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INTERNATIONAL ATOMIC ENERGY AGENCY

IAEA-CPS-92/19
18 November 1992
Original: ENGLISH

COUNTRY PROGRAMME SUMMARY

THE AGENCY'S TECHNICAL CO-OPERATION

PROGRAMME WITH

COTE D'IVOIRE

1982 - 1992

COUNTRY PROGRAMME SUMMARIES

DEPARTMENT OF TECHNICAL CO-OPERATION

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1982 - 1992

COUNTRY PROGRAMME SUMMARIES

EVALUATION SECTION
DEPARTMENT OF TECHNICAL CO-OPERATION

**THE AGENCY'S TECHNICAL CO-OPERATION
PROGRAMME WITH
COTE D'IVOIRE
1982 - 1992
COUNTRY PROGRAMME SUMMARIES**

This report contains a review of the Agency's technical co-operation activities in Côte d'Ivoire carried out during 1982 - 1992. 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.

COTE D'IVOIRE

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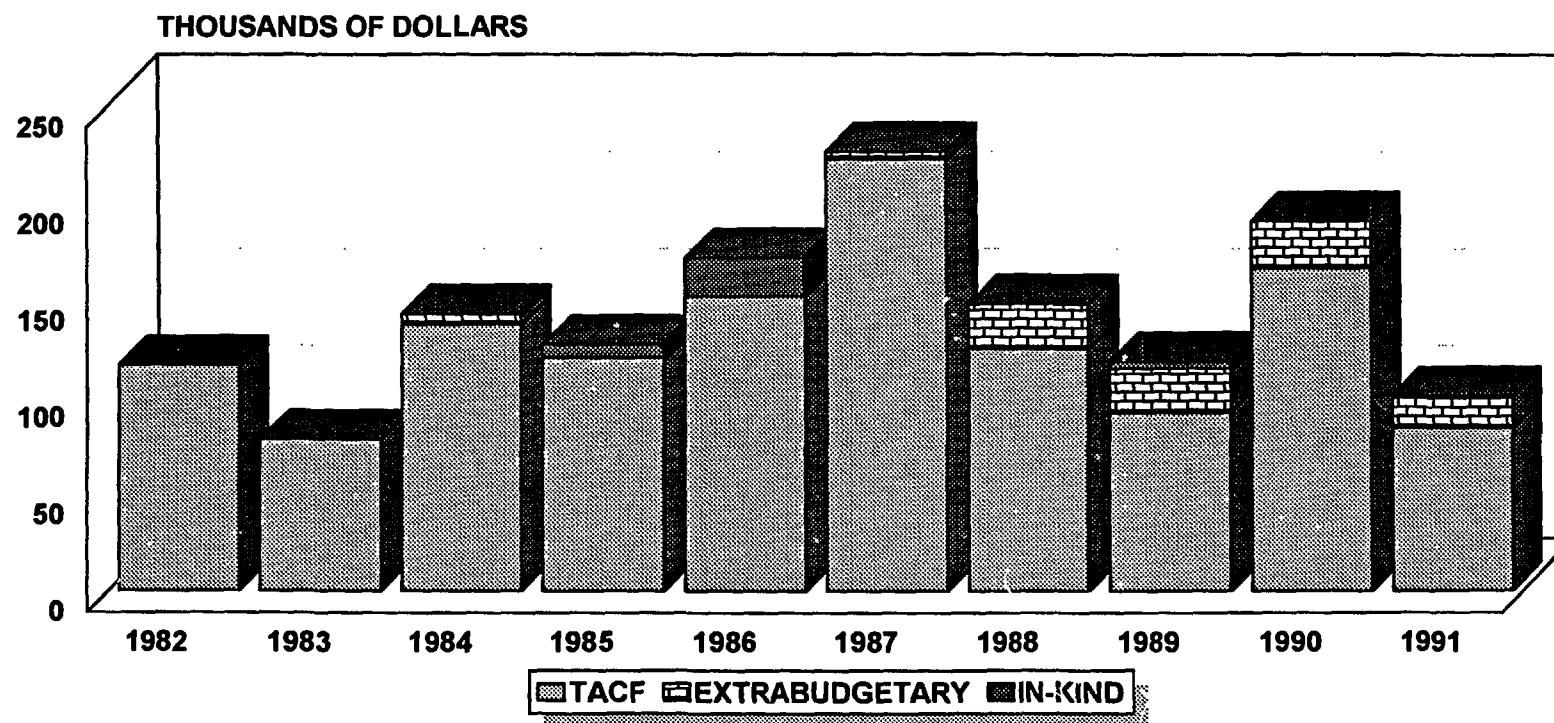
INTRODUCTION

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 over \$1.7 million of Agency support received, Côte d'Ivoire ranks 60th among all recipients of technical assistance in the period 1958 through 1991.

