

## Overview of 2003-2004 Budget Approvals *including 13 projects proposed to be closed.*

| Project Number | Title | 2,001 |    | 2,002 adjusted * |    | 2,003 |    | 2,004 |    | 1st Yr of Approval |
|----------------|-------|-------|----|------------------|----|-------|----|-------|----|--------------------|
|                |       | HC    | a/ | HC               | a/ | HC    | a/ | HC    | a/ |                    |

### ***Agriculture (4ext.& 1 Continuation + 1 to be closed)***

|           |  |         |         |           |         |                |         |                |         |      |
|-----------|--|---------|---------|-----------|---------|----------------|---------|----------------|---------|------|
| RAS5035   | Improving Animal Productivity and Reproductive Efficiency (Ext.)   | 221,760 | -       | 208,800   | -       | <u>91,070</u>  | 51,020  | <u>63,480</u>  | 148,480 | 1999 |
| RAS5037   | Mutational Enhancement for Genetic Diversity in Rice (TBC)   | 26,150  | -       | 55,300    | -       | -              | -       | -              | -       | 1999 |
| RAS5039   | Restoration of Soil Fertility and Sustenance of Agricultural Productivity (Cont.)                                    | -       | -       | 252,820   | -       | <u>155,890</u> | -       | <u>145,880</u> | -       | 2001 |
| RAS5040   | Enhancement of Genetic Diversity in Food, Pulses, and Oil Crops and Establishment of Mutant Germplasm Network (Ext.) | -       | 209,220 | -         | 211,440 | <u>108,360</u> | 266,450 | <u>93,790</u>  | 21,560  | 2001 |
| RAS5041   | Production of Foot and Mouth Disease Antigen and Antibody ELISA Reagent Kit (Ext)                                    | -       | 236,940 | -         | 237,960 | <u>107,290</u> | 271,140 | <u>103,920</u> | 20,000  | 2001 |
| RAS5042   | Application of Food Irradiation for Food Security, Safety, and Trade (Ext)   | 100,740 | -       | 44,100    | 25,000  | <u>83,210</u>  | -       | <u>79,070</u>  | -       | 2001 |
| Sub-Total |  | 348,650 | 446,160 | 561,020   | 474,400 | <u>545,820</u> | 588,610 | <u>486,140</u> | 190,040 |      |
|           |  | 794,810 |         | 1,035,420 |         | 1,134,430      |         | 676,180        |         |      |

### ***Health (5 new; 2 extension + 4 to be closed)***

|                   |  |         |         |        |         |                |         |                |         |      |
|-------------------|--|---------|---------|--------|---------|----------------|---------|----------------|---------|------|
| RAS6027           | Quality Assurance in Radiation Therapy (TBC)   | -       | -       | -      | -       | -              | -       | -              | -       | 1997 |
| RAS6028           | Nuclear Medicine Applications (TBC)  | 266,620 | 338,370 | 98,000 | 341,540 | -              | -       | -              | -       | 1997 |
| RAS6029           | Distance-assisted Training for Nuclear Medicine Technicians ( <i>AUL funded until 2002</i> ) (Ext) | -       | -       | -      | -       | <u>85,000</u>  | -       | <u>108,600</u> | -       | 1997 |
| RAS6033           | Distance Education in Radiation Oncology (Ext.)  | 171,480 | -       | -      | -       | <u>45,100</u>  | -       | <u>111,000</u> | -       | 1999 |
| RAS6035           | LDR and HDR Brachytherapy in Treating Cervical Cancer (TBC)  | 100,000 | 30,000  | 70,240 | 30,000  | -              | -       | -              | -       | 2001 |
| RAS6036           | Management of Liver Cancer Using Transarterial Radioconjugate Therapy (New)                        | -       | -       | -      | -       | <u>135,380</u> | -       | <u>139,040</u> | -       | 2003 |
| RAS6037<br>-a/JPN | Quality Assurance for Treatment of Cervix Cancer by Radiotherapy (New)                             | -       | -       | -      | -       | -              | 150,250 | -              | 154,640 | 2003 |
| RAS6038           | Strengthening Medical Physics through Education and Training (New)                                 | -       | -       | -      | -       | <u>118,050</u> | -       | <u>141,000</u> | -       | 2003 |

