

表2.1-2 社会厚生・教育・福祉関連施設一覽

PRESENT POSITION OF EDUCATION AND HEALTH SERVICES IN THE STUDY AREA

| Division | Gross Area (a) km ² | Population (b) | Number of Schools | | | | Density | | Number of Hospitals | | | | | | | Number of | | |
|----------------|-----------------------------------|-------------------|-------------------|--------------------|--------------------|---------|---------|--------------------------------|------------------------------------|--------------------|----------------|----------------|--------------------|-------------------|---------------------------|-----------|-------------------|--|
| | | | Primary School | Junior high School | Senior high School | College | Total | Schls/1,000Ps 1000x (c)/(b) | km ² /school (a)/(c) | Central Dispensary | Maternity Home | Rural Hospital | Periphere Hospital | District Hospital | Basic Provincial Hospital | Total | Total Beds (c) | Density Total Beds/1,000Ps (d)/(a) 1000x (c)/(a) |
| | | | 10 | 4 | 0 | 24 | 24 | 1.0 | 11.7 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 74 | 0.08 |
| Uda Dumbura | 280.2 | 25,031 | 10 | 4 | 0 | 24 | 24 | 1.0 | 11.7 | 1 | 0 | 0 | 1 | 0 | 2 | 74 | 0.08 | |
| Meda Dumbura | 168.0 | 56,839 | 13 | 8 | 0 | 44 | 44 | 0.8 | 3.8 | 1 | 1 | 1 | 0 | 0 | 4 | NA | 0.07 | |
| Kundasale | 84.8 | 101,720 | 7 | 10 | 1 | 36 | 36 | 0.4 | 2.4 | 1 | 5 | 5 | 1 | 0 | 13 | 325 | 0.13 | |
| Hanguranketha | 231.0 | 96,030 | 31 | 28 | 8 | 68 | 68 | 0.7 | 3.4 | 1 | 2 | 2 | 0 | 0 | 7 | 195 | 0.07 | |
| Walpunc | 315.9 | 110,790 | 43 | 27 | 11 | 82 | 82 | 0.7 | 3.9 | 2 | 2 | 1 | 0 | 0 | 8 | 326 | 0.07 | |
| Kandaketya | 164.2 | 23,601 | 6 | 10 | 4 | 21 | 21 | 0.9 | 7.8 | 1 | 0 | 0 | 2 | 0 | 3 | 0 | 0.13 | |
| Uva paranganas | 131.3 | 73,008 | 18 | 20 | 7 | 46 | 46 | 0.6 | 2.9 | 0 | 0 | 1 | 0 | 0 | 2 | 97 | 0.03 | |
| Hallela | 168.4 | 89,044 | 10 | 50 | 8 | 69 | 69 | 0.8 | 2.4 | 2 | 1 | 8 | 0 | 0 | 11 | 12 | 0.12 | |
| Weimada | 187.0 | 79,500 | 12 | 21 | 12 | 48 | 48 | 0.6 | 3.9 | 4 | 0 | 1 | 0 | 0 | 6 | 30 | 0.03 | |

| Division | Gross Area (a) km ² | Population (b) | Number of Post Offices | | Density km ² /P.O. (a)/(c) | Number of Telephones (d) | Density Population/Tele (b)/(d) | Banking | | | Co-operative | | | | |
|----------------|-----------------------------------|-------------------|------------------------|------------|---|--------------------------------|---------------------------------------|----------|-----------------|------------|--------------|-------------------|------------|------------|----|
| | | | General P.O. | Sub Office | | | | Total | Commercial Bank | Rural Bank | Co-op Bank | Co-operative Bank | Co-op Bank | Co-op Bank | |
| | | | 1 | 15 | 16 | 17.5 | 4 | 6,257.8 | 1 | 1 | 1 | 1 | 18 | 1 | 15 |
| Uda Dumbura | 280.2 | 25,031 | 1 | 15 | 16 | 17.5 | 4 | 6,257.8 | 1 | 1 | 1 | 1 | 18 | 1 | 15 |
| Meda Dumbura | 168.0 | 56,839 | 2 | 20 | 22 | 7.6 | NA | - | 1 | 3 | 3 | 2 | 35 | 2 | 35 |
| Kundasale | 84.8 | 101,720 | 1 | 26 | 27 | 3.1 | 69 | 1,474.2 | 1 | 3 | 4 | 1 | 37 | 1 | 37 |
| Hanguranketha | 231.0 | 96,030 | 2 | 19 | 21 | 11.0 | NA | - | 2 | 1 | 5 | 2 | 46 | 2 | 46 |
| Walpunc | 315.9 | 110,790 | 5 | 18 | 23 | 13.7 | NA | - | 5 | 1 | 1 | 24 | 24 | 2 | 46 |
| Kandaketya | 164.2 | 23,601 | 9 | 9 | 18 | 9.1 | 22 | 94.4 | 1 | 2 | 2 | 2 | 2 | 1 | 10 |
| Uva paranganas | 131.3 | 73,008 | 3 | 16 | 19 | 6.9 | 30 | 14,600.0 | 4 | 9 | 9 | 24 | 24 | 2 | 54 |
| Hallela | 168.4 | 89,044 | 2 | 31 | 33 | 5.1 | 220 | 6,849.5 | 2 | 8 | 8 | 16 | 16 | 2 | 44 |
| Weimada | 187.0 | 79,500 | 2 | 20 | 22 | 8.5 | 309 | 257.3 | 5 | 9 | 9 | 21 | 21 | 2 | 47 |

表2.1-3 作物別郡別年生産量

| | Udaumbura | | Mwadumbura | | Hansorankera | | Walapue | | Uva Perunagama | | Waimada | | Kandaketiya | | Haniola | | Ground Total | | Average | | |
|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|----------------|----------------|
| | Extent (ha) | Prod. (ton) | Extent (ha) | Prod. (ton) | Extent (ha) | Prod. (ton) | Extent (ha) | Prod. (ton) | Extent (ha) | Prod. (ton) | Extent (ha) | Prod. (ton) | Extent (ha) | Prod. (ton) | Extent (ha) | Prod. (ton) | Extent (ha) | Prod. (ton) | Extent (ha) | Yield (ton/ha) | Yield (ton/ha) |
| Paddy | 2,846 | 8,538 | 1,852 | 4,987 | 4,526 | 7,292 | 4,706 | 9,365 | 1,614 | 6,380 | 1,557 | 6,050 | 2,368 | 8,341 | 1,812 | 6,915 | 21,281 | 57,868 | | 2.7 | |
| Banana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Beet | 103 | 779 | 9 | 76 | 246 | 2,820 | 206 | 2,695 | 104 | 1,635 | 133 | 1,995 | 3 | 25 | 25 | 337 | 829 | 10,362 | | 12.5 | |
| Bittergourd | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Black gram | 85 | 548 | 8 | 82 | 216 | 2,330 | 525 | 6,300 | 148 | 1,850 | 128 | 1,551 | 20 | 205 | 53 | 530 | 1,183 | 13,396 | | 11.3 | |
| Brijal | 159 | 954 | 17 | 50 | 524 | 1,020 | 310 | 928 | 280 | 839 | 780 | 2,340 | 2 | 2 | 69 | 224 | 2,141 | 6,357 | | 3.0 | |
| Bush Bean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bushito | 108 | 1,260 | 12 | 139 | 337 | 3,770 | 380 | 5,715 | 319 | 6,530 | 536 | 10,720 | 10 | 150 | 102 | 1,890 | 1,754 | 30,194 | | 17.2 | |
| Cabbage | 4 | 16 | 66 | 171 | 196 | 602 | 33 | 316 | 83 | 1,040 | 262 | 1,040 | 32 | 96 | 27 | 95 | 670 | 2,336 | | 3.5 | |
| Capiaction | 101 | 1,271 | 4 | 31 | 365 | 2,660 | 197 | 1,613 | 104 | 1,277 | 338 | 4,497 | 0 | 0 | 10 | 91 | 1,119 | 11,440 | | 10.2 | |
| Carrot | 60 | 696 | 15 | 149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 845 | | 11.3 | |
| Cassava | 33 | 81 | 14 | 11 | 60 | 69 | 5 | 10 | 1 | 5 | 7 | 38 | 0 | 0 | 0 | 0 | 13 | 53 | | 4.1 | |
| Cauliflower | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cowpea | 36 | 288 | 7 | 68 | 50 | 785 | 0 | 0 | 42 | 31 | 8 | 6 | 100 | 59 | 21 | 12 | 278 | 269 | | 1.0 | |
| Cucumber | 7 | 6 | 25 | 20 | 92 | 70 | 268 | 167 | 188 | 159 | 210 | 179 | 255 | 218 | 111 | 95 | 1,156 | 914 | | 0.8 | |
| Dry Chili | 111 | 353 | 27 | 81 | 18 | 54 | 10 | 31 | 17 | 100 | 17 | 100 | 0 | 0 | 2 | 16 | 36 | 216 | | 6.0 | |
| Greatic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166 | 519 | | 3.1 | |
| Green Chili | 0 | 0 | 1 | 1 | 4 | 3 | 32 | 23 | 25 | 25 | 0 | 0 | 380 | 312 | 2 | 2 | 444 | 366 | | 0.8 | |
| Green Gram | 36 | 288 | 9 | 44 | 186 | 760 | 224 | 905 | 261 | 1,305 | 238 | 1,190 | 3 | 15 | 21 | 105 | 978 | 4,612 | | 4.7 | |
| Knol Khol | 238 | 179 | 12 | 8 | 144 | 78 | 198 | 133 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 592 | 398 | | 0.7 | |
| Karakkara | 4 | 50 | 0 | 0 | 24 | 115 | 0 | 0 | 2 | 20 | 3 | 30 | 20 | 220 | 9 | 90 | 62 | 525 | | 8.5 | |
| Large Onion | 121 | 1,452 | 1 | 9 | 136 | 1,551 | 163 | 2,677 | 13 | 185 | 65 | 1,280 | 0 | 0 | 6 | 80 | 505 | 7,234 | | 14.3 | |
| Leeks | 45 | 210 | 12 | 40 | 28 | 39 | 86 | 257 | 10 | 29 | 6 | 15 | 15 | 46 | 7 | 51 | 209 | 687 | | 3.3 | |
| Long Bean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0.0 | |
| Luffa | 204 | 204 | 11 | 11 | 100 | 102 | 311 | 311 | 15 | 140 | 3 | 34 | 14 | 187 | 18 | 210 | 174 | 1,279 | | 7.4 | |
| Maize | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0.0 | |
| Okra | 128 | 1,152 | 21 | 80 | 529 | 1,377 | 478 | 1,920 | 694 | 2,776 | 1,650 | 6,418 | 11 | 31 | 121 | 502 | 3,632 | 14,256 | | 3.9 | |
| Pole Bean | 6 | 67 | 4 | 32 | 380 | 5,422 | 444 | 7,371 | 1,953 | 21,681 | 3,924 | 40,922 | 0 | 0 | 475 | 4,913 | 7,186 | 80,408 | | 11.2 | |
| Pumpkin | 9 | 135 | 1 | 7 | 53 | 920 | 94 | 470 | 20 | 75 | 2 | 10 | 17 | 85 | 12 | 53 | 187 | 868 | | 4.6 | |
| Raddish | 66 | 660 | 22 | 212 | 320 | 2,439 | 165 | 1,241 | 78 | 692 | 121 | 1,126 | 22 | 203 | 30 | 265 | 824 | 6,888 | | 8.4 | |
| Red Onion | 14 | 210 | 11 | 70 | 43 | 43 | 9 | 9 | 30 | 30 | 40 | 40 | 20 | 20 | 75 | 75 | 1,035 | 1,092 | | 1.1 | |
| Snakegourd | 778 | 820 | 92 | 107 | 106 | 440 | 109 | 830 | 447 | 3,780 | 571 | 5,700 | 28 | 160 | 96 | 751 | 1,412 | 12,271 | | 8.7 | |
| Soy Bean | 46 | 552 | 9 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | | 0.0 | |
| Tobacco | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0.0 | |
| Tomato | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0.0 | |
| Total | 2,462 | 8,543 | 379 | 4,641 | 5,062 | 9,488 | 1,042 | 28,976 | 1,359 | 28,976 | 1,359 | 28,976 | 1,359 | 28,976 | 1,359 | 28,976 | 1,359 | 28,976 | | 2.7 | |

表 2.1-5 クラス別道路延長及び道路密度

| District | Division | Existing Road Length (km) | | | | Total (A+B+C+D) | Road Density | | |
|-----------------------|----------------|---------------------------|---------------|---------------|---------------|--------------------|-----------------------|-------------|------------|
| | | Class A | Class B | Class C | Class D | | (km/km ²) | (Popla/km) | |
| Kandy | Kundasale | 19.0 | 11.2 | 66.7 | 21.4 | 118.3 | 75.0 | 1.47 | 860 |
| | Meda Dumbara | 19.5 | 8.4 | 51.0 | 32.9 | 111.8 | 20.0 | 0.87 | 508 |
| | Uda Dumbara | 19.0 | 0.0 | 64.0 | 60.0 | 143.0 | 80.0 | 1.56 | 175 |
| Nuwara Eliya | Hanguranketa | 0.0 | 37.1 | 82.0 | 38.0 | 157.1 | 50.0 | 1.03 | 611 |
| | Walapane | 0.0 | 62.3 | 112.0 | 40.5 | 214.8 | 52.8 | 1.18 | 516 |
| Badulla | Uva Paranagama | 0.0 | 32.0 | 57.0 | 40.0 | 129.0 | 44.0 | 1.11 | 566 |
| | Haliela | 25.0 | 25.0 | 65.0 | 8.0 | 123.0 | 50.0 | 0.90 | 724 |
| | Welimada | 23.2 | 29.6 | 58.8 | 48.6 | 160.2 | 40.0 | 1.36 | 496 |
| | Kandakeiya | 0.0 | 10.0 | 30.0 | 65.0 | 105.0 | 100.0 | 0.87 | 225 |
| Total | | 105.7 | 215.6 | 586.5 | 354.4 | 1262.2 | 511.8 | 1.12 | 519 |
| The Study Area | | 1247.0 | 2030.3 | 3365.5 | 2762.5 | 9405.3 | 7350.6 | 0.80 | 557 |