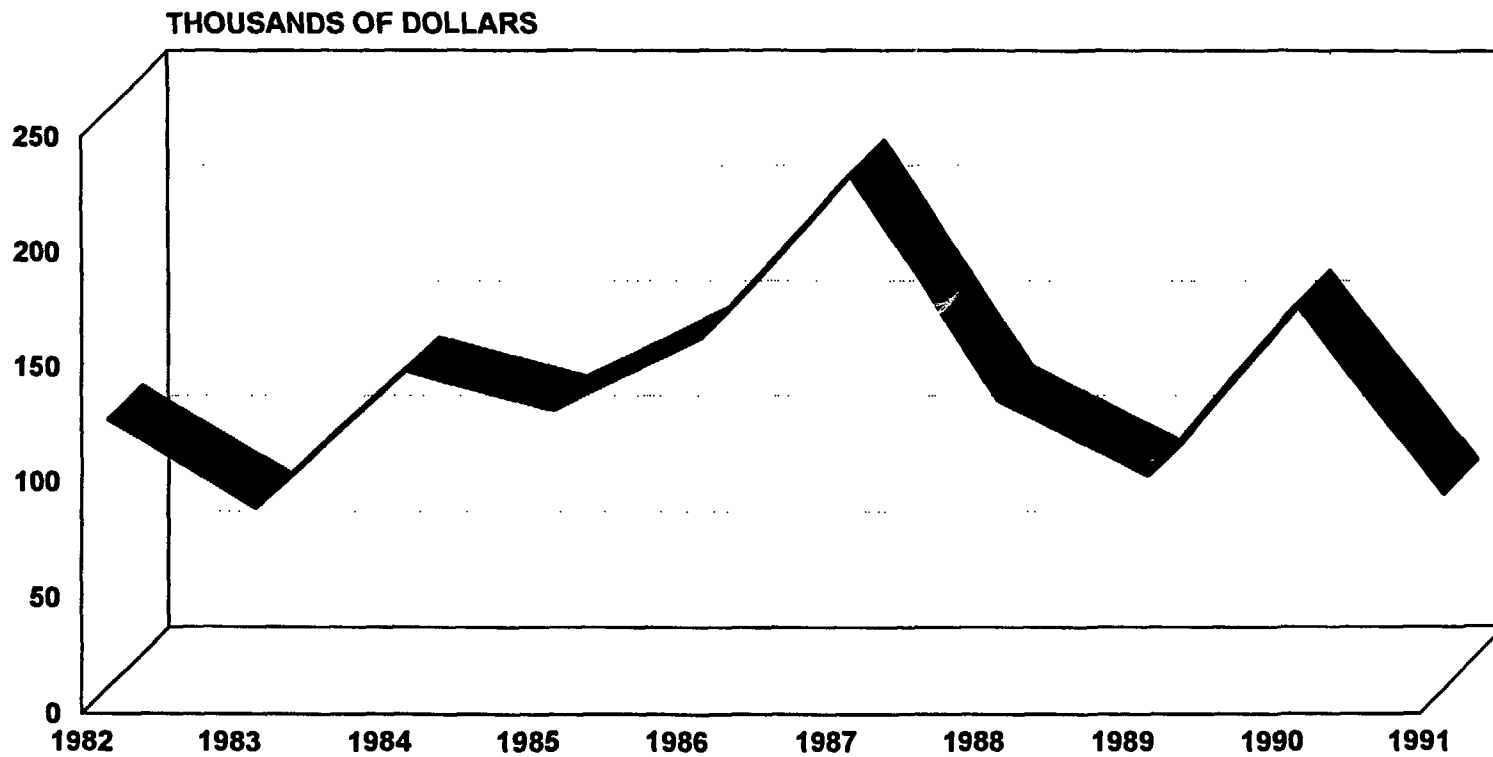
Over half of the assistance received during the past ten years has been in the form of equipment (59%), complemented by expert services (26%) and training (15%). The best part of the resources was provided by the Technical Assistance and Co-operation Fund (91%), the remainder was made available through extrabudgetary contributions (7%) and through assistance in kind (2%).

During the past ten years, project activities -- and disbursements -- have concentrated exclusively on three major areas: agriculture (59%), general atomic energy development (30%) and nuclear safety (11%).

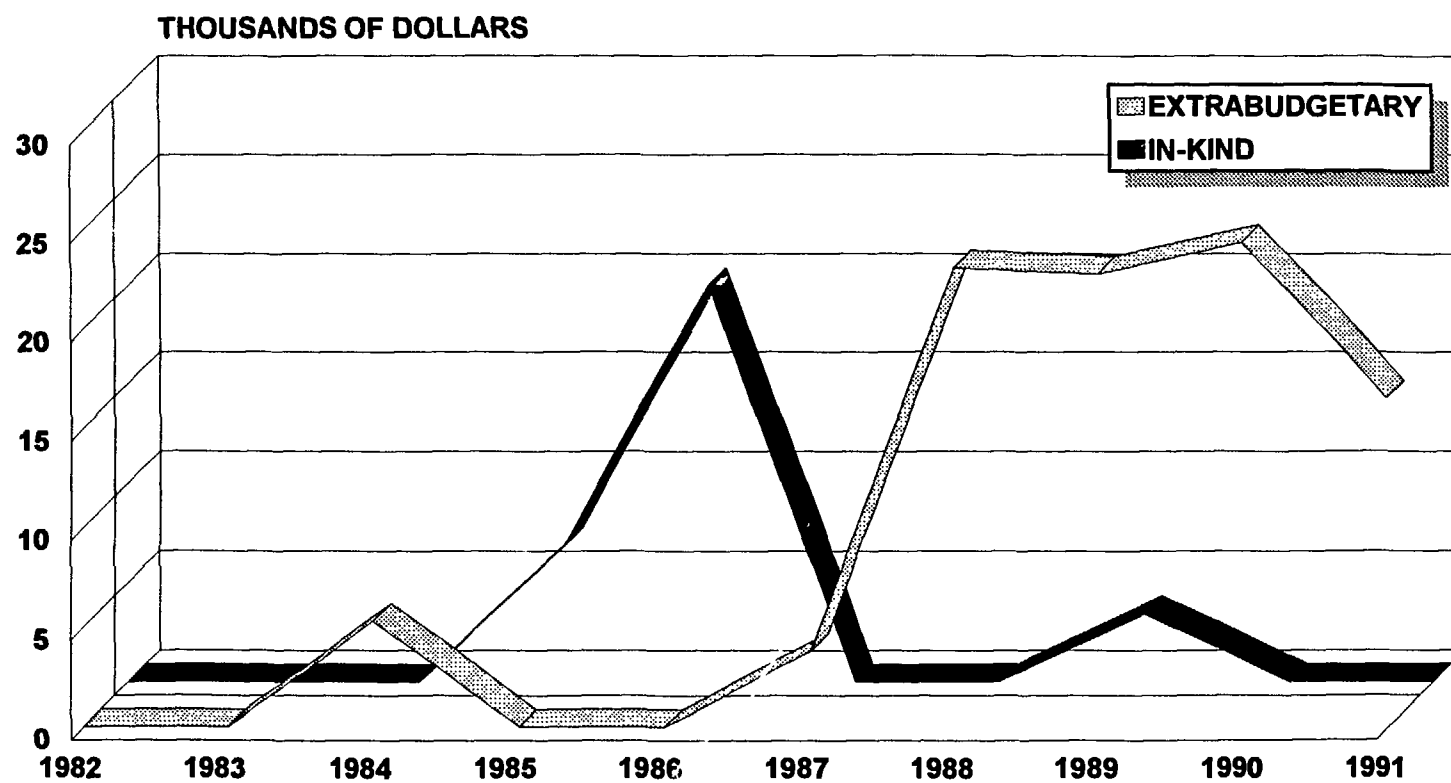
ASSISTANCE PROVIDED BY THE AGENCY TO COTE D'IVOIRE BY SOURCE (1982 - 1991)



