 1993  
(As of 15 October 1993)**

Recipient country	No. of fellowships	No. of scientific visits	TOTAL <sup>1</sup>
BANGLADESH	1	-	1
INDONESIA	1	-	1
MALAYSIA	1	-	1
MYANMAR	1	-	1
PHILIPPINES	1	-	1
THAILAND	1	-	1
VIET NAM	1	-	1
TOTAL	7	-	7

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

**REGIONAL AND INTERREGIONAL TRAINING EVENTS  
HOSTED BY SRI LANKA  
1983 - 1993  
(As of 15 October 1993)**

Course No.	Course Title	Partici- pants	Year
RAS/5/025 (001)	RTC on use of immunoassay and related techniques for studies in animal production and disease diagnosis	17	1993
RAS/8/008 (058)	RTC on radiation sterilization of human tissues	14	1986
RAS/8/061 (032)	National executive management seminar on tracer applications in industry	2 <sup>1</sup>	1988
	TOTAL	33	

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<sup>1</sup> Two outside participants (from Bangladesh and Malaysia).