表 2.1-6 郡別給水率

| District | Division | Total Families | Beneficiaries (Families) | | | | Total | Coverage Rate (%) |
|-----------------------|----------------|------------------|---------------------------|------------------------|------------------------|----------------|--------------|-------------------|
| | | | Piped Scheme Families (%) | Hand Pump Families (%) | Dug Well Families (%) | Total | | |
| Kandy | Kundasale | 19,080 | 1,950 (13.6%) | 5,900 (41.0%) | 6,530 (45.4%) | 14,380 | 75.4% | |
| | Meda Dumbara | 13,530 | 1,270 (19.9%) | 370 (5.8%) | 4,730 (74.3%) | 6,370 | 47.1% | |
| Nuwara Eliya | Uda Dumbara | 5,960 | 900 (25.9%) | 0 (0.0%) | 2,580 (74.1%) | 3,480 | 58.4% | |
| | Hanguranketa | 19,790 | 2,840 (28.6%) | 0 (0.0%) | 7,080 (71.4%) | 9,920 | 50.1% | |
| Badulla | Walapane | 20,520 | 2,430 (39.6%) | 0 (0.0%) | 3,710 (60.4%) | 6,140 | 29.9% | |
| | Uva Paranagama | 16,990 | 800 (17.5%) | 900 (19.7%) | 2,880 (62.9%) | 4,580 | 27.0% | |
| Kandaketiya | Haliela | 16,120 | 1,840 (30.1%) | 1,680 (27.5%) | 2,600 (42.5%) | 6,120 | 38.0% | |
| | Welimada | 18,870 | 2,280 (25.8%) | 180 (2.0%) | 6,380 (72.2%) | 8,840 | 46.8% | |
| | | 5,140 | 900 (32.1%) | 250 (8.9%) | 1,650 (58.9%) | 2,800 | 54.5% | |
| | Total | 136,000 | 15,210 (23.9%) | 9,280 (14.6%) | 39,140 (61.5%) | 63,630 | 46.8% | |
| The Study Area | | 1,077,028 | 128,757 (19.0%) | 91,739 (13.6%) | 455,659 (67.4%) | 676,155 | 62.8% | |

表 2.1-7 郡別電化率

| District | Division | Total Families | Consumers | | Electricity Line Density | |
|-----------------------|----------------|------------------|----------------|----------------|-------------------------------|-------------------------------|
| | | | Families | Rate (%) | MT Line (km/km ²) | LT Line (km/km ²) |
| Kandy | Kundasale | 19,080 | 9,650 | (50.6%) | 0.72 | 3.10 |
| | Meda Dumbara | 13,530 | 1,470 | (10.9%) | 0.33 | 0.37 |
| | Uda Dumbara | 5,960 | 1,000 | (16.8%) | 0.06 | 0.22 |
| Nuwara Eliya | Hanguranketa | 19,790 | 3,430 | (17.3%) | 0.36 | 0.66 |
| | Walapane | 20,520 | 2,440 | (11.9%) | 0.25 | 0.45 |
| Badulla | Uva Paranagama | 16,990 | 4,970 | (29.3%) | 0.27 | 1.56 |
| | Haliela | 16,120 | 4,490 | (27.9%) | 0.34 | 1.28 |
| | Welimada | 18,870 | 5,710 | (30.3%) | 0.33 | 2.08 |
| | Kandaketiya | 5,140 | 1,190 | (23.2%) | 0.20 | 0.38 |
| Total | | 136,000 | 34,350 | (25.3%) | 0.28 | 1.02 |
| The Study Area | | 1,077,028 | 250,630 | (23.3%) | 0.20 | 0.68 |

表 2.2-1 候補道路リスト

| Case Study Area-I District | Division | Serial No. | Name of Agricultural Feeder Roads | Class | Length (km) | |
|----------------------------|----------------|--------------|--|---|-------------|------|
| Kandy | Kundasale | I-1 | Orutota-Naranpanawa Rd | E | 7.5 | |
| | | I-2 | Maluwegama-Karagastenna (via Elamalpotha) Rd | C | 3.0 | |
| | | I-3 | Ihalagonagama-Udagama-Menikhinna Rd | D | 4.0 | |
| | Sub-total | | | | | 14.5 |
| | Meda Dumbara | | I-4 | Udispattuwa-Rethiyagama-Medideniya Rd | E | 7.0 |
| | | | I-5 | Werapitiya-Elliyadda Rd | E | 2.0 |
| | Sub-total | | | | | 9.0 |
| | Uda Dumbara | | I-6 | Loolwatta-Corbets Gap-Mcemura Rd | E | 17.1 |
| | | | I-7 | Madugalla-Kalawala-Pitigoda-Pamunutenna Rd | D,E | 10.0 |
| | | | I-8 | Rangala-Corbets Gap Rd | D | 11.5 |
| | Sub-total | | | | | 38.6 |
| | Nuwara Eliya | Hanguranketa | I-9 | Manrara-Mandarannuwara Rd | E | 6.0 |
| | | | I-10 | Kinulpe-Bambaragama-Karamiddula-Kirimetiya Rd | E | 9.0 |
| | | | I-11 | Kosgahadebala-Unantenna Rd | D | 3.0 |
| I-12 | | | Handawalapitiya-Wetastenna-Deipathkada Rd | E | 6.0 | |
| I-13 | | | Kinulpola-Sitiyathagama-Medempitiya(Agapolla) Rd | E | 5.0 | |
| I-14 | | | Pallebowala-Medagama Rd | E | 3.0 | |
| Sub-total | | | | | | 32.0 |
| Walapane | | I-15 | Teripehe-Bolagandawela (Uma oya) Rd (to Kandaketiya Div.) | E | 6.7 | |
| | | I-16 | Teripehe-Randenigala Rd | E | 6.0 | |
| | | I-17 | Yaimadura-Bolagandawela (Uma oya) Rd (to Kandaketiya Div.) | E | 6.0 | |
| | | I-18 | Rupaha-Kurupanawela Rd | E | 4.0 | |
| | | I-19 | Panditagekumbura-Rupaha Rd | E | 4.0 | |
| | | Sub-total | | | | |
| Badulla | Uva Paranagama | I-20 | Hakgala-Medawela-Udunuwara-Amherst Rd | E | 20.2 | |
| | | I-21 | Bambarapana-Horatota Rd (to Haliela Div.) | E | 9.1 | |
| | | I-22 | Yahalawara-Metiwala Kanda-Looruwatta Rd | C | 10.0 | |
| | | I-23 | Hathkinda-Godunna (via Galaniha) Rd | C | 10.0 | |
| Sub-total | | | | | 49.3 | |
| Haliela | | I-24 | Ketawela-Panakanniya-Horatota Rd (to Uva Paranagama Div.) | E | 8.2 | |
| | | I-25 | Ettampitiya-Horatota Rd (to Uva Paranagama Div.) | E | 4.0 | |
| | | I-26 | Bogoda-Halaba Rd | D | 5.0 | |
| Sub-total | | | | | 17.2 | |
| Welimada | | I-27 | Borlanda-Kandepuhpola-Rahangala-Wangiyakumbura Rd | E | 8.0 | |
| | | I-28 | Tawana-Kirwelbedda-Warwick-Ambewela rail station Rd | E | 6.0 | |
| | | I-29 | Kirindela-Getalagamuwa-Alawatugoda Rd | E | 4.0 | |
| | | I-30 | Galedanda-Aluthwela Rd | E | 5.0 | |
| | | I-31 | Sapukade-Ambagahakumbura-Welimada Rd | E | 2.0 | |
| Sub-total | | | | | 25.0 | |
| Kandaketiya | | I-32 | Tithawelkandura-Balagandawela Rd (to Walapane Div.) | E | 4.0 | |
| | | I-33 | Kandaketiya-Raja Mawatha-Mahakele Rd | D | 6.0 | |
| | | I-34 | Karametiya-Kandaketiya-Kosgolla(Wasragama) Rd | C,E | 10.0 | |
| Sub-total | | | | | 20.0 | |
| Case Study Area-I Total | | | | | 232.3 | |

表 2.2-2 優先プロジェクト道路

| Casestudy Area-I District | Division | Serial No. | Name of Agricultural Feeder road | Class | Length (km) |
|-------------------------------|----------------|------------|---|-------|----------------|
| Kandy | Kundasale | I-1 | Orutota-Naranpanawa Rd | E | 7.5 |
| | | I-4 | Udispattuwa-Retiyaagama-Metideniya Rd | E | 7.0 |
| | Uda Dumbara | I-6 | Loolwatta-Corbets Gap-Meemura Rd | E | 17.1 |
| | | I-7 | Madugalla-Kalawala-Pitiigoda-Pamunutenna Rd | D, E | 10.0 |
| Nuwara Eliya | Hanguranketa | I-9 | Maturata-Mandarannuwara Rd | E | 6.0 |
| | | I-10 | Kitulpe-Bambaragama-Karamiddula-Kinimetiya Rd | E | 9.0 |
| | Walapane | I-15 | Teripehe-Bolagandawela (Uma oya) Rd (to Kandaketiya Div.) | E | 6.7 |
| | | I-16 | Teripehe-Randenigala Rd | E | 6.0 |
| Badulla | Uva Paranagama | I-20 | Hakgala-Medawela-Udunawara-Amherst Rd | E | 20.2 |
| | | I-21 | Bambarapana-Horatota Rd (to Haliela Div.) | E | 9.1 |
| | Haliela | I-24 | Ketawela-Panakanniya-Horatota Rd (to Uva Paranagama Div.) | E | 8.2 |
| | | I-25 | Ettampitiya-Horatota Rd (to Uva Paranagama Div.) | E | 4.0 |
| | Welimada | I-27 | Boralanda-Kandepuhipola-Rahangala-Wangiyakumbura Rd | E | 8.0 |
| | | I-28 | Tawana-Kiriwelbedda-Warwick-Ambewela rail station Rd | E | 6.0 |
| | Kandeketiya | I-32 | Tithawelkandura-Bolagandawela Rd (to Walapane Div.) | E | 4.0 |
| | | | | | |
| Casestudy Area-I Total | | | | | 128.8 |

表 2.3-1 優先プロジェクト道路の現況

| Serial No. | Class | District | Division | Benefited Grama Niladhari Divisions | Total Length (km) | Tarred fair | Road Condition (km) | Foot-path | Maxiam Average Slope(%) | Existing Bridge (Nos.) |
|-------------------------|-------|--------------|----------------|--|-------------------|-------------|---------------------|-----------|-------------------------|------------------------|
| I-1 | E | Kandy | Kandásale | 1.Cruitiola, 2.Maluwegama, 3.Narantpanawa | 7.5 | 0.0 | 0.0 | 2.5 | 2.3 | 0 |
| I-4 | E | Kandy | Meda Dumbara | 1.Kurukchogama, 2.Retiyaagama, 3.Kandekumbura, 4.Haiyalwela, 5.Namadagoda, 6.Metideniya | 7.0 | 2.8 | 0.6 | 1.6 | 6.0 | 5 |
| I-6 | E | Kandy | Uda Dumbara | 1.Karabakeetiya, 2.Kumbukgolla, 3.Pusseela, 4.Kalkawala, 5.Meemura | 17.1 | 0.0 | 8.7 | 8.4 | 8.8 | 5 |
| I-7 | D, E | Kandy | Uda Dumbara | 1.Madugalla, 2.Kalawala, 3.Pitigoda, 4.Pamunutenna, 5.Ganegala | 10.0 | 0.0 | 1.3 | 2.9 | 10.0 | 0 |
| I-9 | E | Nuwara Eliya | Hanguranketa | 1.Ampitigoda, 2.Wellagiriya, 3.Madibambiya, 4.Labuhenwela | 6.0 | 0.0 | 0.0 | 4.9 | 9.0 | 3 |
| I-10 | E | Nuwara Eliya | Hanguranketa | 1.Kimilpe, 2.Pallabowela, 3.Bambaragama, 4.Karamiddula, 5.Kirimetiya | 9.0 | 0.0 | 4.0 | 3.7 | 6.9 | 3 |
| I-15 | E | Nuwara Eliya | Walapane | 1.Terpehe, 2.Bolagandawela | 6.7 | 0.6 | 0.0 | 2.0 | 7.9 | 0 |
| I-32 | E | Badulla | Kandeketiya | 1.Tihawelkandura, 2.Dikkumbura | 4.0 | 0.0 | 0.0 | 2.2 | 4.3 | 1 |
| I-16 | E | Nuwara Eliya | Walapane | 1.Terpehe, 2.Mallagama, 3.Hegasulla, 4.Ambagahathenna, 5.Dulana | 6.0 | 0.0 | 0.0 | 0.0 | 9.8 | 0 |
| I-20 | E | Badulla | Uva Paranagama | 1.Boragas, 2.Galahagama, 3.Telhawadigama, 4.Medawela, 5.Karagahaupota, 6.Hangunnawa, 7.Dimbulwala, 8.Kordekubura, 9.Mlapolagama, | 20.2 | 5.3 | 10.9 | 4.0 | 8.4 | 9 |
| I-21 | E | Badulla | Uva Paranagama | 1.Bambarapana, 2.Pitiyekumbura, 3.Panagoda, 4.Tuppiya | 9.1 | 0.0 | 0.2 | 3.8 | 11.1 | 0 |
| I-24 | E | Badulla | Haliela | 1.Ketawela, 2.Landewela, 3.Bogoda, 4.Panakanniya | 8.2 | 0.0 | 3.0 | 3.7 | 13.8 | 0 |
| I-25 | E | Badulla | Haliela | 1.Gawela, 2.Tuppiya | 4.0 | 0.0 | 0.0 | 1.5 | 5.3 | 1 |
| I-27 | E | Badulla | Welimada | 1.Wangiyakumbura, 2.Kandepahupola, 3.Boralanda | 8.0 | 0.0 | 1.3 | 6.7 | 3.0 | 2 |
| I-28 | E | Badulla | Welimada | 1.Ambewela | 6.0 | 0.0 | 3.3 | 1.7 | 9.0 | 0 |
| Case Study Area-I Total | | | | | 128.8 | 8.7 | 33.3 | 49.6 | 37.2 | 29 |