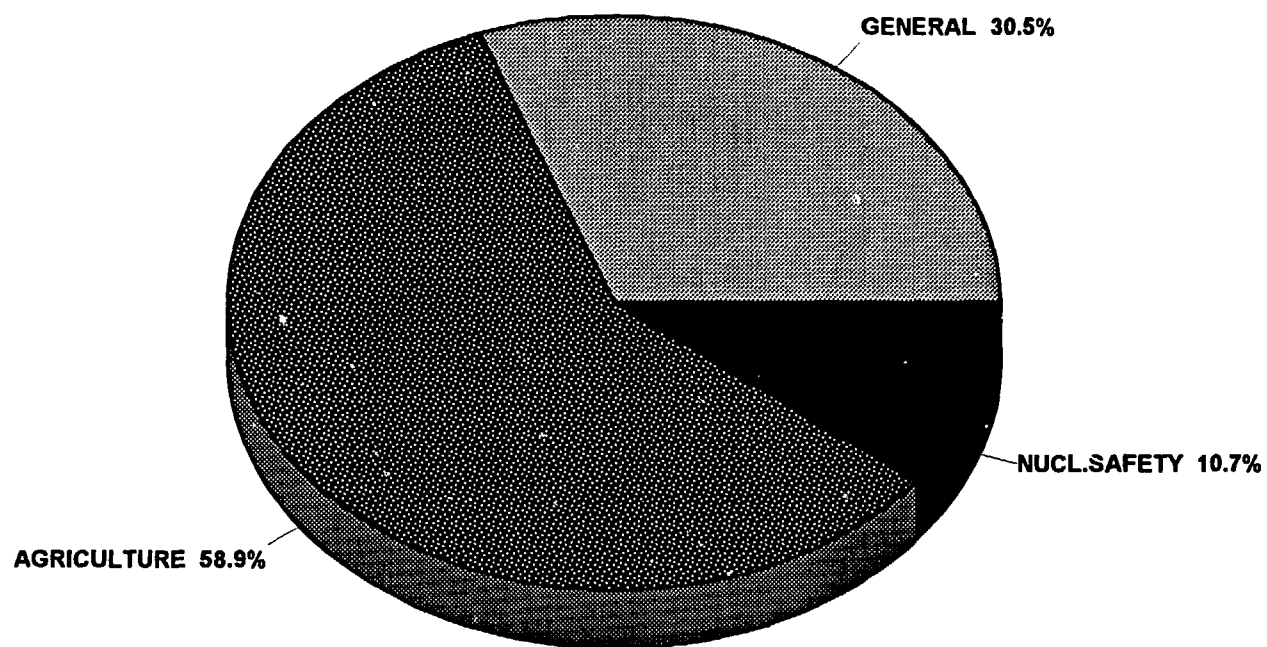
TACF ASSISTANCE PROVIDED TO COTE D'IVOIRE (1982 - 1991)



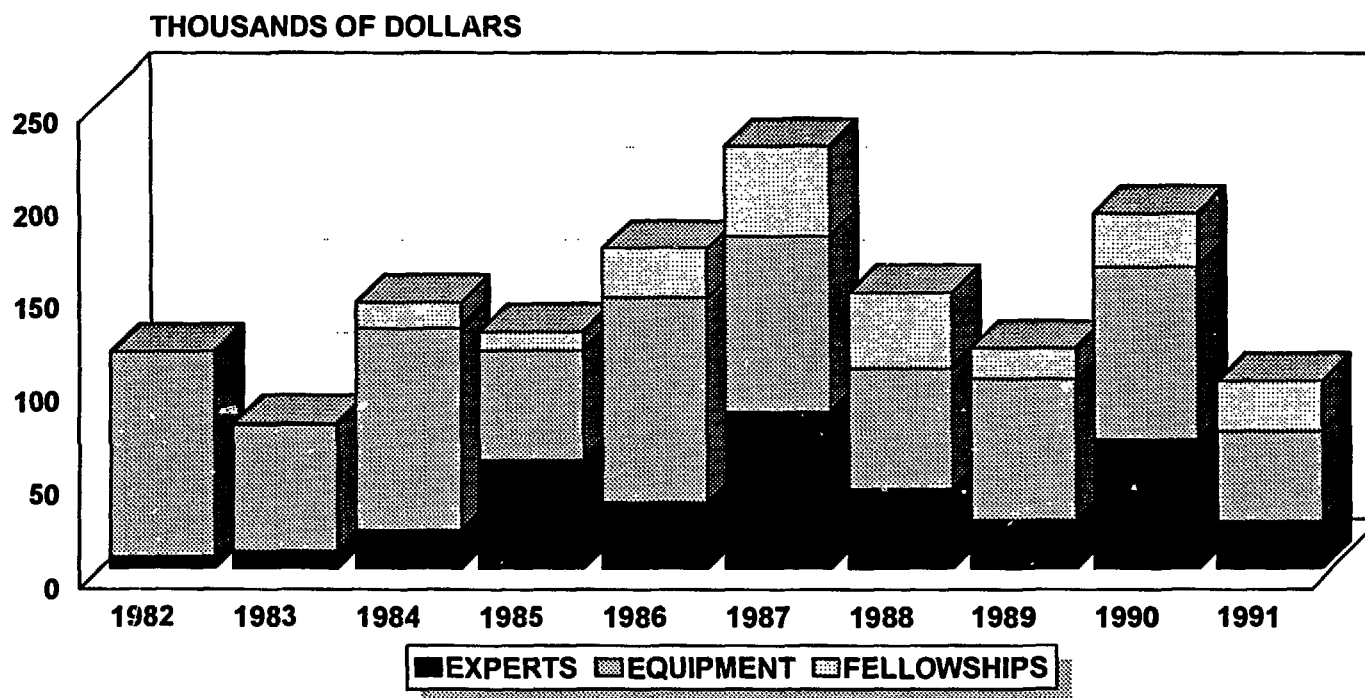
EXTRABUDGETARY AND IN-KIND ASSISTANCE PROVIDED TO COTE D'IVOIRE (1982 - 1991)