|           |  |           |         |         |         |                |         |                |         |      |
|-----------|--|-----------|---------|---------|---------|----------------|---------|----------------|---------|------|
| RAS6039   | Use of Radiosynovectomy in the Management of Patients Suffering from Painful Joint Disorders (New) | -         | -       | -       | -       | <u>90,620</u>  | -       | <u>71,952</u>  | -       | 2003 |
| RAS7008   | Quality Assurance in Radiation Sterilization of Tissue Graft (TBC)                                 | 139,600   | 153,400 | 70,000  | 155,800 | =              | -       | =              | -       | 1997 |
| RAS7012   | Diagnosing Osteoporosis Using Nuclear Techniques (New)   | -         | -       | -       | -       | <u>30,100</u>  | 139,020 | =              | 50,000  | 2003 |
| Sub-Total |  | 677,700   | 521,770 | 238,240 | 527,340 | <u>504,250</u> | 289,270 | <u>571,592</u> | 204,640 |      |
|           |  | 1,199,470 |         | 765,580 |         | 793,520        |         | 776,232        |         |      |

***Environment (4 new; 2 continuation+ 4 to be closed)***

|                   |   |           |         |           |         |                |         |                |         |      |
|-------------------|---|-----------|---------|-----------|---------|----------------|---------|----------------|---------|------|
| RAS0029<br>-a/AUL | Radiation Protection and Networking (TBC)   | -         | -       | -         | -       | =              | -       | =              | -       | 1999 |
| RAS7011           | Enhancing the Sustainability of the Marine Coastal Environment (New)  | -         | -       | -         | -       | <u>158,360</u> | -       | <u>104,280</u> | 51,120  | 2003 |
| RAS7013           | Improved Information about Urban Air Quality Management (New)   | -         | -       | -         | -       | <u>104,080</u> | 52,380  | <u>229,820</u> | 29,540  | 2003 |
| RAS8076           | Better Management of Environment and Industrial Growth (Joint UNDP/RCA) (TBC)                                 | 200,000   | 96,000  | 92,110    | 96,880  | =              | -       | =              | -       | 1997 |
| RAS8082           | Isotopic and Related Techniques to Assess Air Pollution (Joint UNDP/RCA) (TBC)                                | 252,440   | 194,250 | 272,780   | 196,900 | =              | -       | =              | -       | 1999 |
| RAS8084           | Isotope Use in Managing and Protecting Drinking Water (TBC)   | 163,880   | 42,960  | 177,040   | 60,000  | =              | -       | =              | -       | 1999 |
| RAS8092           | Investigating Environment and Water Resources in Geothermal Areas (Cont.)                                     | 146,750   | -       | 180,500   | -       | <u>199,480</u> | -       | =              | -       | 2001 |
| RAS8093           | Use of Isotopes in Dam Safety and Dam Sustainability (Cont.)  | 151,000   | -       | 195,400   | 49,600  | <u>209,700</u> | -       | =              | -       | 2001 |
| RAS8095<br>-a/AUL | Improving Regional Capacity for Assessment, Planning, and Response to Aquatic Environmental Emergencies (New) | -         | -       | -         | -       | =              | 68,700  | =              | 37,400  | 2003 |
| RAS8097           | Isotope Techniques for Groundwater Contamination Studies in Urbanized and Industrial Areas (New)              | -         | -       | -         | -       | <u>101,070</u> | 194,180 | <u>159,080</u> | 55,880  | 2003 |
| Sub-Total         |   | 914,070   | 333,210 | 917,830   | 403,380 | <u>772,690</u> | 315,260 | <u>493,180</u> | 173,940 |      |
|                   |   | 1,247,280 |         | 1,321,210 |         | 1,087,950      |         | 667,120        |         |      |

***Industry (2 new; 2 extension+ 1 to be closed)***

|                   |  |         |         |         |         |                |         |                |         |      |
|-------------------|--|---------|---------|---------|---------|----------------|---------|----------------|---------|------|
| RAS8085<br>-a/JPN | Non-Destructive Testing and Evaluation (Ext.)  | -       | 186,290 | -       | 186,290 | =              | 115,140 | =              | 105,188 | 1999 |
| RAS8090<br>-a/JPN | Upgrading Natural Polymers and Environment Conservation Through Radiation Processing ( <i>JPN funded</i> ) (TBC) | -       | 103,320 | -       | 108,780 | =              | -       | =              | -       | 2001 |
| RAS8091           | Process Diagnostics and Optimization in Petrochemical Industry (Ext.)  | 193,380 | 84,200  | 230,400 | 86,800  | <u>145,140</u> | 25,000  | <u>123,200</u> | 32,780  | 2001 |