表 2.3-2 優先プロジェクト道路の工事数量

| Serial No. | District | Division | Class | Total Length (m) | Road Pavement (m) | | | Side drain (m) | | Culvert (Nos.) | | Bridge | | Causeway | | Retaining wall (m) | | Road | | Existing | | Earth Work | | Land Acquisition (m ²) | | |
|------------------------|--------------|----------------|-------|------------------|-------------------|----------|--------|----------------|--------|----------------|-----|--------|--------|----------|-------|--------------------|--------|--------|--------|----------|-------|-------------------|---------|------------------------------------|-----------|---------|
| | | | | | Type-A | Type-B | Type-C | Type-D | Type-I | Type-II | Box | Pipe | Stream | L=5m | L=10m | River | Type-a | Type-b | Type-c | Winding | Place | Benches | Cut | | Bank | |
| | | | | Concrete | | Unlining | | W=2m | | W=3m | | e600 | | | | (H=3m) | | (H=5m) | | (Nos.) | | (m ³) | | (m ²) | | |
| I-1 | Kandy | Kundasale | E | 7,500 | 0 | 7,500 | 0 | 0 | 1,035 | 6,465 | 6 | 1 | 25 | 0 | 0 | 0 | 0 | 480 | 0 | 0 | 25 | 0 | 41,600 | 20,750 | 55,550 | 43,400 |
| I-4 | Kandy | Meda Dumbara | E | 7,000 | 0 | 4,200 | 1,800 | 1,000 | 1,000 | 6,000 | 5 | 0 | 20 | 1 | 5 | 2 | 0 | 700 | 200 | 2 | 24 | 5 | 36,128 | 13,280 | 45,584 | 32,132 |
| I-6 | Kandy | Uda Dumbara | E | 17,055 | 785 | 16,270 | 0 | 0 | 11,305 | 5,750 | 14 | 7 | 78 | 0 | 1 | 1 | 0 | 1,450 | 1,600 | 26 | 57 | 5 | 104,590 | 69,720 | 149,507 | 129,697 |
| I-7 | Kandy | Uda Dumbara | D,E | 10,000 | 1,200 | 5,300 | 3,400 | 0 | 3,170 | 6,730 | 3 | 2 | 43 | 0 | 0 | 2 | 100 | 1,200 | 250 | 2 | 34 | 0 | 53,872 | 24,070 | 70,266 | 52,918 |
| I-9 | Nuwara Eliya | Hanguranketa | E | 6,000 | 0 | 6,000 | 0 | 0 | 1,000 | 5,000 | 5 | 3 | 20 | 0 | 2 | 1 | 0 | 510 | 570 | 5 | 20 | 3 | 43,952 | 40,670 | 69,206 | 67,838 |
| I-10 | Nuwara Eliya | Hanguranketa | E | 9,000 | 1,100 | 7,900 | 0 | 0 | 2,900 | 6,100 | 7 | 3 | 30 | 0 | 0 | 1 | 0 | 700 | 100 | 7 | 30 | 3 | 52,496 | 30,710 | 72,638 | 60,074 |
| I-15 | Nuwara Eliya | Walapane | E | 6,665 | 1,780 | 4,210 | 0 | 575 | 3,090 | 3,475 | 4 | 5 | 19 | 0 | 0 | 1 | 100 | 700 | 100 | 4 | 23 | 0 | 36,153 | 16,600 | 47,472 | 36,037 |
| I-32 | Badulla | Kandeketiya | E | 3,980 | 495 | 3,485 | 0 | 0 | 1,280 | 2,700 | 1 | 1 | 17 | 0 | 0 | 1 | 0 | 650 | 150 | 0 | 14 | 1 | 25,290 | 18,260 | 36,937 | 33,004 |
| I-16 | Nuwara Eliya | Walapane | E | 6,000 | 250 | 5,750 | 0 | 0 | 3,500 | 2,500 | 4 | 2 | 25 | 0 | 3 | 0 | 0 | 500 | 0 | 0 | 20 | 0 | 48,000 | 49,800 | 78,600 | 80,400 |
| I-20 | Badulla | Uva Paranagama | E | 20,220 | 1,495 | 10,500 | 6,550 | 1,675 | 10,095 | 10,125 | 10 | 2 | 59 | 0 | 0 | 1 | 0 | 1,500 | 200 | 15 | 68 | 9 | 102,070 | 33,200 | 126,363 | 85,716 |
| I-21 | Badulla | Uva Paranagama | E | 9,105 | 2,580 | 6,425 | 0 | 0 | 4,580 | 4,425 | 5 | 0 | 34 | 0 | 1 | 8 | 100 | 1,550 | 350 | 3 | 31 | 0 | 53,318 | 31,540 | 73,971 | 61,424 |
| I-24 | Badulla | Haliela | E | 8,245 | 520 | 7,725 | 0 | 0 | 3,445 | 4,800 | 4 | 0 | 47 | 0 | 0 | 0 | 0 | 700 | 200 | 8 | 28 | 0 | 49,234 | 30,710 | 69,195 | 58,579 |
| I-25 | Badulla | Haliela | E | 4,000 | 250 | 3,750 | 0 | 0 | 1,700 | 2,300 | 2 | 0 | 20 | 0 | 1 | 0 | 0 | 340 | 100 | 4 | 14 | 1 | 22,800 | 12,450 | 31,050 | 25,050 |
| I-27 | Badulla | Welimada | E | 8,000 | 300 | 7,700 | 0 | 0 | 1,250 | 6,750 | 8 | 2 | 20 | 0 | 3 | 1 | 0 | 200 | 0 | 0 | 27 | 2 | 59,216 | 55,610 | 93,698 | 92,354 |
| I-28 | Badulla | Welimada | E | 6,000 | 1,600 | 4,400 | 0 | 0 | 2,800 | 3,200 | 10 | 4 | 15 | 0 | 0 | 2 | 0 | 650 | 100 | 8 | 20 | 0 | 32,176 | 14,110 | 41,878 | 31,294 |
| Casestudy Area I Total | | | | 128,770 | 12,355 | 101,115 | 11,750 | 3,250 | 52,150 | 76,320 | 88 | 32 | 472 | 1 | 16 | 21 | 300 | 11,830 | 3,920 | 84 | 435 | 29 | 760,895 | 461,480 | 1,062,015 | 889,917 |

表2.3-3 優先農地保全プロジェクトの工事数量 (1/2)

| Description of Works | Unit | Length(m) | Quantity | Foreign Cur'cy(Rs.) | | Local Cur'cy(Rs.) | | Total Cost (Rs.) | |
|---|--------|-----------|----------|---------------------|-----------|-------------------|-----------|------------------|-----------|
| | | | | Unit P. | Amount | Unit P. | Amount | Unit P. | Amount |
| A Bench Terracing (2.5m) | | 578 | | | 673,286 | | 1,587,259 | | 2,260,545 |
| (1) Earth works | m3 | - | 6,509 | 77.90 | 258,000 | 33.30 | 110,279 | 111.20 | 368,280 |
| a) Excavation for retaining wall | m3 | - | 3,484 | 48.70 | 169,680 | 20.80 | 72,471 | 69.50 | 242,151 |
| b) Backfill | m3 | - | 3,025 | 29.20 | 88,320 | 12.50 | 37,808 | 41.70 | 126,129 |
| (2) Retaining wall works (masonry) | m3 | - | 749 | 404.90 | 303,072 | 1,619.80 | 1,212,436 | 2,024.70 | 1,515,508 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 112,214 | - | 264,543 | - | 376,758 |
| B. Intercepting Drain | | 2,719 | | | 11,917 | | 5,090 | | 17,007 |
| (1) Earth works (excavation) | m3 | - | 204 | 48.70 | 9,931 | 20.80 | 4,242 | 69.50 | 14,173 |
| (2) Miscellaneous works (20% of (1)) | set | - | - | - | 1,986 | - | 848 | - | 2,835 |
| C-1 Collecting Drain (0.9x0.9m) | | 17 | | | 8,751 | | 21,447 | | 30,198 |
| (1) Earth works | m3 | - | 69 | 77.90 | 3,162 | 33.30 | 1,351 | 111.20 | 4,513 |
| a) Excavation | m3 | - | 59 | 48.70 | 2,889 | 20.80 | 1,234 | 69.50 | 4,123 |
| b) Backfill | m3 | - | 9 | 29.20 | 273 | 12.50 | 117 | 41.70 | 390 |
| (2) Rubble riprap | m3 | - | 10 | 404.90 | 4,130 | 1,619.80 | 16,522 | 2,024.70 | 20,652 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 1,458 | - | 3,575 | - | 5,033 |
| C-2 Collecting Drain (0.8x0.7m) | | 174 | | | 77,599 | | 193,262 | | 270,861 |
| (1) Earth works | m3 | - | 596 | 77.90 | 27,326 | 33.30 | 11,674 | 111.20 | 39,000 |
| a) Excavation | m3 | - | 509 | 48.70 | 24,786 | 20.80 | 10,586 | 69.50 | 35,372 |
| b) Backfill | m3 | - | 87 | 29.20 | 2,540 | 12.50 | 1,088 | 41.70 | 3,628 |
| (2) Rubble riprap | m3 | - | 92 | 404.90 | 37,340 | 1,619.80 | 149,378 | 2,024.70 | 186,718 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 12,933 | - | 32,210 | - | 45,144 |
| C-3 Collecting Drain (0.7x0.7m) | | 175 | | | 72,273 | | 182,792 | | 255,065 |
| (1) Earth works | m3 | - | 541 | 77.90 | 24,799 | 33.30 | 10,594 | 111.20 | 35,393 |
| a) Excavation | m3 | - | 462 | 48.70 | 22,499 | 20.80 | 9,610 | 69.50 | 32,109 |
| b) Backfill | m3 | - | 79 | 29.20 | 2,300 | 12.50 | 984 | 41.70 | 3,284 |
| (2) Rubble riprap | m3 | - | 88 | 404.90 | 35,429 | 1,619.80 | 141,733 | 2,024.70 | 177,161 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 12,046 | - | 30,465 | - | 42,511 |
| C-4 Collecting Drain (0.5x0.5m) | | 74 | | | 25,809 | | 67,556 | | 93,365 |
| (1) Earth works | m3 | - | 181 | 77.90 | 8,324 | 33.30 | 3,556 | 111.20 | 11,880 |
| a) Excavation | m3 | - | 155 | 48.70 | 7,568 | 20.80 | 3,232 | 69.50 | 10,800 |
| b) Backfill | m3 | - | 26 | 29.20 | 756 | 12.50 | 324 | 41.70 | 1,080 |
| (2) Rubble riprap | m3 | - | 33 | 404.90 | 13,184 | 1,619.80 | 52,741 | 2,024.70 | 65,924 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 4,302 | - | 11,259 | - | 15,561 |
| D. River Protection Works | | 8 | | | 25,942 | | 90,573 | | 116,515 |
| (1) Earth works | m3 | - | 69 | 77.90 | 3,080 | 33.30 | 1,316 | 111.20 | 4,396 |
| a) Excavation | m3 | - | 55 | 48.70 | 2,679 | 20.80 | 1,144 | 69.50 | 3,823 |
| b) Backfill | m3 | - | 14 | 29.20 | 402 | 12.50 | 172 | 41.70 | 573 |
| (2) Gabion works | m3 | - | 36 | 514.95 | 18,538 | 2,060.05 | 74,162 | 2,575.00 | 92,700 |
| (3) Miscellaneous works (20% of (1) to (3)) | m3 | - | - | - | 4,324 | - | 15,096 | - | 19,419 |
| E. Project Cost of SALT Method | | 2,141 | | | 47,219 | | 190,934 | | 238,153 |
| (1) Random rubble masonry works | m3 | - | 193 | 202.45 | 39,010 | 809.90 | 156,060 | 1,012.35 | 195,070 |
| (2) Tree Planting | m3 | - | 193 | 1.76 | 339 | 15.84 | 3,052 | 17.60 | 3,391 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 7,870 | - | 31,822 | - | 39,692 |
| Sub-total | | | | | 942,797 | | 2,338,914 | | 3,281,711 |
| F. Road Protection Works | | 120 | | | 523,753 | | 1,211,348 | | 1,735,102 |
| (1) Earth works | m3 | - | 5,150 | 77.90 | 206,154 | 33.30 | 88,115 | 111.20 | 294,269 |
| a) Excavation for retaining wall | m3 | - | 2,860 | 48.70 | 139,263 | 20.80 | 59,480 | 69.50 | 198,742 |
| b) Backfill | m3 | - | 2,291 | 29.20 | 66,891 | 12.50 | 28,635 | 41.70 | 95,526 |
| (2) Retaining wall works (masonry) | m3 | - | 569 | 404.90 | 230,307 | 1,619.80 | 921,342 | 2,024.70 | 1,151,649 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 87,292 | - | 201,891 | - | 289,184 |
| Grand Total | | | | | 1,466,551 | | 3,550,262 | | 5,016,813 |
| Total Area | ha | 3.38 | | | | | | | |
| Unit Cost per ha (Sub-total/Total Area) | Rs./ha | | | | 278,934 | | 691,986 | | 970,920 |

表2.3-3 優先農地保全プロジェクトの工事数量 (2/2)

| Description of Works | Unit | Length(m) | Quantity | Foreign Cur'cy(Rs.) | | Local Cur'cy(Rs.) | | Total Cost (Rs.) | |
|---|--------|-----------|----------|---------------------|------------------|-------------------|------------------|------------------|------------------|
| | | | | Unit P. | Amount | Unit P. | Amount | Unit P. | Amount |
| A Bench Terracing (3.0m) | | 620 | - | - | 883,275 | - | 2,358,071 | - | 3,241,345 |
| (1) Earth works | m3 | - | 7,025 | 77.90 | 274,152 | 33.30 | 117,191 | 111.20 | 391,343 |
| a) Excavation for retaining wall | m3 | - | 3,540 | 48.70 | 172,408 | 20.80 | 73,636 | 69.50 | 246,044 |
| b) Backfill | m3 | - | 3,484 | 29.20 | 101,744 | 12.50 | 43,555 | 41.70 | 145,299 |
| (2) Retaining wall works (masonry) | m3 | - | 1,141 | 404.90 | 461,910 | 1,619.80 | 1,847,868 | 2,024.70 | 2,309,778 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 147,212 | - | 393,012 | - | 540,224 |
| B. Intercepting Drain | | 2,494 | - | - | 5,830 | - | 2,490 | - | 8,320 |
| (1) Earth works (excavation) | m3 | - | 100 | 48.70 | 4,858 | 20.80 | 2,075 | 69.50 | 6,933 |
| (2) Miscellaneous works (20% of (1)) | set | - | - | - | 972 | - | 415 | - | 1,387 |
| C-1 Collecting Drain (0.8x0.8m) | | 108 | - | - | 50,004 | - | 124,491 | - | 174,495 |
| (1) Earth works | m3 | - | 383 | 77.90 | 17,619 | 33.30 | 7,527 | 111.20 | 25,145 |
| a) Excavation | m3 | - | 329 | 48.70 | 16,042 | 20.80 | 6,852 | 69.50 | 22,893 |
| b) Backfill | m3 | - | 54 | 29.20 | 1,577 | 12.50 | 675 | 41.70 | 2,252 |
| (2) Rubble riprap | m3 | - | 59 | 404.90 | 24,051 | 1,619.80 | 96,216 | 2,024.70 | 120,267 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 8,334 | - | 20,749 | - | 29,082 |
| C-2 Collecting Drain (0.7x0.7m) | | 261 | - | - | 107,790 | - | 272,621 | - | 380,411 |
| (1) Earth works | m3 | - | 806 | 77.90 | 36,986 | 33.30 | 15,800 | 111.20 | 52,786 |
| a) Excavation | m3 | - | 689 | 48.70 | 33,556 | 20.80 | 14,332 | 69.50 | 47,888 |
| b) Backfill | m3 | - | 117 | 29.20 | 3,430 | 12.50 | 1,468 | 41.70 | 4,898 |
| (2) Rubble riprap | m3 | - | 131 | 404.90 | 52,839 | 1,619.80 | 211,384 | 2,024.70 | 264,223 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 17,965 | - | 45,437 | - | 63,402 |
| C-3 Collecting Drain (0.6x0.6m) | | 50 | - | - | 18,237 | - | 46,855 | - | 65,092 |
| (1) Earth works | m3 | - | 133 | 77.90 | 6,087 | 33.30 | 2,600 | 111.20 | 8,688 |
| a) Excavation | m3 | - | 113 | 48.70 | 5,503 | 20.80 | 2,350 | 69.50 | 7,854 |
| b) Backfill | m3 | - | 20 | 29.20 | 584 | 12.50 | 250 | 41.70 | 834 |
| (2) Rubble riprap | m3 | - | 23 | 404.90 | 9,110 | 1,619.80 | 36,446 | 2,024.70 | 45,556 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 3,039 | - | 7,809 | - | 10,849 |
| D. Project Cost of SALT Method | | 1,874 | - | - | 47,760 | - | 193,120 | - | 240,880 |
| (1) Random rubble masonry works | m3 | - | 195 | 202.45 | 39,457 | 809.90 | 157,846 | 1,012.35 | 197,303 |
| (2) Tree Planting | m3 | - | 195 | 1.76 | 343 | 15.84 | 3,087 | 17.60 | 3,430 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 7,960 | - | 32,187 | - | 40,147 |
| Grand Total | | | | | 1,112,895 | | 2,997,648 | | 4,110,543 |
| Total Area | ha | 2.42 | - | - | - | - | - | - | - |
| Unit Cost per ha (Sub-total/Total Area) | Rs./ha | | | | 459,874 | | 1,238,698 | | 1,698,571 |