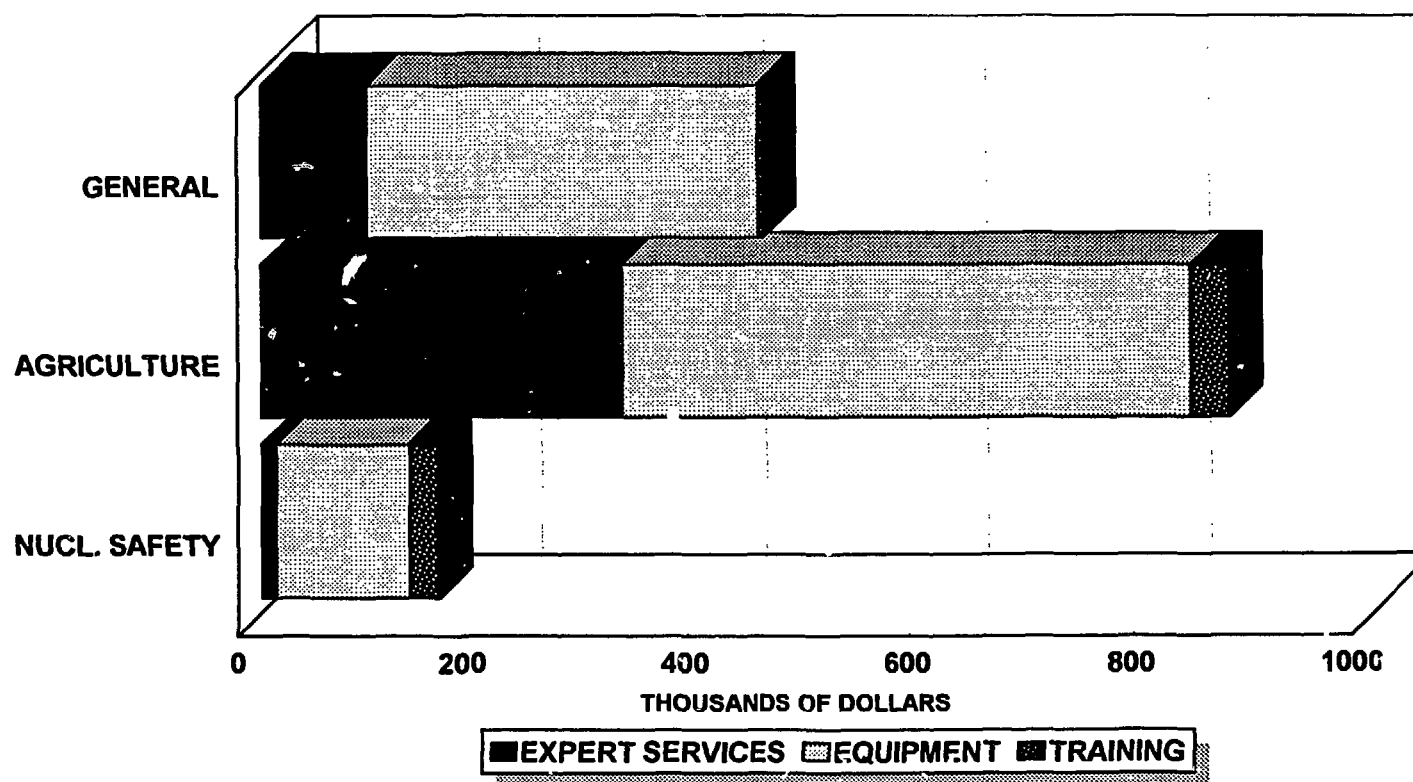
TC PROJECT DISBURSEMENTS IN COTE D'IVOIRE BY SECTOR (1982 - 1991)



ASSISTANCE PROVIDED BY THE AGENCY TO COTE D'IVOIRE BY TYPE (1982 -1991)



EXPERT SERVICES, EQUIPMENT AND PROJECT- FUNDED TRAINING PROVIDED TO COTE D'IVOIRE BY SECTOR (1982 - 1992)



THE AGENCY'S TECHNICAL CO-OPERATION PROGRAMME WITH COTE D'IVOIRE

ALL SOURCES

COTE D'IVOIRE'S RANKING AS A TC RECIPIENT
1958 - 1991
(in \$1000)

| YEAR | RANKING | AMOUNT |
|---------|------------------|--------|
| 1958-81 | 66 th | 337.6 |
| 1982 | 51 st | 115.8 |
| 1983 | 63 rd | 77.6 |
| 1984 | 54 th | 142.1 |
| 1985 | 56 th | 126.5 |
| 1986 | 48 th | 171.3 |
| 1987 | 47 th | 226.0 |
| 1988 | 51 st | 147.3 |
| 1989 | 61 st | 117.6 |
| 1990 | 53 rd | 190.2 |
| 1991 | 67 th | 100.1 |
| 1958-91 | 60 th | 1752.1 |

**"TOP FIVE" RECIPIENTS OF AGENCY ASSISTANCE
1958 - 1991 (in \$1000)**

ALL SOURCES

| Year | I | II | III | IV | V | COTE D'IVOIRE |
|---------|-------------|-------------|-------------|-------------|-------------|---------------------------|
| 1958-81 | BRA 7907.9 | IND 6670.7 | ARG 5200.4 | PAK 5091.2 | CHI 5005.7 | 66 th - 337.6 |
| 1982 | EGY 807.5 | PER 746.4 | CUB 715.7 | COL 667.7 | THA 654.3 | 51 st - 115.8 |
| 1983 | EGY 2077.9 | PER 1116.8 | VIE 948.1 | PHI 778.6 | IRA 722.1 | 63 rd - 77.6 |
| 1984 | EGY 3625.9 | PER 1750.4 | THA 1094.6 | CUB 1028.7 | PHI 881.2 | 54 th - 142.1 |
| 1985 | EGY 2494.8 | PER 1120.7 | THA 1117.4 | BGD 1068.2 | PHI 963.7 | 56 th - 126.5 |
| 1986 | EGY 2317.0 | BRA 1452.9 | THA 1169.4 | POL 1050.3 | BGD 896.4 | 48 th - 171.3 |
| 1987 | HUN 3452.6 | EGY 1775.4 | THA 1742.4 | INS 1312.5 | YUG 1223.2 | 47 th - 226.0 |
| 1988 | EGY 1486.9 | BUL 1361.6 | CPR 1278.5 | THA 1158.7 | BRA 1096.7 | 51 st - 147.3 |
| 1989 | CPR 1542.3 | EGY 1505.1 | THA 1205.3 | BRA 1096.5 | INS 999.1 | 61 st - 117.6 |
| 1990 | POL 2308.1 | CPR 2005.0 | VIE 1589.2 | INS 1412.6 | BRA 1229.1 | 53 rd - 190.2 |
| 1991 | INS 1305.2 | CPR 975.0 | EGY 959.8 | BRA 951.2 | BUL 934.7 | 67 th - 100.1 |
| 1958-91 | EGY 22222.3 | BRA 17021.1 | THA 14596.1 | PER 12631.1 | INS 12383.8 | 60 th - 1752.1 |