|                   |   |         |         |         |         |                |         |                |         |      |
|-------------------|---|---------|---------|---------|---------|----------------|---------|----------------|---------|------|
| RAS8094           | Optimization of Materials in Industry Using Online Bulk Analysis Techniques (New) | -       | -       | -       | -       | <u>132,900</u> | -       | <u>123,200</u> | -       | 2003 |
| RAS8096<br>-a/JPN | Modification of Natural Polymers through Radiation Processing (New)               | -       | -       | -       | -       | =              | 149,350 | =              | 78,760  | 2003 |
| Sub-Total         |   | 193,380 | 373,810 | 230,400 | 381,870 | <u>278,040</u> | 289,490 | <u>246,400</u> | 216,728 |      |
|                   |   | 567,190 |         | 612,270 |         | 567,530        |         | 463,128        |         |      |

***Radiation Protection (1new + 2 to be closed)***

|           |  |         |         |         |         |               |         |                |        |      |
|-----------|--|---------|---------|---------|---------|---------------|---------|----------------|--------|------|
| RAS9018   | Harmonization of Radiation Protection (TBC)                    | 220,800 | 133,400 | 234,000 | 133,400 | =             | -       | =              | -      | 1997 |
| RAS9024   | Environmental Radiation Monitoring and Regional Database (TBC) | -       | 52,870  | -       | -       | =             | -       | =              | -      | 1999 |
| RAS9029   | Harmonization of Radiation Protection, Phase IV (New)          | -       | -       | -       | -       | <u>77,380</u> | 164,380 | <u>192,880</u> | 40,000 | 2003 |
| Sub-Total |  | 220,800 | 186,270 | 234,000 | 133,400 | <u>77,380</u> | 164,380 | <u>192,880</u> | 40,000 |      |
|           |  | 407,070 |         | 367,400 |         | 241,760       |         | 232,880        |        |      |

***Energy, Research Rx (2 new)***

|           |   |   |   |   |   |                |         |                |         |      |
|-----------|---|---|---|---|---|----------------|---------|----------------|---------|------|
| RAS0038   | Role of Nuclear Power and Other Energy Options in Competitive Electricity Markets (New) | - | - | - | - | <u>141,360</u> | 105,400 | <u>110,880</u> | 57,640  | 2003 |
| RAS4022   | Improvement of Research Reactor Operation and Utilization, Phase II (New)               | - | - | - | - | <u>166,512</u> | 42,540  | <u>154,920</u> | 45,656  | 2003 |
| Sub-Total |   | 0 | 0 | 0 | 0 | <u>307,872</u> | 147,940 | <u>265,800</u> | 103,296 |      |
|           |   | 0 |   | 0 |   | 455,812        |         | 369,096        |         |      |

***TCDC (1 new + 1 to be closed)***

|           |   |         |   |         |   |                |        |                |        |      |
|-----------|---|---------|---|---------|---|----------------|--------|----------------|--------|------|
| RAS0025   | Technical Co-operation Among Developing Countries (TBC)               | 114,530 | - | 142,000 | - | 0              | -      | =              | -      | 1997 |
| RAS0035   | Management of Technical Co-operation among Developing Countries (New) | -       | - | -       | - | <u>235,020</u> | 50,000 | <u>265,480</u> | 23,520 | 2003 |
| Sub-Total |   | 114,530 | 0 | 142,000 | 0 | <u>235,020</u> | 50,000 | <u>265,480</u> | 23,520 |      |
|           |   | 114,530 |   | 142,000 |   | 285,020        |        | 289,000        |        |      |

|   |  |           |           |           |           |                  |           |                  |         |  |
|---|--|-----------|-----------|-----------|-----------|------------------|-----------|------------------|---------|--|
| <b>Total : 26 projects</b> (including 3 footnote a/ projects) |  | 2,469,130 | 1,861,220 | 2,323,490 | 1,920,390 | <u>2,721,072</u> | 1,844,950 | <u>2,521,472</u> | 952,164 |  |
| <i>and 13 projects proposed to be closed.</i>                 |  | 4,330,350 |           | 4,243,880 |           | 4,566,022        |           | 3,473,636        |         |  |

\* Adjusted programme

: The total value of TC activities approved for a given year plus all approved assistance from previous years that is still awaiting implementation.