表3.1-1 郡別経済活動人口及びセクター別雇用状況

Case Study Area II

| Division | Labour Force | | Econ.Active Population | | Total Employed | Percent Employed | Employment by Sector | | | | | Percent Unemployed | |
|--------------|----------------|----------------|------------------------|----------------|----------------|------------------|----------------------|---------------|---------------|--------------|--------------|--------------------|--------------|
| | Male | Female | Total | Female | | | Agric | Est.Labour | Industry | Trading | Services | | Other |
| Aranayake | 23,179 | 23,402 | 46,581 | 30,278 | 12,020 | 40 | 7,300 | 2,600 | 1,050 | 750 | 320 | 1,200 | 60.30 |
| Yatiyanota | 32,780 | 32,703 | 65,483 | 42,564 | 30,710 | 72 | 5,656 | 6,512 | 4,104 | 872 | 836 | 12,730 | 27.85 |
| Dehiowita | 23,880 | 24,237 | 48,117 | 31,276 | 23,275 | 74 | 1,883 | 11,807 | 1,857 | 694 | 900 | 6,134 | 25.58 |
| Deraniyagala | 16,863 | 16,581 | 33,444 | 21,739 | 12,655 | 58 | 340 | 5,700 | 2,600 | 445 | 320 | 3,250 | 41.79 |
| Eheliyagoda | 21,678 | 20,199 | 41,877 | 27,220 | 15,983 | 59 | 30 | 1,991 | 4,680 | 1,273 | 1,574 | 6,435 | 41.28 |
| Kuruwita | 37,558 | 38,270 | 75,828 | 49,288 | 32,299 | 66 | 13,350 | 12,860 | 2,179 | 1,076 | 1,542 | 1,292 | 34.47 |
| Ayagama | 17,856 | 18,144 | 36,000 | 23,400 | 9,914 | 42 | 2,500 | 1,585 | 1,124 | 600 | 105 | 4,000 | 57.63 |
| Elapatha | 8,964 | 8,804 | 17,768 | 11,549 | 8,802 | 76 | 3,795 | 451 | 1,110 | 1,829 | 221 | 1,396 | 23.79 |
| Total | 182,758 | 182,340 | 365,098 | 237,314 | 146,858 | 62 | 34,854 | 43,506 | 18,704 | 7,539 | 5,818 | 36,437 | 38.12 |

Source: Divisional Resource Profiles; Inventory Survey (1993)

表3.1-2 社会厚生・教育・福祉関連施設一覽

| Division | Gross Area (a) km ² | Population (b) | Number of Schools | | | | Density Setis/1,000Pa 1000x(c)/(b) | km ² /school (a)/(c) | Number of Hospitals | | | | | | | Number of Total Beds (c) | Density Hops/1,000Pa 1000x(b)/(e) | Beds/1,000Pa 1000x(c)/(e) | | | | |
|--------------|-----------------------------------|-------------------|-------------------|--------|--------------------|--------------------|--|------------------------------------|---------------------|-------|--------------------|---------------|------|----------------|--------------------|--------------------------------|---|------------------------------|-------------------|---------------|---------------------|-------|
| | | | Primary School | | Junior high School | Senior high School | | | College | Total | Central Dispensary | Home Hospital | | Rural Hospital | Periphery Hospital | | | | District Hospital | Base Hospital | Provincial Hospital | Total |
| | | | School | School | School | | | | (c) | Bank | | Bank | Bank | Bank | Bank | | | | Bank | Bank | Bank | Bank |
| Eheliyagoda | 139.0 | 63,764 | 2 | 24 | 10 | 1 | 37 | 0.6 | 3.8 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 262 | 0.02 | 4.11 | |
| Kuruwita | 263.1 | 109,141 | 17 | 23 | 10 | 3 | 53 | 0.5 | 5.0 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 5 | 10 | 0.05 | 0.09 | |
| Elaipatha | 55.1 | 34,766 | NA | 6 | 3 | 0 | 9 | 0.3 | 6.1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0.06 | 0.00 | |
| Ayagama | 63.0 | 26,724 | NA | 21 | 3 | 1 | 25 | 0.9 | 2.5 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 36 | 0.07 | 1.35 | |
| Aranyalaka | 117.2 | 65,241 | 30 | 17 | 7 | 1 | 55 | 0.8 | 2.1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 180 | 0.06 | 2.76 | |
| Yatiyantota | 243.6 | 94,560 | 38 | 31 | 9 | 1 | 79 | 0.8 | 3.1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 124 | 0.04 | 1.31 | | |
| Deraniyagala | 217.6 | 46,842 | NA | 39 | 5 | 1 | 45 | 1.0 | 4.8 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 98 | 0.06 | 1.99 | | |
| Dehiowita | 230.0 | 71,820 | 37 | 16 | 12 | 0 | 65 | 0.9 | 3.5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 10 | 0.03 | 0.14 | | |

| Division | Gross Area (a) km ² | Population (b) | Number of Post Offices | | Density km ² /P.O. (a)/(c) | Number of Telephones (d) | Density Population/Tele. (b)/(d) | Banking | | | | Commercial Bank | Rural Bank | Co-operative Savings Bank | Co-op Primas | Co-op Primas | |
|--------------|-----------------------------------|-------------------|------------------------|------------|---|--------------------------------|--|---------|------|------|------|-----------------|------------|------------------------------|-----------------|-----------------|------|
| | | | General P.O. | Sub Office | | | | Total | Bank | Bank | Bank | | | | | | Bank |
| | | | P.O. | | | | | (c) | Bank | Bank | Bank | | | | | | Bank |
| Eheliyagoda | 139.0 | 63,764 | 3 | 13 | 16 | NA | - | 2 | 4 | 16 | 1 | 21 | | | | | |
| Kuruwita | 263.1 | 109,141 | 3 | 14 | 17 | 95 | 1,148.9 | 4 | 8 | 15 | 1 | 22 | | | | | |
| Elaipatha | 55.1 | 34,766 | 0 | 7 | 7 | NA | - | 1 | 2 | 5 | 14 | 16 | | | | | |
| Ayagama | 63.0 | 26,724 | 0 | 10 | 10 | 12 | 2,227.0 | 1 | | 14 | | | | | | | |
| Aranyalaka | 117.2 | 65,241 | 1 | 10 | 11 | 68 | 959.4 | 3 | 2 | 11 | 2 | 63 | | | | | |
| Yatiyantota | 243.6 | 94,560 | 1 | 10 | 11 | 152 | 622.1 | 2 | | | | | | | | | |
| Deraniyagala | 217.6 | 46,842 | 1 | 10 | 11 | 64 | 731.9 | 2 | | | | | | | | | |
| Dehiowita | 230.0 | 71,820 | 1 | 20 | 21 | 76 | 945.0 | 2 | | 17 | 2 | 18 | | | | | |

表3.1-3 郡別シーズン別水稲生産量

| Kegalle | Extent to be Sown | | | | Net Extent to be Sown | | | | Yield mt/ha | | | | Production (mt) | | | | | | | | | |
|--------------------|-------------------|-------|---------|-------|-----------------------|-------|---------|-------|-------------|-------|---------|-------|-----------------|--------|---------|-------|---------|-------|---------|--------|-------|--|
| | Major | | Minor | | Major | | Minor | | Major | | Minor | | Major | | Minor | | Major | | Minor | | | |
| | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | | |
| ASC Area | 532 | 922 | 130 | 263 | 494 | 855 | 121 | 244 | 3.5 | 3.5 | 1,729 | 2,993 | 284 | 488 | 84 | 265 | 662 | 1,101 | 1,763 | 4,722 | | |
| Aranayake | 532 | 922 | 130 | 263 | 494 | 855 | 121 | 244 | 3.5 | 3.5 | 1,729 | 2,993 | 284 | 488 | 84 | 265 | 662 | 1,101 | 1,763 | 4,722 | | |
| Dehiowita | 30 | 135 | 30 | 135 | 28 | 126 | 28 | 126 | 3.0 | 2.1 | 84 | 265 | 84 | 265 | 84 | 265 | 84 | 265 | 84 | 265 | 349 | |
| Deraniyagala | 223 | 396 | 223 | 396 | 207 | 267 | 207 | 267 | 3.2 | 3.0 | 662 | 1,101 | 662 | 1,101 | 662 | 1,101 | 662 | 1,101 | 662 | 1,101 | 1,763 | |
| Yatiyantota | | | | | | | | | | | | | | | | | | | | | | |
| Maha Season | 0 | 915 | 1,716 | 2,631 | 0 | 850 | 1,492 | 2,342 | | | 0 | 2,759 | 4,847 | 7,606 | | | | | | | | |
| Total | 532 | 918 | 130 | 263 | 494 | 851 | 121 | 244 | 3.5 | 3.5 | 1,729 | 2,978 | 280 | 488 | 42 | 233 | 646 | 951 | 1,597 | 4,707 | | |
| Aranayake | 532 | 918 | 130 | 263 | 494 | 851 | 121 | 244 | 3.5 | 3.5 | 1,729 | 2,978 | 280 | 488 | 42 | 233 | 646 | 951 | 1,597 | 4,707 | | |
| Dehiowita | 16 | 100 | 16 | 100 | 15 | 93 | 15 | 93 | 2.8 | 2.5 | 42 | 233 | 42 | 233 | 42 | 233 | 42 | 233 | 42 | 233 | 275 | |
| Deraniyagala | 218 | 390 | 218 | 390 | 202 | 317 | 202 | 317 | 3.2 | 3.0 | 646 | 951 | 646 | 951 | 646 | 951 | 646 | 951 | 646 | 951 | 1,597 | |
| Yatiyantota | | | | | | | | | | | | | | | | | | | | | | |
| Yala Season | 0 | 896 | 1,671 | 2,567 | 0 | 830 | 1,505 | 2,335 | | | 0 | 2,697 | 4,650 | 7,347 | | | | | | | | |
| Total | 0 | 896 | 1,671 | 2,567 | 0 | 830 | 1,505 | 2,335 | | | 0 | 2,697 | 4,650 | 7,347 | | | | | | | | |
| Ratnapura District | | | | | | | | | | | | | | | | | | | | | | |
| | Extent to be Sown | | | | Net Extent to be Sown | | | | Yield mt/ha | | | | Production (mt) | | | | | | | | | |
| | Major | | Minor | | Major | | Minor | | Major | | Minor | | Major | | Minor | | Major | | Minor | | | |
| ASC Area | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | Rainfed | Total | | |
| Eheliyagoda | 660 | 314 | 1,183 | 1,423 | 555 | 263 | 1,171 | 1,401 | 3.5 | 2.8 | 1,943 | 737 | 3,483 | 3,097 | 476 | 1,180 | 694 | 2,350 | 852 | 2,680 | | |
| Kuruwita | 140 | 2,353 | 140 | 2,353 | 119 | 2,155 | 119 | 2,116 | 3.5 | 2.6 | 3,483 | 3,097 | 476 | 1,180 | 694 | 2,350 | 852 | 2,680 | 2,680 | 6,580 | | |
| Elapatha | 660 | 314 | 660 | 314 | 555 | 263 | 555 | 263 | 4.0 | 2.8 | 1,943 | 737 | 3,483 | 3,097 | 476 | 1,180 | 694 | 2,350 | 852 | 2,680 | | |
| Ayagama | 109 | 244 | 109 | 244 | 92 | 204 | 92 | 204 | 3.5 | 2.6 | 322 | 530 | 322 | 530 | 322 | 530 | 322 | 530 | 322 | 852 | | |
| Maha Season | 140 | 2,353 | 140 | 2,353 | 119 | 2,155 | 119 | 2,116 | 3.5 | 2.6 | 3,483 | 3,097 | 476 | 1,180 | 694 | 2,350 | 852 | 2,680 | 2,680 | 6,580 | | |
| Total | 660 | 314 | 660 | 314 | 555 | 263 | 555 | 263 | 4.0 | 2.8 | 1,943 | 737 | 3,483 | 3,097 | 476 | 1,180 | 694 | 2,350 | 852 | 2,680 | | |
| Eheliyagoda | 660 | 314 | 660 | 314 | 555 | 263 | 555 | 263 | 3.3 | 2.7 | 1,828 | 705 | 2,916 | 2,709 | 362 | 951 | 582 | 1,895 | 742 | 5,625 | | |
| Kuruwita | 1,157 | 1,255 | 1,157 | 1,255 | 972 | 1,042 | 972 | 1,042 | 3.0 | 2.6 | 2,916 | 2,709 | 362 | 951 | 582 | 1,895 | 742 | 5,625 | 5,625 | 11,895 | | |
| Elapatha | 135 | 378 | 135 | 378 | 113 | 224 | 113 | 224 | 3.2 | 2.6 | 362 | 951 | 362 | 951 | 362 | 951 | 362 | 951 | 362 | 951 | | |
| Ayagama | 100 | 235 | 100 | 235 | 84 | 196 | 84 | 196 | 3.0 | 2.5 | 252 | 490 | 252 | 490 | 252 | 490 | 252 | 490 | 252 | 742 | | |
| Yala Season | 135 | 2,295 | 135 | 2,074 | 113 | 1,927 | 113 | 1,723 | 3.63 | 3.763 | 362 | 5,947 | 4,486 | 10,795 | | | | | | | | |
| Total | 135 | 2,295 | 135 | 2,074 | 113 | 1,927 | 113 | 1,723 | 3.63 | 3.763 | 362 | 5,947 | 4,486 | 10,795 | | | | | | | | |