**"TOP FIVE" RECIPIENTS OF AGENCY ASSISTANCE
1958 - 1991 (in \$1000)**

TECHNICAL ASSISTANCE AND CO-OPERATION FUND

| Year | I | II | III | IV | V | COTE D'IVOIRE |
|---------|------------|------------|------------|------------|------------|---------------------------|
| 1958-81 | HUN 2533.0 | PAK 2010.9 | EGY 1898.7 | THA 1712.8 | BRA 1704.8 | 64 th - 240.3 |
| 1982 | EGY 507.1 | HUN 438.2 | CUB 430.7 | ECU 398.4 | ZAM 354.9 | 41 st - 115.8 |
| 1983 | EGY 1049.4 | VIE 897.4 | POL 667.8 | PAK 498.5 | PHI 430.0 | 55 th - 77.6 |
| 1984 | EGY 1197.2 | CUB 655.6 | ECU 565.6 | BGD 506.3 | BUL 472.4 | 47 th - 136.8 |
| 1985 | BGD 991.8 | VIE 745.0 | THA 708.7 | BRA 571.8 | POR 538.7 | 52 nd - 119.7 |
| 1986 | BRA 1381.8 | THA 871.9 | POL 833.5 | BGD 823.9 | SYR 751.8 | 47 th - 151.3 |
| 1987 | HUN 3305.2 | DRK 986.8 | BUL 888.5 | INS 885.8 | EGY 878.9 | 45 th - 222.2 |
| 1988 | BUL 1195.6 | PER 856.5 | EGY 768.6 | INS 751.7 | MAL 656.0 | 52 nd - 124.2 |
| 1989 | EGY 990.9 | CPR 868.2 | POR 769.6 | CHI 756.9 | MAL 619.4 | 64 th - 91.4 |
| 1990 | POL 1562.3 | VIE 1518.8 | DRK 1156.2 | IRA 958.0 | YUG 933.4 | 55 th - 165.8 |
| 1991 | BUL 893.1 | PAK 868.8 | INS 855.1 | VIE 817.6 | CPR 814.5 | 68 th - 83.6 |
| 1958-91 | EGY 9591.3 | HUN 8256.5 | POL 7793.5 | BRA 7433.5 | PAK 7346.0 | 59 th - 1528.7 |

ASSISTANCE PROVIDED BY THE AGENCY TO COTE D'IVOIRE

Financial Summary 1982 - 1991
(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 |
| 1982 | 6.1 | 109.7 | - | - | - | 115.5 | - | 66.1 | 49.7 | - | - | 115.8 |
| 1983 | 9.3 | 67.2 | 1.1 | - | - | 77.6 | - | 42.2 | 35.4 | - | - | 77.6 |
| 1984 | 20.3 | 108.0 | 13.8 | - | - | 142.1 | - | 131.8 | 5.0 | 5.3 | - | 142.1 |
| 1985 | 57.9 | 58.5 | 10.1 | - | - | 126.5 | - | 119.7 | - | - | 6.8 | 126.5 |
| 1986 | 35.6 | 109.2 | 26.5 | - | - | 171.3 | - | 146.3 | 5.0 | - | 20.0 | 171.3 |
| 1987 | 83.5 | 94.4 | 48.1 | - | - | 226.0 | - | 219.4 | 2.8 | 3.8 | - | 226.0 |
| 1988 | 42.5 | 64.2 | 40.6 | - | - | 147.3 | - | 107.2 | 17.0 | 23.1 | - | 147.3 |
| 1989 | 25.7 | 75.7 | 16.2 | - | - | 117.6 | - | 86.6 | 4.8 | 22.8 | 3.4 | 117.6 |
| 1990 | 68.7 | 92.5 | 29.0 | - | - | 190.2 | - | 165.8 | - | 24.4 | - | 190.2 |
| 1991 | 25.2 | 48.1 | 26.8 | - | - | 100.1 | - | 83.6 | - | 16.5 | - | 100.1 |
| 1982-91 | 374.8 | 827.5 | 212.2 | - | - | 1 414.5 | - | 1 168.7 | 119.7 | 95.9 | 30.2 | 1 414.5 |

TECHNICAL CO-OPERATION PROJECTS IN COTE D'IVOIRE
BY SECTOR

PROJECTS COMPLETED AND OPERATIONAL 1982 - 1992

TOTAL PROJECT ALLOTMENTS AND DISBURSEMENTS
(as of mid-November 1992)

| SECTOR | NO. OF PROJECTS | ALLOTMENTS \$ | % OF TOTAL | DISBURSEMENTS \$ | % OF TOTAL |
|--|-----------------|---------------|------------|------------------|------------|
| General atomic energy development | 1 | 471 479 | 30.0 | 449 414 | 30.5 |
| Nuclear physics and chemistry | - | - | - | - | - |
| Nuclear raw materials | - | - | - | - | - |
| Nuclear engineering and technology | - | - | - | - | - |
| Nuclear techniques in agriculture | 12 | 892 979 | 56.9 | 868 226 | 58.8 |
| Nuclear medicine | - | - | - | - | - |
| Nuclear techniques in biology | - | - | - | - | - |
| Nuclear techniques in industry and hydrology | - | - | - | - | - |
| Nuclear safety | 1 | 206 190 | 13.1 | 157 639 | 10.7 |
| TOTAL | 14 | 1 570 648 | 100.0 | 1 475 279 | 100.0 |