表3.1-4 クラス別道路延長及び道路密度

| Case Study Area-II | | Existing Road Length (km) | | | | Road Density | | | |
|-----------------------|--------------|---------------------------|---------------|---------------|---------------|--------------------|---------------|-------------------------------------|------------|
| District | Division | Class A | Class B | Class C | Class D | Total (A+B+C+D) | Class E | (km/km ²) (Popla/km) | |
| Kegalle | Aranayake | 0.0 | 20.0 | 19.5 | 26.0 | 65.5 | 67.0 | 0.61 | 996 |
| | Yatiantota | 25.0 | 25.0 | 60.0 | 60.0 | 170.0 | 93.0 | 0.83 | 556 |
| | Dehiowita | 13.6 | 29.1 | 27.4 | 21.0 | 91.1 | 97.7 | 0.40 | 788 |
| Ratnapura | Deraniyagala | 0.0 | 27.8 | 27.1 | 46.8 | 101.7 | 40.0 | 0.66 | 461 |
| | Eheliyagoda | 15.0 | 25.0 | 65.2 | 7.5 | 112.7 | 122.0 | 0.99 | 566 |
| The Study Area | Kuruwita | 45.0 | 4.0 | 77.0 | 10.0 | 136.0 | 152.0 | 0.59 | 803 |
| | Ayagama | 0.0 | 32.0 | 22.0 | 64.0 | 118.0 | 45.0 | 0.97 | 226 |
| | Elapatha | 0.0 | 10.0 | 28.7 | 12.0 | 50.7 | 65.0 | 0.57 | 686 |
| Total | | 98.6 | 172.9 | 326.9 | 247.3 | 845.7 | 681.7 | 0.68 | 606 |
| The Study Area | | 1247.0 | 2030.3 | 3365.5 | 2762.5 | 9405.3 | 7350.6 | 0.80 | 557 |

表3.1-5 郡別給水率

| District | Division | Total Families | Beneficiaries (Families) | | | Total | Coverage Rate (%) |
|-----------------------|--------------|------------------|---------------------------|------------------------|------------------------|----------------|-------------------|
| | | | Piped Scheme Families (%) | Hand Pump Families (%) | Dug Well Families (%) | | |
| Kegalle | Aranayake | 16,080 | 1,200 (15.0%) | 480 (6.0%) | 6,300 (78.9%) | 7,980 | 49.6% |
| | Yatiyantota | 20,730 | 2,050 (20.0%) | 80 (0.8%) | 8,100 (79.2%) | 10,230 | 49.3% |
| | Dehiowita | 15,190 | 2,770 (25.6%) | 130 (1.2%) | 7,900 (73.1%) | 10,800 | 71.1% |
| Ramapura | Deraniyagala | 9,560 | 720 (13.6%) | 180 (3.4%) | 4,380 (83.0%) | 5,280 | 55.2% |
| | Eheliyagoda | 14,230 | 2,120 (21.0%) | 30 (0.3%) | 7,960 (78.7%) | 10,110 | 71.0% |
| | Kuruwita | 21,830 | 1,450 (11.4%) | 0 (0.0%) | 11,260 (88.6%) | 12,710 | 58.2% |
| The Study Area | Ayagama | 6,240 | 1,470 (38.4%) | 0 (0.0%) | 2,360 (61.6%) | 3,830 | 61.4% |
| | Elapatha | 7,510 | 1,270 (46.7%) | 60 (2.2%) | 1,390 (51.1%) | 2,720 | 36.2% |
| Total | | 111,370 | 13,050 (19.6%) | 960 (1.4%) | 52,550 (79.0%) | 66,560 | 59.8% |
| The Study Area | | 1,077,028 | 128,757 (19.0%) | 91,739 (13.6%) | 455,659 (67.4%) | 676,155 | 62.8% |

表3.1-6 郡別電化率

| Case Study Area-II | | Division | Total Families | Consumers | | Electricity Line Density | |
|-----------------------|--------------|------------------|------------------------|-------------|-------------------------------|-------------------------------|--|
| District | Families | | | Rate(%) | MT Line (km/km ²) | LT Line (km/km ²) | |
| Kegalle | Aranayake | 16,080 | 2,420 (15.0%) | 0.35 | 0.99 | | |
| | Yatiyantota | 20,730 | 1,940 (9.4%) | 0.26 | 0.39 | | |
| | Dehiowita | 15,190 | 2,510 (16.5%) | 0.18 | 0.27 | | |
| Ranapura | Deraniyagala | 9,560 | 750 (7.8%) | 0.14 | 0.15 | | |
| | Eheliyagoda | 14,230 | 3,790 (26.6%) | 0.23 | 0.66 | | |
| | Kuruwita | 21,830 | 3,710 (17.0%) | 0.29 | 0.58 | | |
| Ayagama | | 6,240 | 380 (6.1%) | 0.03 | 0.16 | | |
| | Elapatha | 7,510 | 1,150 (15.3%) | 0.24 | 0.45 | | |
| Total | | 111,370 | 16,650 (15.0%) | 0.21 | 0.43 | | |
| The Study Area | | 1,077,028 | 250,630 (23.3%) | 0.20 | 0.68 | | |

表 3.2-1 候補道路リスト

| Case Study Area-II District | Division | Serial No. | Name of Agricultural Feeder Roads | Class | Length (km) |
|-----------------------------|--------------|------------|---|-------|-------------|
| Kegalle | Yatiantota | II-1 | Undugoda(Sooriyamalagama)-Yatideriya-Uduwa-Dedugala Rd | E | 8.5 |
| | | II-2 | Dolosbage-Petamapitiya Rd | E | 5.5 |
| | | II-3 | Kendawa-Doolgala-Polatagama Rd | E | 12.0 |
| | | II-4 | Jayawiddagama-Mugumiwila-Weiheela (via Polpitiya) Rd | E | 10.0 |
| | Sub-total | | | | 36.0 |
| Dehiowita | Dehiowita | II-5 | Murutettuwa-Kandewatta-Thinbiripola-Maniyangama Rd | E | 7.0 |
| | | II-6 | Attulgama-Kelegama-Napawela-Magarmana Rd | D | 10.0 |
| | | II-7 | Elaulla-Humpitikanda-Demada-Kosgahakanda Rd | E | 8.0 |
| | | II-8 | Thelumpitiya-Weiagalla-Bandara watta-Madola-Seethawake Rd | D | 10.0 |
| | Sub-total | | | | 35.0 |
| Deraniyagala | Deraniyagala | II-9 | Maiboda-Yatiwala Rd (to Kuruwita Div.) | E | 5.5 |
| | | II-10 | Talawa-Hingurana-Mahatenna-Polgaswatta Rd | E | 9.0 |
| | | II-11 | Pallebage-Lenudorakade-Nawala-Pahalagama Rd | E | 8.0 |
| | Sub-total | | | | 22.5 |
| Ratnapura | Eheliyagoda | II-12 | Mirmana-Miripola-Kiriporuwa-Erepola Rd | E | 11.5 |
| | | II-13 | Erepola-Kiriporuwa-Dammulla Rd | E | 5.5 |
| | | II-14 | Marabe-Huladdukanda-Jamburadeniya Rd | E | 2.5 |
| | | Sub-total | | | |
| Kuruwita | Kuruwita | II-15 | Kuruwita-Erathna-Yatiwala Rd (to Deraniyagala Div.) | C | 16.3 |
| | | II-16 | Kuruwita-Halpe-Gorakaela Rd | C | 9.5 |
| | | II-17 | Kandagala-Teppanwewa-Gorakawela Rd | C | 10.5 |
| | | II-18 | Ellawala-Pitakanda Rd | D | 9.0 |
| | Sub-total | | | | 45.3 |
| Ayagama | Ayagama | II-19 | Galatura-Ihalagalaura Rd | E | 4.7 |
| | | II-20 | Heraniyawaka-Nammuniyawatta-Medabeddara-Pallekade Rd | D | 13.5 |
| | | II-21 | Ayagama-Dumbara Manana-Ellagawa Rd | D | 23.0 |
| | | II-22 | Galatura-Kavichikanda-Kandewatta-Ayagama Rd | D | 12.0 |
| | Sub-total | | | | 53.2 |
| Elapatha | Elapatha | II-23 | Kotamulla-Raddella-Dambulwana-Kahawatta-Medagalaura Rd. | C,E | 8.0 |
| | | II-24 | Palawela-Millawitiya-Dimiyawa Rd | C | 8.0 |
| | Sub-total | | | | 16.0 |
| Case Study Area-II Total | | | | | 227.5 |

表 3.2-2 優先プロジェクト道路

| Casestudy Area-II District | Division | Serial No. ඊට්ඊඊ ^o | Class | Length (km) | | |
|--------------------------------|------------|-------------------------------|---|---|--|-----|
| Kegalle | Yatiantota | II-1 | Undugoda(Sooriyamalagama)-Yatideriya-Uduwa-Dedugala Rd | E | 8.5 | |
| | | II-2 | Dolosbage-Pelamapitiya Rd | E | 5.5 | |
| | Dehiowita | II-5 | Murutettuwa-Kandewatta-Thimbiripola-Maniyangama Rd | E | 7.0 | |
| | | Deraniyagala | II-9 | Maliboda-Yatiwala Rd (to Kuruwita Div.) | E | 5.5 |
| | | | Eheliyagoda | II-12 | Minnana-Mitipola-Kiriporuwa-Erepola Rd | E |
| Ramapura | Kuruwita | II-15 | Kuruwita-Erathna-Yatiwala Rd (to Deraniyagala Div.) | C | 16.3 | |
| | | Ayagama | II-19 | Galatura-Ihalagalatura Rd | E | 4.7 |
| | Elapatha | II-23 | Kotamulla-Raddella-Dambulwana-Kahawatta-Medagalatura Rd | C, E | 8.0 | |
| Casestudy Area-II Total | | | | | 67.0 | |

表 3.3-1 優先プロジェクト道路の現況

| Serial No. | Class | District | Division | Benefited Grama Niladhari Divisions | Total Length (km) | Road Condition (km) | | | Foot-path | Maximum Average Slope(%) | Existing Bridge (Nos) |
|--------------------------|-------|-----------|--------------|---|-------------------|---------------------|------|--------------------|-----------|--------------------------|-----------------------|
| | | | | | | Tarred fair | bad | Earth/Stone gravel | | | |
| II-1 | E | Kegalle | Yatiyantota | 1.Undugoda, 2.Sooniyamalgama, 3.Uduwa, 4.Dedugala | 8.5 | 3.9 | 2.1 | 2.5 | 0.0 | 6.0 | 4 |
| II-2 | E | Kegalle | Yatiyantota | 1.Dolosbage, 2.Weramawa, 3.Dedugala | 5.5 | 0.0 | 0.0 | 5.5 | 0.0 | 6.0 | 0 |
| II-5 | E | Kegalle | Dehiowita | 1.Algoda, 2.Batangala, 3.Thimbiripola, Maniyangama, 4.Galanbalaikada | 7.0 | 1.7 | 0.7 | 0.4 | 4.2 | - | 4 |
| II-9 | E | Kegalle | Deraniyagala | 1.Yaitwala, 2.Malboda | 5.5 | 0.0 | 0.0 | 5.5 | 0.0 | 5.3 | 0 |
| II-15 | C | Ratnapura | Kuruwita | 1.Kuruwita, 2.Ekmaligoda, 3.Soodagala, 4.Lasakanda, 5.Erathna | 16.3 | 3.7 | 6.8 | 5.8 | 0.0 | 7.6 | 10 |
| II-12 | E | Ratnapura | Eheliyagoda | 1.Minnana, 2.Iddamaligoda, 3.Miipola, 4.Kiriporuwa, 5.Erepola | 11.5 | 3.7 | 4.5 | 3.3 | 0.0 | 7.4 | 3 |
| II-19 | E | Ratnapura | Ayagama | 1.Galatura, 2.Pahalagalatura | 4.7 | 0.0 | 0.5 | 0.0 | 4.2 | 0.6 | 0 |
| II-23 | C, E | Ratnapura | Elapatha | 1.Kotamulla, 2.Karangoda, 3.Raddella, 4.Dambulwana, 5.Kahawatta, 6.Galatura | 8.0 | 1.9 | 0.5 | 5.6 | 0.0 | - | 3 |
| Case Study Area-II Total | | | | | 67.0 | 14.9 | 15.1 | 28.6 | 8.4 | 32.9 | 24 |

表 3.3-2 優先プロジェクト道路の工事数量

| Serial District No. | Division | Total Length (m) | Road Pavement (m) | | | Side drain (m) | | Culvert (Nos.) | | Bridge | | Causeway | | Retaining wall (m) | | Road | | Passing Existing | | Earth Work | | Land Acquisition (m ²) | | |
|---------------------------|-----------|------------------|-------------------|--------|--------|----------------|--------|----------------|-----|--------|------|----------|------|--------------------|--------|--------|----------|------------------|----------|------------|---------|------------------------------------|---------|---------|
| | | | Type-A | Type-B | Type-C | Type-D | Type-I | Type-II | Box | Pipe | Beam | Stream | L=5m | L=10m | Type-a | Type-b | Widening | Place | Br/Cause | Cut | Bank | | | |
| II-1 | Kegalle | 8,500 | 500 | 4,500 | 3,500 | 0 | 2,300 | 6,200 | 15 | 3 | 20 | 0 | 2 | 2 | 0 | 1,000 | 300 | 7 | 29 | 4 | 18,360 | 0 | 19,380 | 8,415 |
| II-2 | Kegalle | 5,500 | 500 | 4,000 | 1,000 | 0 | 1,300 | 4,200 | 6 | 4 | 15 | 0 | 0 | 0 | 0 | 500 | 100 | 3 | 19 | 0 | 11,880 | 0 | 12,540 | 5,445 |
| II-5 | Kegalle | 7,000 | 0 | 6,000 | 1,000 | 0 | 1,000 | 6,000 | 2 | 2 | 20 | 2 | 2 | 4 | 0 | 450 | 0 | 1 | 24 | 4 | 39,648 | 34,860 | 61,404 | 59,052 |
| II-9 | Kegalle | 5,525 | 0 | 5,525 | 0 | 0 | 750 | 4,775 | 5 | 0 | 57 | 0 | 0 | 0 | 0 | 500 | 300 | 1 | 19 | 0 | 11,934 | 0 | 12,597 | 5,470 |
| II-15 | Ratnapura | 16,300 | 0 | 4,950 | 9,825 | 1,525 | 4,025 | 12,275 | 9 | 2 | 36 | 0 | 0 | 0 | 0 | 700 | 200 | 1 | 55 | 10 | 35,208 | 0 | 37,164 | 16,137 |
| II-12 | Ratnapura | 11,500 | 75 | 8,625 | 2,800 | 0 | 1,750 | 9,750 | 17 | 5 | 25 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 39 | 3 | 24,840 | 0 | 26,220 | 11,385 |
| II-19 | Ratnapura | 4,710 | 0 | 4,710 | 0 | 0 | 650 | 4,060 | 9 | 2 | 12 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 16 | 0 | 34,702 | 34,860 | 56,183 | 56,785 |
| II-23 | Ratnapura | 8,000 | 200 | 7,800 | 0 | 0 | 1,500 | 6,500 | 7 | 1 | 20 | 1 | 1 | 0 | 0 | 600 | 300 | 0 | 27 | 3 | 17,280 | 0 | 18,240 | 7,920 |
| Cases Study Area II Total | | 67,035 | 1,275 | 46,110 | 18,125 | 1,525 | 13,275 | 53,760 | 70 | 19 | 205 | 3 | 5 | 6 | 0 | 4,350 | 1,200 | 13 | 228 | 24 | 193,852 | 69,720 | 243,728 | 170,609 |

表3.3-3 優先農地保全プロジェクトの工事数量

| Description of Works | Unit | Length(m) | Quantity | Foreign Cur'cy(Rs.) | | Local Cur'cy(Rs.) | | Total Cost (Rs.) | |
|---|--------|-----------|----------|---------------------|---------|-------------------|-----------|------------------|-----------|
| | | | | Unit P. | Amount | Unit P. | Amount | Unit P. | Amount |
| A Bench Terracing (2.5m) | | 482 | - | - | 500,466 | - | 1,297,563 | - | 1,798,029 |
| (1) Earth works | m3 | - | 4,189 | 77.90 | 164,320 | 33.30 | 70,240 | 111.20 | 234,560 |
| a) Excavation for retaining wall | m3 | - | 2,155 | 48.70 | 104,926 | 20.80 | 44,814 | 69.50 | 149,741 |
| b) Backfill | m3 | - | 2,034 | 29.20 | 59,394 | 12.50 | 25,426 | 41.70 | 84,819 |
| (2) Retaining wall works (masonry) | m3 | - | 624 | 404.90 | 252,735 | 1,619.80 | 1,011,063 | 2,024.70 | 1,263,797 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 83,411 | - | 216,261 | - | 299,671 |
| B. Intercepting Drain | | 1,839 | - | - | 4,299 | - | 1,836 | - | 6,135 |
| (1) Earth works (excavation) | m3 | - | 74 | 48.70 | 3,582 | 20.80 | 1,530 | 69.50 | 5,112 |
| (2) Miscellaneous works (20% of (1)) | set | - | - | - | 716 | - | 306 | - | 1,022 |
| C-1 Collecting Drain (0.9x0.9m) | | 136 | - | - | 70,007 | - | 171,580 | - | 241,587 |
| (1) Earth works | m3 | - | 549 | 77.90 | 25,299 | 33.30 | 10,808 | 111.20 | 36,107 |
| a) Excavation | m3 | - | 475 | 48.70 | 23,115 | 20.80 | 9,873 | 69.50 | 32,987 |
| b) Backfill | m3 | - | 75 | 29.20 | 2,184 | 12.50 | 935 | 41.70 | 3,119 |
| (2) Rubble riprap | m3 | - | 82 | 404.90 | 33,040 | 1,619.80 | 132,176 | 2,024.70 | 165,216 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 11,668 | - | 28,597 | - | 40,264 |
| C-2 Collecting Drain (0.8x0.8m) | | 120 | - | - | 55,560 | - | 138,324 | - | 193,883 |
| (1) Earth works | m3 | - | 426 | 77.90 | 19,576 | 33.30 | 8,363 | 111.20 | 27,939 |
| a) Excavation | m3 | - | 366 | 48.70 | 17,824 | 20.80 | 7,613 | 69.50 | 25,437 |
| b) Backfill | m3 | - | 60 | 29.20 | 1,752 | 12.50 | 750 | 41.70 | 2,502 |
| (2) Rubble riprap | m3 | - | 66 | 404.90 | 26,723 | 1,619.80 | 106,907 | 2,024.70 | 133,630 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 9,260 | - | 23,054 | - | 32,314 |
| C-3 Collecting Drain (0.7x0.7m) | | 68 | - | - | 28,083 | - | 71,028 | - | 99,111 |
| (1) Earth works | m3 | - | 210 | 77.90 | 9,636 | 33.30 | 4,117 | 111.20 | 13,753 |
| a) Excavation | m3 | - | 180 | 48.70 | 8,743 | 20.80 | 3,734 | 69.50 | 12,477 |
| b) Backfill | m3 | - | 31 | 29.20 | 894 | 12.50 | 383 | 41.70 | 1,276 |
| (2) Rubble riprap | m3 | - | 34 | 404.90 | 13,767 | 1,619.80 | 55,073 | 2,024.70 | 68,840 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 4,681 | - | 11,838 | - | 16,518 |
| D. Project Cost of SALT Method | | 1,357.00 | - | - | 31,923 | - | 129,085 | - | 161,008 |
| (1) Random rubble masonry works | m3 | - | 130.27 | 202.45 | 26,374 | 809.90 | 105,507 | 1,012.35 | 131,881 |
| (2) Tree Planting | m3 | - | 130.27 | 1.76 | 229 | 15.84 | 2,064 | 17.60 | 2,293 |
| (3) Miscellaneous works (20% of (1) to (2)) | set | - | - | - | 5,321 | - | 21,514 | - | 26,835 |
| Grand Total | | - | - | - | 690,337 | - | 1,809,416 | - | 2,499,753 |
| Total Area | ha | 2.14 | - | - | - | - | - | - | - |
| Unit Cost per ha (Grand Total/Total Area) | Rs./ha | - | - | - | 322,588 | - | 845,521 | - | 1,168,109 |

表 4.3-1 勞務費

| Category | Description | Wages per day (8 hrs) Rs. |
|---------------------|-------------------------------|------------------------------|
| Unskilled Labour | | 90.00 |
| Semi-skilled Labour | | 105.00 |
| Skilled Labour A | Ordinary | 120.00 |
| Skilled Labour B | Carpenters, Masons, Welders | 150.00 |
| Skilled Labour C | Construction Machine Operator | 230.00 |
| Mechanics | | 150.00 |

表 4.3-2 建設資材單價

| Materials | Specification/Size | Unit | Price(Rs.) | F/C (%) | L/C(%) |
|----------------------|-----------------------------|----------------|-------------|---------|--------|
| Cement | Normal Portland | 50kg | 175.00 | 60 | 40 |
| Reinforcement bar | Mild Steel | ton | 24,600.00 | 80 | 20 |
| | Tor Steel | ton | 26,750.00 | 80 | 20 |
| Aggregate | 50 mm | m ³ | 377.70 | 30 | 70 |
| | 38 mm | m ³ | 423.90 | 30 | 70 |
| | 25 mm | m ³ | 472.70 | 30 | 70 |
| | Sand | m ³ | 105.90 | 30 | 70 |
| Rubble Stone | 150 ~ 225 mm | m ³ | 284.70 | 30 | 70 |
| Shuttering Planks | Class II, 1"(25mm) | m ² | 190.00 | 30 | 70 |
| | Class I, 1"(25mm) | m ² | 300.00 | 30 | 70 |
| Brick | Class A | pcs | | 20 | 80 |
| Nail | Normal | kg | | 70 | 30 |
| Sand | for pipe laying | m ³ | 105.90 | 30 | 70 |
| | for slow sand filter(upper) | m ³ | 233.00 | 30 | 70 |
| | for slow sand filter(lower) | m ³ | 466.00 | 30 | 70 |
| PVC pipe | 25mm dia. | m | 19.50 | 70 | 30 |
| | 40 mm dia. | m | 38.60 | 70 | 30 |
| | 50 mm dia. | m | 51.60 | 70 | 30 |
| | 75 mm dia. | m | 122.30 | 70 | 30 |
| | 100 mm dia. | m | 277.70 | 70 | 30 |
| | 150 mm dia. | m | 392.40 | 70 | 30 |
| | 200mm dia. | m | 522.10 | 70 | 30 |
| | 250mm dia. | m | 810.00 | 70 | 30 |
| | 300mm dia. | m | 1,145.40 | 70 | 30 |
| Galvanized Iron Pipe | 40 mm dia. | m | 308.00 | 60 | 40 |
| | 50 mm dia. | m | 440.20 | 60 | 40 |
| | 65 mm dia. | m | 585.60 | 60 | 40 |
| | 80 mm dia. | m | 693.30 | 60 | 40 |
| | 100 mm dia. | m | 980.00 | 60 | 40 |
| | 125 mm dia. | m | 1,310.40 | 60 | 40 |
| | 150 mm dia. | m | 1,540.00 | 60 | 40 |
| Galvanized iron pipe | 250mm dia. | m | 2,000.00 | 60 | 40 |
| RCC Pipe | 6"(150mm) dia. | m | 226.00 | 60 | 40 |
| | 9"(220mm) dia. | m | 285.00 | 60 | 40 |
| | 12"(300mm) dia. | m | 384.00 | 60 | 40 |
| | 15"(380mm) dia. | m | 535.00 | 60 | 40 |
| | 18"(450mm) dia. | m | 614.00 | 60 | 40 |
| | 24"(600mm) dia. | m | 938.00 | 60 | 40 |
| | 30"(760mm) dia. | m | 1,466.00 | 60 | 40 |
| | 36"(910mm) dia. | m | 1,820.00 | 60 | 40 |
| | 42"(1,060mm) dia. | m | 2,172.00 | 60 | 40 |
| | 48"(1,220mm) dia. | m | 2,792.00 | 60 | 40 |
| | 54"(1,370mm) dia. | m | 3,248.00 | 60 | 40 |
| Collar for RCC Pipe | 6" dia. | each | 59.00 | 60 | 40 |
| | 9" | each | 73.00 | 60 | 40 |
| | 12" | each | 91.00 | 60 | 40 |
| | 15" | each | 154.00 | 60 | 40 |
| | 18" | each | 181.00 | 60 | 40 |
| | 24" | each | 249.00 | 60 | 40 |
| | 30" | each | 396.00 | 60 | 40 |
| | 36" | each | 441.00 | 60 | 40 |
| | 42" | each | 532.00 | 60 | 40 |
| | 48" | each | 675.00 | 60 | 40 |
| | 54" | each | 812.00 | 60 | 40 |
| Diesel | Heavy | l | 11.10 | 80 | 20 |
| | Auto | l | 11.50 | 80 | 20 |
| Gasoline(Petrol) | Regular | l | 30.00 | 80 | 20 |
| | Super | l | | 80 | 20 |
| Bitumen | 84/100 | l | 18.70 | 50 | 50 |
| Emulsion | CRS 2 | l | 14.60 | 50 | 50 |
| | CRS 1 | l | 13.30 | 50 | 50 |

表 4.3-3 工事单価

| Work | Specification | Unit | Cost (Rs.) | F/C (Rs.) | L/C (Rs.) | |
|-----------------------------|-----------------------------------|-----------|------------|------------|------------|------------|
| Excavation | Common | Mannual | m3 | 99.30 | 9.90 | 89.40 |
| | Common | Machinery | m3 | 54.80 | 38.40 | 16.40 |
| | Hard Soil | Mannual | m3 | 139.90 | 14.00 | 125.90 |
| | Hard Soil | Machinery | m3 | 69.50 | 48.70 | 20.80 |
| | Soft Rock | Mannual | m3 | 180.60 | 18.00 | 162.60 |
| | Soft Rock | Machinery | m3 | 84.30 | 59.00 | 25.30 |
| | Rock | Mannual | m3 | 293.50 | 29.40 | 264.10 |
| | Rock | Machinery | m3 | 229.60 | 160.70 | 68.90 |
| | Rock blasting | | m3 | 422.90 | 296.00 | 126.90 |
| Backfill | Common | | m3 | 41.70 | 29.20 | 12.50 |
| Embankment | Common, L=1.6 km | | m3 | 101.60 | 71.10 | 30.50 |
| Removal Soil | Common, L=1.6 km | | m3 | 32.50 | 22.80 | 9.70 |
| Levelling & trimming | for side drains | | m2 | 1.40 | 0.30 | 1.10 |
| Turfing | | | m2 | 13.80 | 2.10 | 11.70 |
| Reinforced Concrete | 1:2:4 (3/4), 210 kg/cm2, Mac | | m3 | 3,011.30 | 1,806.80 | 1,204.50 |
| | 1:2:4(1 1/2), -do.-, Mach | | m3 | 2,777.30 | 1,666.40 | 1,110.90 |
| Concrete | 1:3:6(1 1/2), 180kg/cm2, Man | | m3 | 2,585.60 | 1,551.40 | 1,034.20 |
| | 1:4:8, 150 kg/cm2, for leveling | | m3 | 2,337.10 | 1,402.30 | 934.80 |
| Mortar | 1/2" thick(13mm), 1: 3 | | m2 | 107.20 | 64.30 | 42.90 |
| Reinforcement | Mild Steel | | ton | 49,450.00 | 39,560.00 | 9,890.00 |
| | Tor Steel | | ton | 53,370.00 | 42,696.00 | 10,674.00 |
| Shuttering(Form) | for each 3 uses | | m2 | 230.40 | 69.10 | 161.30 |
| Brick Masonry | 1: 5 ct.mortar, structure | | m3 | 1,842.20 | 368.40 | 1,473.80 |
| Randam Rubble Masonry | 1: 5 ct.mortar, structure | | m3 | 2,024.70 | 404.90 | 1,619.80 |
| Gravel Bedding | | | m3 | 127.10 | 25.40 | 161.70 |
| Gravel Paving | incl.loading, spreading & rolling | | m3 | 212.60 | 42.50 | 170.10 |
| Rubble Paving | pitched pave, 6"(150mm)thick | | m2 | 106.00 | 21.20 | 84.80 |
| Surface course | 2 coats:3 little/m2 | | m2 | 62.40 | 18.70 | 43.70 |
| Base course | | | | | | |
| i) Concrete pavement | RCC:50kg/m3, L=4km | | m3 | 5,934.90 | 3,560.90 | 2,374.00 |
| | | | m2 | 774.00 | 415.00 | 359.00 |
| ii) Tarred pavement | 50mm(80%), 18mm(20%), L=8km | | m3 | 734.10 | 220.20 | 513.90 |
| Subbase course | 50mm dia, L=8km | | m3 | 684.00 | 205.20 | 478.80 |
| Breaking road surface | d=50mm | | m2 | 6.30 | 1.90 | 4.40 |
| Guard stone | | | nos | 240.80 | 48.20 | 192.60 |
| Handrail | | | m2 | 1,472.00 | 883.00 | 588.80 |
| Concrete pipe | 600mm dia. laying | | m | 1,755.00 | 1,053.00 | 702.00 |
| Standpost | | | nos | 1,812.90 | 725.20 | 1,087.70 |
| Pump set (with electricity) | | | nos | 500,000.00 | 400,000.00 | 100,000.00 |
| Pump hut | | | m2 | 10,000.00 | 7,000.00 | 3,000.00 |
| Pola building | Type-A | | m2 | 7,500.00 | 3,000.00 | 4,500.00 |
| | Type-B | | m2 | 9,000.00 | 3,600.00 | 5,400.00 |
| | Type-C | | m2 | 15,000.00 | 6,000.00 | 9,000.00 |
| | Type-D | | m2 | 15,000.00 | 6,000.00 | 9,000.00 |
| Office building | | | m2 | 12,000.00 | 4,800.00 | 7,200.00 |
| Storage | Vegitables | | m2 | 12,000.00 | 4,800.00 | 7,200.00 |
| | Fertilizer/Chemical | | m2 | 10,000.00 | 4,000.00 | 6,000.00 |
| | Paddy seed | | m2 | 10,000.00 | 4,000.00 | 6,000.00 |
| Garage | | | m2 | 7,500.00 | 3,000.00 | 4,500.00 |
| Fencing | H=1.8m | | m | 700.00 | 630.00 | 70.00 |