TECHNICAL CO-OPERATION PROJECTS IN COTE D'IVOIRE
 COMPLETED AND OPERATIONAL, BY SECTOR, 1982 - 1992
 (As of mid-November 1992)

| Sector | No. of projects | Total project allotments \$ | Total project disbursements \$ |
|--|-----------------|-----------------------------|--------------------------------|
| <u>Completed projects</u> | | | |
| General atomic energy development | - | - | - |
| Nuclear physics and chemistry | - | - | - |
| Nuclear raw materials | - | - | - |
| Nuclear engineering and technology | - | - | - |
| Nuclear techniques in agriculture | 10 | 664 023 | 649 517 |
| Nuclear medicine | - | - | - |
| Nuclear techniques in biology | - | - | - |
| Nuclear techniques in industry & hydrology | - | - | - |
| Nuclear safety | - | - | - |
| TOTAL | 10 | 664 023 | 649 517 |
| <u>Operational projects</u> | | | |
| General atomic energy development | 1 | 471 479 | 449 414 |
| Nuclear physics and chemistry | - | - | - |
| Nuclear raw materials | - | - | - |
| Nuclear engineering and technology | - | - | - |
| Nuclear techniques in agriculture | 2 | 228 956 | 218 709 |
| Nuclear medicine | - | - | - |
| Nuclear techniques in biology | - | - | - |
| Nuclear techniques in industry & hydrology | - | - | - |
| Nuclear safety | 1 | 206 190 | 157 639 |
| TOTAL | 4 | 906 625 | 825 762 |

EXPERT SERVICES, EQUIPMENT AND PROJECT-FUNDED TRAINING PROVIDED TO COTE D'IVOIRE, BY SECTOR
 PROJECTS COMPLETED AND OPERATIONAL 1982 - 1992
 (As of mid-November 1992)

| FIELD | TOTAL PROJECT ALLOTMENTS | | | | TOTAL PROJECT DISBURSEMENTS | | | |
|--|--------------------------|---------|-----------|----------|-----------------------------|---------|-----------|----------|
| | EXPERT SERVICES | | EQUIPMENT | TRAINING | EXPERT SERVICES | | EQUIPMENT | TRAINING |
| | M/M | \$ | \$ | \$ | M/M | \$ | \$ | \$ |
| General atomic energy development | 16/17 | 109 770 | 357 219 | 4 490 | 17 | 93 019 | 351 905 | 4 490 |
| Nuclear physics and chemistry | - | - | - | - | - | - | - | - |
| Nuclear raw materials | - | - | - | - | - | - | - | - |
| Nuclear engineering and technology | - | - | - | - | - | - | - | - |
| Nuclear techniques in agriculture | 47/02 | 314 747 | 544 288 | 33 944 | 40/25 | 322 833 | 511 449 | 33 944 |
| Nuclear medicine | - | - | - | - | - | - | - | - |
| Nuclear techniques in biology | - | - | - | - | - | - | - | - |
| Nuclear techniques in industry & hydrology | - | - | - | - | - | - | - | - |
| Nuclear safety | 3/26 | 34 670 | 144 300 | 27 220 | 1/05 | 12 499 | 118 598 | 26 542 |
| TOTAL | 67/15 | 459 187 | 1 045 807 | 65 654 | 58/17 | 428 351 | 981 952 | 64 976 |

AGENCY FELLOWS FROM COTE D'IVOIRE

1982 - 1992¹
(As of mid-November 1992)

| Sector | No. of fellowships | No. of months/days | Host countries |
|--|--------------------|--------------------|-----------------------------------|
| General atomic energy development | - | - | - |
| Nuclear physics | 3 | 4/15 | AUS, FRA |
| Nuclear chemistry | 3 | 7/00 | GHA, KEN, IAEA |
| Nuclear raw materials | - | - | - |
| Nuclear engineering and technology | 2 | 5/26 | FRA |
| Nuclear techniques in agriculture | 14 | 51/06 | FRA, HUN, NET, GER, CAN, UK, IAEA |
| Nuclear medicine | 2 | 19/00 | FRA, BEL |
| Nuclear techniques in biology | - | - | - |
| Nuclear techniques in industry and hydrology | 2 | 24/01 | FRA |
| Nuclear safety | 7 | 7/20 | FRA |
| TOTAL | 33 | 119/08 | |

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

COTE D'IVOIRE
FELLOWSHIPS LONGER THAN 12 M/M
1982 - 1992
(As of mid-November 1992)

| Name | Field of study | Host country | Date | Duration | Project |
|--------|-------------------|--------------|-----------------|----------|---------|
| ANOMA | Nuclear medicine | BEL | Sep.85 - Sep.86 | 12/00 | . |
| AKADIE | Isotope hydrology | FRA | May 87 - May 88 | 12/01 | . |
| YAPI | Isotope hydrology | FRA | Oct.86 - Sep.87 | 12/00 | . |

**COTE D'IVOIREAN NATIONALS WHO WERE AWARDED MORE THAN ONE
FELLOWSHIP OR SCIENTIFIC VISIT
1982 - 1992
(As of mid-November 1992)**

| Name | Field of study | Host country | Date | Duration | Project |
|---------|---|--------------------|---|----------------------|-------------------------------------|
| GOA | 1. Food irradiation 2. Food preservation | NET NET | Oct.85 - Nov.85 Sep.87 - Mar.88 | 1/02 6/00 | - 1VC/5/017 |
| KABA | 1. Analytical nuclear physics 2. Radioagronomy | AUS GER | Jul.84 - Sep.84 Jul.88 - Oct.88 | 2/01 3/01 | 1VC/0/003 1VC/0/003 |
| KODIA | 1. Analytical chemistry 2. Food irradiation 3. Analytical chemistry | KEN CAN IAEA | Oct.86 - Dec.86 Sep.88 - Oct.88 Oct.91 - Nov.91 | 2/01 1/12 1/01 | 1VC/0/003 1VC/5/017 RAF/0/007 |
| KOUASSI | 1. Nuclear spectroscopy 2. Nuclear physics | FRA FRA | Aug.85 - Sep.85 Jun.89 - Jul.89 | 1/01 1/13 | 1VC/0/003 RAF/0/003 |