表 4.3-4 総事業費内訳

(Unit : 1,000 Rs.)

| Works | Total Cost | | Area-I | | Area-II | | Total |
|--|------------|-----------|---------|-----------|---------|---------|---------|
| | F/C | L/C | F/C | L/C | F/C | L/C | |
| I. Construction Cost | | | | | | | |
| (1) Irrigation | 156,652 | 78,863 | 111,807 | 53,203 | 44,845 | 25,660 | 70,505 |
| (2) Agricultural Feeder Road | 379,067 | 499,645 | 283,729 | 364,320 | 95,338 | 135,325 | 230,663 |
| (3) Rural Water Supply | 16,654 | 10,450 | 3,051 | 1,942 | 13,603 | 8,508 | 22,111 |
| (4) Agricultural Promotion & Supporting Plan | 192,075 | 153,707 | 99,653 | 93,182 | 92,422 | 60,525 | 152,947 |
| (5) Farm Land Conservation | 53,592 | 140,052 | 37,463 | 97,746 | 16,129 | 42,306 | 58,435 |
| Total of Construction Cost | 798,040 | 882,717 | 535,703 | 610,393 | 262,337 | 272,324 | 534,661 |
| II. Land Acquisition | 0 | 13,178 | 0 | 11,045 | 0 | 2,133 | 2,133 |
| III. Engineering Cost | 80,677 | 53,784 | 55,013 | 36,675 | 25,664 | 17,109 | 42,773 |
| IV. Administration Costs | 0 | 84,038 | 0 | 57,305 | 0 | 26,733 | 26,733 |
| Sub-Total (II-IV) | 80,677 | 151,000 | 55,013 | 105,025 | 25,664 | 45,975 | 71,639 |
| V. Physical Contingency | 119,707 | 132,408 | 80,356 | 91,559 | 39,351 | 40,849 | 80,200 |
| Sub-Total (I-V) | 998,424 | 1,166,125 | 671,072 | 806,977 | 327,352 | 359,148 | 686,500 |
| VI. Price Contingency | 86,376 | 401,020 | 45,555 | 218,005 | 40,821 | 183,015 | 223,836 |
| Grand Total | 1,084,800 | 1,567,145 | 716,627 | 1,024,982 | 368,173 | 542,163 | 910,336 |

表 4.3-5 ケーススタディ地区-I 事業費内訳

(Unit : 1,000 Rs.)

| Description | F/C | L/C | Total Cost |
|--|---------|-----------|------------|
| I. Construction Cost | | | |
| I-1 Irrigation | | | |
| (1) Uma Ela Irrigation Scheme Command Area 766.0ha | 111,807 | 53,203 | 165,010 |
| I-2 Agricultural Feeder Road | | | |
| (1) Orutota-Naranpanawa Rd.(I-1) Class E : 7.5 km | 11,894 | 14,761 | 26,655 |
| (2) Ratiyagama-Metideniya Rd.(I-4) Class E : 7.0 km | 12,208 | 17,541 | 29,749 |
| (3) Loolwatta-Meemuura Rd.(I-6) Class E : 17.1 km | 46,003 | 66,841 | 112,844 |
| (4) Madugalla-Pamunutena Rd.(I-7) Class D/E : 10.0 km, Ma oya crossing | 21,277 | 28,574 | 49,851 |
| (5) Maturata-Mandarannuwara Rd.(I-9) Class E : 6.0 km | 16,959 | 23,802 | 40,761 |
| (6) Kitulpe-Kirimetiya Rd.(I-10) Class E : 9.0 km | 18,283 | 21,783 | 40,066 |
| (7) Teripeha-Bolagandawela-Tithawelkandura Rd Class E : 10.7 km, (I-15 & 32) Uma oya crossing | 26,919 | 33,254 | 60,173 |
| (8) Teripeha-Randenigala Rd.(I-16) Class E : 6.0 km | 15,575 | 15,946 | 31,521 |
| (9) Hakgala-Amherst Rd.(I-20) Class E : 20.2 km | 31,838 | 40,805 | 72,643 |
| (10) Bambarapana-Horatota-Ketawela Rd. Class E : 17.3 km, (I-21 & 24) Uma oya crossing | 42,544 | 56,595 | 99,139 |
| (11) Ettampitiya-Horatota Rd.(I-25) Class E : 4.0 km | 7,774 | 10,584 | 18,358 |
| (12) Boralenda-Wangiyakumbura Rd.(I-27) Class E : 8.0 km | 17,230 | 16,546 | 33,776 |
| (13) Tawana-Ambewela RS Rd.(I-28) Class E : 6.0 km | 15,225 | 17,288 | 32,513 |
| Sub-Total | 283,729 | 364,320 | 648,049 |
| I-3 Rural Water Supply | | | |
| (1) Watumulla W/S Scheme Population : 1,780 | 3,051 | 1,942 | 4,993 |
| I-4 Agricultural Promotion & Supporting Plan | | | |
| (1) Produce Storage Facility Scheme | | | |
| Hanguranketa (600 ton storage) | 7,625 | 5,227 | 12,852 |
| Walapane (600 ton storage) | 7,625 | 5,227 | 12,852 |
| Uva Paranagama (2,000 ton storage) | 15,789 | 12,070 | 27,859 |
| Ambagasdowa (2,000 ton storage) | 15,789 | 12,070 | 27,859 |
| Bogahakumbura (2,400 ton storage) | 16,566 | 13,237 | 29,803 |
| Boralenda (2,400 ton storage) | 16,566 | 13,237 | 29,803 |
| sub-total | 79,960 | 61,068 | 141,028 |
| (2) Improvement Scheme of Pola Facility | | | |
| Uda Dumbara | 1,912 | 3,047 | 4,959 |
| Napolabokka | 7,977 | 13,155 | 21,132 |
| Welimada | 9,804 | 15,912 | 25,716 |
| sub-total | 19,693 | 32,114 | 51,807 |
| Total | 99,653 | 93,182 | 192,835 |
| I-5 Farm Land Conservation | | | |
| (1) Madugoda Priority Scheme Land Area : 50 ha | 14,470 | 35,811 | 50,281 |
| (2) Hakgala Priority Scheme Land Area : 50 ha | 22,993 | 61,935 | 84,928 |
| Total | 37,463 | 97,746 | 135,209 |
| I-6 Total of Construction Cost | 535,703 | 610,393 | 1,146,096 |
| II. Land Acquisition 89.07 ha | 0 | 11,045 | 11,045 |
| III. Engineering Cost | 55,013 | 36,675 | 91,688 |
| IV. Administration | 0 | 57,305 | 57,305 |
| Total (II-IV) | 55,013 | 105,025 | 160,038 |
| V. Physical Contingency | 80,356 | 91,559 | 171,915 |
| Total (I-V) | 671,072 | 806,977 | 1,478,049 |
| VI. Price contingency | 45,555 | 218,005 | 263,560 |
| Grand Total | 716,627 | 1,024,982 | 1,741,609 |

表 4.3-6 ケーススタディ地区-II 事業費内訳

(Unit : 1,000 Rs.)

| Description | F/C | L/C | Total Cost |
|---|---------|---------|------------|
| I. Construction Cost | | | |
| I-1 Irrigation | | | |
| (1) Damme Ela Irrigation Scheme Command Area 167.9 ha | 43,507 | 24,428 | 67,935 |
| (2) Issodanawela Irrigation Scheme Command Area 46.3 ha | 1,338 | 1,232 | 2,570 |
| Total | 44,845 | 25,660 | 70,505 |
| I-2 Agricultural Feeder Road | | | |
| (1) Undugoda-Dedugala Rd.(II-1) Class E : 8.5 km | 14,736 | 22,273 | 37,009 |
| (2) Dolosbage-Pelanpitiya Rd.(II-2) Class E : 5.5 km | 8,548 | 12,251 | 20,799 |
| (3) Muruttettuwa- Maniyangama Rd.(II-5) Class E : 7.0 km | 13,081 | 15,184 | 28,265 |
| (4) Maliboda-Yatiwala-Kuruwita Rd.(II-9 &15) Class C/E : 21.8 km | 23,344 | 39,004 | 62,348 |
| (5) Minnana-Erepola Rd.(II-12) Class E : 11.5 km | 13,299 | 16,395 | 29,694 |
| (6) Galatura-Ihalagaratura Rd.(II-19) Class E : 4.7 km | 11,092 | 11,068 | 22,160 |
| (7) Kotamulla-Medagalatura Rd.(II-23) Class C/E : 8.0 km | 11,238 | 19,150 | 30,388 |
| Total | 95,338 | 135,325 | 230,663 |
| I-3 Rural Water Supply | | | |
| (1) Kuruwita W/S Scheme Population : 9,924 | 13,603 | 8,508 | 22,111 |
| I-4 Agricultural Promotion & Supporting Plan | | | 0 |
| (1) Fertilizer & Agro-chemical Storage Facility Improvement Scheme | | | |
| Pelanpetiya | 4,028 | 1,056 | 5,084 |
| Eheliyagoda | 4,028 | 1,056 | 5,084 |
| Kuruwita | 4,028 | 1,056 | 5,084 |
| Dodampe | 4,028 | 1,056 | 5,084 |
| Gawaragiriya | 4,028 | 1,056 | 5,084 |
| sub-total | 20,140 | 5,280 | 25,420 |
| (2) Seed Paddy Storage Facility Improvement Scheme | | | |
| Eheliyagoda | 4,096 | 1,113 | 5,209 |
| Ayagama | 4,096 | 1,113 | 5,209 |
| Dumbara/Manana | 4,096 | 1,113 | 5,209 |
| Ketepola | 4,096 | 1,113 | 5,209 |
| sub-total | 16,384 | 4,452 | 20,836 |
| (3) Seed Paddy Multiplication Facility Improvement Scheme | | | |
| Karapincha DTC | 8,639 | 2,351 | 10,990 |
| (4) Agricultural Training Facilities Improvement Scheme | | | |
| Karapincha DTC | 12,481 | 9,864 | 22,345 |
| (5) Improvement Scheme of Pola Facility | | | |
| Yatiantota | 10,728 | 16,302 | 27,030 |
| Talduwa | 15,645 | 9,536 | 25,181 |
| Kuruwita | 8,405 | 12,740 | 21,145 |
| sub-total | 34,778 | 38,578 | 73,356 |
| Total | 92,422 | 60,525 | 152,947 |
| I-5 Farm Land Conservation | | | |
| (1) Pelanpitiya Priority Scheme Land area : 50 ha | 16,129 | 42,306 | 58,435 |
| I-6 Total of Construction Cost | 262,337 | 272,324 | 534,661 |
| II. Land Acquisition 17.20 ha | 0 | 2,133 | 2,133 |
| III. Engineering Cost | 25,664 | 17,109 | 42,773 |
| IV. Administration | 0 | 26,733 | 26,733 |
| Total (II-IV) | 25,664 | 45,975 | 71,639 |
| V. Physical Contingency | 39,351 | 40,849 | 80,200 |
| Total (I-V) | 327,352 | 359,148 | 686,500 |
| VI. Price contingency | 40,821 | 183,015 | 223,836 |
| Grand Total | 368,173 | 542,163 | 910,336 |

表 4.3-7 年度別事業費 (CASESTUDY AREA I & II)

| Works | (Unit : 1,000 Rs.) | | | | | | | | | | | | | | |
|-------------------------|--------------------|---------|---------|----------|---------|---------|----------|---------|---------|----------|---------|---------|-----------|-----------|-----------|
| | 1st year | | | 2nd year | | | 3rd year | | | 4th year | | | | | |
| | F/C | L/C | Total | F/C | L/C | Total | F/C | L/C | Total | F/C | L/C | Total | | | |
| I. Construction cost | | | | | | | | | | | | | | | |
| I-1 Irrigation | 44,723 | 21,281 | 66,004 | 67,084 | 31,922 | 99,006 | 17,403 | 9,771 | 27,174 | 27,442 | 15,889 | 43,331 | 156,652 | 78,863 | 235,515 |
| I-2 Agri.feeder road | 40,230 | 52,743 | 92,973 | 118,917 | 149,098 | 268,015 | 142,786 | 189,011 | 331,797 | 77,134 | 108,793 | 185,927 | 379,067 | 499,645 | 878,712 |
| I-3 Rural water supply | 0 | 0 | 0 | 0 | 0 | 0 | 3,051 | 1,942 | 4,993 | 13,603 | 8,508 | 22,111 | 16,654 | 10,450 | 27,104 |
| I-4 Agri.P/S plan | 9,888 | 9,324 | 19,212 | 61,869 | 59,761 | 121,630 | 49,614 | 41,843 | 91,457 | 70,704 | 42,779 | 113,483 | 192,075 | 153,707 | 345,782 |
| I-5 F/L Conservation | 3,832 | 10,322 | 14,154 | 21,573 | 57,582 | 79,155 | 14,746 | 36,893 | 51,639 | 13,441 | 35,255 | 48,696 | 53,592 | 140,052 | 193,644 |
| sub-total | 98,673 | 93,670 | 192,343 | 269,443 | 298,363 | 567,806 | 227,600 | 279,460 | 507,060 | 202,324 | 211,224 | 413,548 | 798,040 | 882,717 | 1,680,757 |
| II. Land acquisition | 0 | 5,523 | 5,523 | 0 | 5,522 | 5,522 | 0 | 2,133 | 2,133 | 0 | 0 | 0 | 0 | 13,178 | 13,178 |
| III. Engineering cost | 36,151 | 24,101 | 60,252 | 9,431 | 6,287 | 15,718 | 27,396 | 18,263 | 45,659 | 7,699 | 5,133 | 12,832 | 80,677 | 53,784 | 134,461 |
| IV. Administration | 0 | 17,192 | 17,192 | 0 | 20,056 | 20,056 | 0 | 28,076 | 28,076 | 0 | 18,713 | 18,713 | 0 | 84,037 | 84,037 |
| V. Physical contingency | 14,801 | 14,051 | 28,852 | 40,416 | 44,754 | 85,170 | 34,140 | 41,919 | 76,059 | 30,349 | 31,684 | 62,033 | 119,706 | 132,408 | 252,114 |
| sub-total (I-V) | 149,625 | 154,537 | 304,162 | 319,290 | 374,982 | 694,272 | 289,136 | 369,851 | 658,987 | 240,372 | 266,754 | 507,126 | 998,423 | 1,166,124 | 2,164,547 |
| VI. Price contingency | 4,788 | 17,926 | 22,714 | 20,754 | 91,871 | 112,625 | 28,624 | 144,242 | 172,866 | 32,210 | 146,981 | 179,191 | 86,376 | 401,020 | 487,396 |
| FC : 3.2%/year | | | | | | | | | | | | | | | |
| LC : 11.6%/year | | | | | | | | | | | | | | | |
| Total | 154,413 | 172,463 | 326,876 | 340,044 | 466,853 | 806,897 | 317,760 | 514,093 | 831,853 | 272,582 | 413,735 | 686,317 | 1,084,799 | 1,567,144 | 2,651,943 |