AGENCY TRAINING COURSES WITH COTE D'IVOIREAN PARTICIPATION

1982 - 1992
(As of mid-November 1992)

| Field | Number of participants | Number of courses |
|--|------------------------|-------------------|
| General atomic energy development | 1 | 1 |
| Nuclear physics | 2 | 2 |
| Nuclear chemistry | 1 | 1 |
| Nuclear raw materials | 2 | 1 |
| Nuclear engineering and technology | 1 | 1 |
| Nuclear techniques in agriculture | 14 | 14 |
| Nuclear medicine | 2 | 2 |
| Nuclear techniques in biology | - | - |
| Nuclear techniques in industry & hydrology | 2 | 2 |
| Nuclear safety | 7 | 6 |
| TOTAL | 32 | 30 |

MULTIPLE PARTICIPATION IN AGENCY TRAINING COURSES
 BY COTE D'IVOIREAN NATIONALS
 1982 - 1992
 (As of mid-November 1992)

| Name | Course No. | Course title | Year | Location |
|-----------|-----------------|--|------|------------|
| COULIBALY | INT/9/098 (001) | ITC on safety and regulation of unsealed sources of radioactive material | 1989 | IRE |
| | RAF/9/005 (003) | RTC for radiation protection officers | 1990 | TUN |
| KODIA | INT/1/026 (001) | ITC on radiochemistry and nuclear analytical techniques | 1984 | FRA GER |
| | INT/9/100 (001) | ITC on radioactivity measurements for environmental monitoring purposes | 1989 | FRA |
| | INT/9/129 (001) | ITC on planning, organization and implementation of radiation protection on a national level | 1992 | USA |
| | RAF/0/006 (001) | RTC on design, management and evaluation techniques of IAEA technical co-operation projects | 1991 | GHA |
| | RAF/8/015 (001) | RWS on X-ray fluorescence laboratory network in Africa | 1992 | KEN |
| | RAF/9/005 (003) | RTC for radiation protection officers | 1990 | TUN |
| | RAF/9/005 (006) | RWS on trouble shooting and maintenance of Vinten TLD equipment | 1991 | AUS |
| TOKPA | INT/5/116 (001) | ITC on the induction and use of mutations in plant breeding | 1989 | AUS |
| | RAF/5/015 (001) | RTC on the induction and use of mutations in plant breeding | 1990 | GHA |

PROJECTS COMPLETED IN COTE D'IVOIRE SINCE 1982
(As of mid-November 1992)

| STARTED | PROJECT NO. | TITLE | ALLOTMENTS | | | | DISBURSEMENTS | | | | COMPLETED |
|---------|-------------|---|------------|---------|-----------|----------|---------------|---------|-----------|----------|-----------|
| | | | EXPERTS | | EQUIPMENT | TRAINING | EXPERTS | | EQUIPMENT | TRAINING | |
| | | | M/M | \$ | \$ | \$ | M/M | \$ | \$ | \$ | |
| 1978 | IVC/5/007 | Radioisotopes in agriculture | 6/00 | 21 600 | 36 800 | - | 4/29 | 28 259 | 36 316 | - | 1983 |
| 1980 | IVC/5/009 | Radioisotopes in agriculture | 2/00 | 8 400 | 25 600 | - | 0/19 | 4 692 | 24 470 | - | 1984 |
| 1981 | IVC/5/010 | Plant breeding | 4/00 | 19 200 | 35 000 | - | 4/04 | 19 016 | 35 000 | - | 1982 |
| 1982 | IVC/5/011 | Nuclear techniques in agriculture | 3/00 | 20 700 | 25 000 | - | 0/04 | 634 | 10 202 | - | 1985 |
| 1983 | IVC/5/012 | Optimization of cultivation methods for upland rice | 4/23 | 33 642 | 86 840 | - | 4/23 | 42 711 | 86 647 | - | 1990 |
| 1984 | IVC/5/013 | Physiology of hevea | 9/00 | 60 450 | 122 000 | - | 9/01 | 54 761 | 123 672 | - | 1988 |
| 1986 | IVC/5/014 | Soil fertility studies | 1/00 | 6 900 | - | - | 0/12 | 4 676 | - | - | 1987 |
| 1986 | IVC/5/015 | Nuclear methods in nutritional analysis | 3/09 | 25 940 | 77 727 | 16 959 | 3/09 | 31 957 | 77 377 | 16 959 | 1992 |
| 1986 | IVC/5/017 | Food preservation | 2/19 | 20 050 | - | 16 985 | 2/19 | 28 358 | - | 16 985 | 1992 |
| 1987 | IVC/5/019 | Nitrogen and carbon uptake of pineapples | 0/18 | 4 230 | - | - | 0/18 | 6 825 | - | - | 1990 |
| | TOTAL | 10 projects | 36/09 | 221 112 | 408 967 | 33 944 | 30/18 | 221 889 | 393 684 | 33 944 | |

OPERATIONAL PROJECTS IN COTE D'IVOIRE
(As of mid-November 1992)

| STARTED | PROJECT NO. | TITLE | ALLOTMENTS | | | | DISBURSEMENTS | | | |
|---------|-------------|--|------------|---------|-----------|----------|---------------|---------|-----------|----------|
| | | | EXPERTS | | EQUIPMENT | TRAINING | EXPERTS | | EQUIPMENT | TRAINING |
| | | | M/M | \$ | \$ | \$ | M/M | \$ | \$ | \$ |
| 1982 | IVC/0/003 | Nuclear science laboratory | 16/17 | 109 770 | 357 219 | 4 490 | 16/17 | 93 019 | 351 905 | 4 490 |
| 1986 | IVC/5/016 | Radioimmunoassay in animal pathology | 6/23 | 49 385 | 45 321 | - | 6/23 | 55 491 | 44 893 | - |
| 1987 | IVC/5/018 | Fuel-wood production | 4/00 | 44 250 | 90 000 | - | 3/14 | 45 453 | 72 872 | - |
| 1989 | IVC/9/002 | Establishment of a radiation protection centre | 3/26 | 34 670 | 144 300 | 27 220 | 1/05 | 12 499 | 118 598 | 26 542 |
| | TOTAL | 4 projects | 31/06 | 238 075 | 636 840 | 31 710 | 27/29 | 206 462 | 588 268 | 31 032 |

COUNTERPART INSTITUTIONS IN COTE D'IVOIRE (I)
(By Project)

| <u>Project No.</u> | <u>Institute</u> | <u>Counterpart(s)</u> |
|--|--|-----------------------|
| <u>GENERAL ATOMIC ENERGY DEVELOPMENT</u> | | |
| IVC/0/003 | University of Abidjan, Research Institute for New Energy Sources, Abidjan | KODIA |
| <u>AGRICULTURE</u> | | |
| IVC/5/007 | Institute of Agronomic Research, Bouake | CHOPART |
| IVC/5/009 | Institute of Coffee and Cocoa Research, Abidjan | JADIN |
| IVC/5/010 | Institute of Rubber Research, Abidjan | PRIMOT |
| IVC/5/011 | Institute for Research on Citrus and Other Fruits, Abidjan | PINON |
| IVC/5/012 | Savannah Institute (IDESSA), Department of Agronomy, Bouake | CHOPART |
| IVC/5/013 | Institute of Rubber Research, Abidjan | ESCHBACH |
| IVC/5/014 | Marc Delorme Coconut Research Station, Abidjan | POMIER |
| IVC/5/015 | Central Laboratory for Animal Nutrition, Abidjan | COULIBALY |
| IVC/5/016 | Ministry of Animal Production, Laboratory of Animal Pathology, Bingerville | ANGBA |
| IVC/5/017 | Ministries of Agriculture and Scientific Research, Côte d'Ivoire Institute of Tropical Technology, Abidjan | COFFI |
| IVC/5/018 | Marc Delorme Coconut Research Station, Abidjan | ZAKRA |
| IVC/5/019 | Institute for Research on Citrus and Other Fruits, Abidjan | MEYER |

COUNTERPART INSTITUTIONS IN COTE D'IVOIRE (I)
(By Project)

| <u>Project No.</u> | <u>Institute</u> | <u>Counterpart(s)</u> |
|--------------------|--|-----------------------|
| | <u>NUCLEAR SAFETY</u> | |
| IVC/9/002 | 1. Ministry of Public Health and Population, Abidjan | LOUKOU YAO |
| | 2. University of Abidjan, Research Institute for New Energy Sources, Abidjan | KODIA |

COUNTERPART INSTITUTIONS IN COTE D'IVOIRE (II)
(By Institute)

ABIDJAN

**University of Abidjan
Research Institute for New Energy Sources
Abidjan**

IVC/0/003 Nuclear Science Laboratory
IVC/9/002 Establishment of a Radiation Protection Centre

**Ministry of Public Health and Population
Abidjan**

IVC/9/002 Establishment of a Radiation Protection Centre

**Ministries of Agriculture and Scientific Research
Côte d'Ivoire Institute of Tropical Technology
Abidjan**

IVC/5/017 Food Preservation

**Institute of Coffee and Cocoa Research
Abidjan**

IVC/5/009 Radioisotopes in Agriculture

**Institute of Rubber Research
Abidjan**

IVC/5/010 Plant Breeding
IVC/5/013 Physiology of Hevea

**Institute for Research on Citrus and Other Fruits
Abidjan**

IVC/5/011 Nuclear Techniques in Agriculture
IVC/5/019 Nitrogen and Carbon Uptake of Pineapples

**Marc Delorme Coconut Research Institute
Abidjan**

IVC/5/014 Soil Fertility Studies
IVC/5/018 Fuel-wood Production

COUNTERPART INSTITUTIONS IN COTE D'IVOIRE (II)

(By Institute)

ABIDJAN (cont'd)

**Central Laboratory for Animal Nutrition
Abidjan**

IVC/5/015 Nuclear Methods in Nutritional Analysis

BOUAKE

**Institute of Agronomic Research
Bouake**

IVC/5/007 Radioisotopes in Agriculture

**Savannah Institute (IDESSA)
Department of Agronomy
Bouake**

IVC/5/012 Optimization of Cultivation Methods for Upland Rice

BINGERVILLE

**Ministry of Animal Production
Laboratory of Animal Pathology
Bingerville**

IVC/5/016 Radioimmunoassay in Animal Pathology

THE AGENCY'S TECHNICAL CO-OPERATION PROGRAMME WITH COTE D'IVOIRE

**LONG-TERM EXPERT ASSIGNMENTS
(1982 - 1992)**

NONE

RESEARCH CONTRACTS/AGREEMENTS IN COTE D'IVOIRE SINCE 1982 ¹
(As of mid-November 1992)

| Field of activity | No. of contracts/ agreements | Amount allocated \$ |
|-----------------------------------|------------------------------|---------------------|
| Nuclear techniques in agriculture | 6 | 49 000 |
| TOTAL | 6 | 49 000 |

¹ New awards since 1982

**SCIENTISTS FROM COTE D'IVOIRE SERVING AS AGENCY
TECHNICAL CO-OPERATION EXPERTS OR
TRAINING COURSE LECTURERS
1982 - 1992
(As of mid-November 1992)**

| Name | No. of assignments | Project(s) |
|---------------|--------------------|------------|
| ABIFARIN | 1 | INT/0/048 |
| CHOPART | 1 | MLI/5/004 |
| COUACY-HYMANN | 1 | RAF/5/006 |
| TOTAL | 3 | |

**AGENCY FELLOWSHIPS AND SCIENTIFIC VISITS
HOSTED BY COTE D'IVOIRE
1982 - 1992
(As of mid-November 1992)**

| Recipient country | No. of fellowships | No. of scientific visits | TOTAL ¹ |
|-------------------|--------------------|--------------------------|--------------------|
| CAMEROON | 1 | - | 1 |
| MALI | 1 | - | 1 |
| SENEGAL | 1 | - | 1 |
| TOTAL | 3 | - | 3 |

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

**REGIONAL AND INTERREGIONAL TRAINING EVENTS
HOSTED BY COTE D'IVOIRE
1982 - 1992
(As of mid-November 1992)**

| Course No. | Course Title | Participants | Year |
|-----------------|--|--------------|------|
| RAF/5/019 (001) | RTC on the use of immunoassay techniques in the diagnosis and control of animal diseases | 17 | 1990 |
| | TOTAL | 17 | |