表6.3-1 各灌漑事業の経済事業費

| | (Unit: Rs. 1,000) | | | | | | | | | | |
|-------------------------|-------------------|--------|---------|--------|--------|-----------|--------|--------|------------|-----------|--|
| | 1994 | | | | | 1995 | | | | | |
| | F.C. | L.C. | T.C | F.C | L.C | Sub-Total | F.C | L.C | Sub-Total | Sub-Total | |
| Uma Ela | | | | | | | | | | | |
| I. Base Cost | | | | | | | | | | | |
| a) Construction Cost | 111,807 | 39,902 | 151,709 | 44,723 | 15,961 | 60,684 | 67,084 | 23,941 | 91,025.57 | | |
| b) Associatio Cost | 8,945 | 9,380 | 18,325 | 3,578 | 3,752 | 7,330 | 5,367 | 5,628 | 10,994.77 | | |
| c) Physical Contingency | 16,771 | 5,985 | 22,756 | 6,708 | 2,394 | 9,103 | 10,063 | 3,591 | 13,653.84 | | |
| Total | 137,523 | 55,268 | 192,790 | 55,009 | 22,107 | 77,116 | 82,514 | 33,161 | 115,674.18 | | |
| Damme Ela | | | | | | | | | | | |
| I. Base Cost | | | | | | | | | | | |
| a) Construction Cost | 43,507 | 18,321 | 61,828 | 17,403 | 7,329 | 24,731 | 26,104 | 10,993 | 37,096.89 | | |
| b) Associatio Cost | 3,481 | 4,013 | 7,494 | 1,392 | 1,605 | 2,998 | 2,088 | 2,408 | 4,496.29 | | |
| c) Physical Contingency | 6,526 | 2,748 | 9,274 | 2,610 | 1,099 | 3,710 | 3,916 | 1,649 | 5,564.53 | | |
| Total | 53,513 | 25,083 | 78,596 | 21,405 | 10,033 | 31,438 | 32,108 | 15,050 | 47,157.72 | | |
| Isscodawela | | | | | | | | | | | |
| I. Base Cost | | | | | | | | | | | |
| a) Construction Cost | 1,088 | 690 | 1,778 | 0 | 0 | 0 | 1,088 | 690 | 1,778.26 | | |
| b) Associatio Cost | 87 | 131 | 218 | 0 | 0 | 0 | 87 | 131 | 217.57 | | |
| c) Physical Contingency | 163 | 104 | 267 | 0 | 0 | 0 | 163 | 104 | 266.74 | | |
| Total | 1,338 | 924 | 2,263 | 0 | 0 | 0 | 1,338 | 924 | 2,262.57 | | |

表6.3-2 各灌漑事業の便益

| Item | Uma Ela | | | Danme Ela | | Issodanawela | |
|-------------------------------------|------------------------|---------------------------|---------------|------------------------|---------------------------|------------------------|---------------------------|
| | With Project Condition | Without Project Condition | | With Project Condition | Without Project Condition | With Project Condition | Without Project Condition |
| | | Irrigated | Rainfed | | | | |
| Cultivated Area (ha) | | | | | | | |
| Paddy | 366 | 170 | 173 | 336 | 184 | 92 | 45 |
| Potato | 766 | 259 | | | | | |
| Vegetables | 1,166 | 348 | 434 | | | | |
| Total | 2,298 | 777 | 607 | 336 | 184 | 92 | 45 |
| Economic Value (Rs. 1,000) | | | | | | | |
| Paddy | 5,746 | 2,669 | 952 | 5,275 | 1,198 | 1,444 | 170 |
| Potato | 55,193 | 39,057 | | | | | |
| Vegetables | 118,278 | 35,018 | 20,971 | | | | |
| Total | 179,217 | 76,744 | 21,923 | 5,275 | 1,198 | 1,444 | 170 |
| Economic Benefit (Rs. 1,000) | | | | | | | |
| Total | | | 80,550 | | 4,078 | | 1,275 |

表6.3-3 經濟費用及び便益表 (1/3)

Uma Ela (Unit: Rs.1,000)

| No | Year | Costs | | | Total (C) | Gross Benefit (B) | Balance (B-C) |
|----|------|---------|--------|-------------|--------------|-------------------------|------------------|
| | | Capital | O&M | Replacement | | | |
| 1 | 1994 | 77,116 | 0 | | 77,116 | 0 | -77,116 |
| 2 | 1995 | 115,674 | 0 | | 115,674 | -98,667 | -214,341 |
| 3 | 1996 | | 12,000 | | 12,000 | 56,385 | 44,385 |
| 4 | 1997 | | 12,000 | | 12,000 | 64,440 | 52,440 |
| 5 | 1998 | | 12,000 | | 12,000 | 72,495 | 60,495 |
| 6 | 1999 | | 12,000 | | 12,000 | 76,523 | 64,523 |
| 7 | 2000 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 8 | 2001 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 9 | 2002 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 10 | 2003 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 11 | 2004 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 12 | 2005 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 13 | 2006 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 14 | 2007 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 15 | 2008 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 16 | 2009 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 17 | 2010 | | 12,000 | 57,142 | 69,142 | 80,550 | 11,408 |
| 18 | 2011 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 19 | 2012 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 20 | 2013 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 21 | 2014 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 22 | 2015 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 23 | 2016 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 24 | 2017 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 25 | 2018 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 26 | 2019 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 27 | 2020 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 28 | 2021 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 29 | 2022 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 30 | 2023 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 31 | 2024 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 32 | 2025 | | 12,000 | 57,142 | 69,142 | 80,550 | 11,408 |
| 33 | 2026 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 34 | 2027 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 35 | 2028 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 36 | 2029 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 37 | 2030 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 38 | 2031 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 39 | 2032 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 40 | 2033 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 41 | 2034 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 42 | 2035 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 43 | 2036 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 44 | 2037 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 45 | 2038 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 46 | 2039 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 47 | 2040 | | 12,000 | 57,142 | 69,142 | 80,550 | 11,408 |
| 48 | 2041 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 49 | 2042 | | 12,000 | | 12,000 | 80,550 | 68,550 |
| 50 | 2043 | | 12,000 | | 12,000 | 80,550 | 68,550 |

NPV(10%) = 278,515 540,864 262,349

| | |
|------|---------|
| ITEM | |
| B-C | 262,349 |
| B/C | 1.94 |
| EIRR | 19.6% |

表6.3-3 経済費用及び便益表 (2/3)

Damme Ela (Unit: Rs.1,000)

| No | Year | Costs | | | Total (C) | Gross Benefit (B) | Balance (B-C) |
|----|------|---------|-----|-------------|--------------|-------------------------|------------------|
| | | Capital | O&M | Replacement | | | |
| 1 | 1996 | 31,438 | 0 | | 31,438 | 0 | -31,438 |
| 2 | 1997 | 47,158 | 0 | | 47,158 | -1,198 | -48,356 |
| 3 | 1998 | | 510 | | 510 | 2,855 | 2,345 |
| 4 | 1999 | | 510 | | 510 | 3,262 | 2,752 |
| 5 | 2000 | | 510 | | 510 | 3,670 | 3,160 |
| 6 | 2001 | | 510 | | 510 | 3,874 | 3,364 |
| 7 | 2002 | | 510 | | 510 | 4,078 | 3,568 |
| 8 | 2003 | | 510 | | 510 | 4,078 | 3,568 |
| 9 | 2004 | | 510 | | 510 | 4,078 | 3,568 |
| 10 | 2005 | | 510 | | 510 | 4,078 | 3,568 |
| 11 | 2006 | | 510 | | 510 | 4,078 | 3,568 |
| 12 | 2007 | | 510 | | 510 | 4,078 | 3,568 |
| 13 | 2008 | | 510 | | 510 | 4,078 | 3,568 |
| 14 | 2009 | | 510 | | 510 | 4,078 | 3,568 |
| 15 | 2010 | | 510 | | 510 | 4,078 | 3,568 |
| 16 | 2011 | | 510 | | 510 | 4,078 | 3,568 |
| 17 | 2012 | | 510 | 19,497 | 20,007 | 4,078 | -15,929 |
| 18 | 2013 | | 510 | | 510 | 4,078 | 3,568 |
| 19 | 2014 | | 510 | | 510 | 4,078 | 3,568 |
| 20 | 2015 | | 510 | | 510 | 4,078 | 3,568 |
| 21 | 2016 | | 510 | | 510 | 4,078 | 3,568 |
| 22 | 2017 | | 510 | | 510 | 4,078 | 3,568 |
| 23 | 2018 | | 510 | | 510 | 4,078 | 3,568 |
| 24 | 2019 | | 510 | | 510 | 4,078 | 3,568 |
| 25 | 2020 | | 510 | | 510 | 4,078 | 3,568 |
| 26 | 2021 | | 510 | | 510 | 4,078 | 3,568 |
| 27 | 2022 | | 510 | | 510 | 4,078 | 3,568 |
| 28 | 2023 | | 510 | | 510 | 4,078 | 3,568 |
| 29 | 2024 | | 510 | | 510 | 4,078 | 3,568 |
| 30 | 2025 | | 510 | | 510 | 4,078 | 3,568 |
| 31 | 2026 | | 510 | | 510 | 4,078 | 3,568 |
| 32 | 2027 | | 510 | 19,497 | 20,007 | 4,078 | -15,929 |
| 33 | 2028 | | 510 | | 510 | 4,078 | 3,568 |
| 34 | 2029 | | 510 | | 510 | 4,078 | 3,568 |
| 35 | 2030 | | 510 | | 510 | 4,078 | 3,568 |
| 36 | 2031 | | 510 | | 510 | 4,078 | 3,568 |
| 37 | 2032 | | 510 | | 510 | 4,078 | 3,568 |
| 38 | 2033 | | 510 | | 510 | 4,078 | 3,568 |
| 39 | 2034 | | 510 | | 510 | 4,078 | 3,568 |
| 40 | 2035 | | 510 | | 510 | 4,078 | 3,568 |
| 41 | 2036 | | 510 | | 510 | 4,078 | 3,568 |
| 42 | 2037 | | 510 | | 510 | 4,078 | 3,568 |
| 43 | 2038 | | 510 | | 510 | 4,078 | 3,568 |
| 44 | 2039 | | 510 | | 510 | 4,078 | 3,568 |
| 45 | 2040 | | 510 | | 510 | 4,078 | 3,568 |
| 46 | 2041 | | 510 | | 510 | 4,078 | 3,568 |
| 47 | 2042 | | 510 | 19,497 | 20,007 | 4,078 | -15,929 |
| 48 | 2043 | | 510 | | 510 | 4,078 | 3,568 |
| 49 | 2044 | | 510 | | 510 | 4,078 | 3,568 |
| 50 | 2045 | | 510 | | 510 | 4,078 | 3,568 |

78,596

NPV(10%) = 76,727

30,520

-46,206

| ITEM | (%) |
|------|---------|
| B-C | -46,206 |
| B/C | 0.40 |
| EIRR | 1.5% |

表6.3-3 經濟費用及び便益表 (3/3)

Issodanawela (Unit: Rs.1,000)

| No | Year | Costs | | | Total (C) | Gross Benefit (B) | Balance (B-C) |
|----|------|---------|-----|-------------|--------------|-------------------------|------------------|
| | | Capital | O&M | Replacement | | | |
| 1 | 1997 | 2,263 | 0 | | 2,263 | -165 | -2,428 |
| 2 | 1998 | | 150 | | 150 | 893 | 743 |
| 3 | 1999 | | 150 | | 150 | 1,020 | 870 |
| 4 | 2000 | | 150 | | 150 | 1,148 | 998 |
| 5 | 2001 | | 150 | | 150 | 1,211 | 1,061 |
| 6 | 2002 | | 150 | | 150 | 1,275 | 1,125 |
| 7 | 2003 | | 150 | | 150 | 1,275 | 1,125 |
| 8 | 2004 | | 150 | | 150 | 1,275 | 1,125 |
| 9 | 2005 | | 150 | | 150 | 1,275 | 1,125 |
| 10 | 2006 | | 150 | | 150 | 1,275 | 1,125 |
| 11 | 2007 | | 150 | | 150 | 1,275 | 1,125 |
| 12 | 2008 | | 150 | | 150 | 1,275 | 1,125 |
| 13 | 2009 | | 150 | | 150 | 1,275 | 1,125 |
| 14 | 2010 | | 150 | | 150 | 1,275 | 1,125 |
| 15 | 2011 | | 150 | | 150 | 1,275 | 1,125 |
| 16 | 2012 | | 150 | 225 | 375 | 1,275 | 900 |
| 17 | 2013 | | 150 | | 150 | 1,275 | 1,125 |
| 18 | 2014 | | 150 | | 150 | 1,275 | 1,125 |
| 19 | 2015 | | 150 | | 150 | 1,275 | 1,125 |
| 20 | 2016 | | 150 | | 150 | 1,275 | 1,125 |
| 21 | 2017 | | 150 | | 150 | 1,275 | 1,125 |
| 22 | 2018 | | 150 | | 150 | 1,275 | 1,125 |
| 23 | 2019 | | 150 | | 150 | 1,275 | 1,125 |
| 24 | 2020 | | 150 | | 150 | 1,275 | 1,125 |
| 25 | 2021 | | 150 | | 150 | 1,275 | 1,125 |
| 26 | 2022 | | 150 | | 150 | 1,275 | 1,125 |
| 27 | 2023 | | 150 | | 150 | 1,275 | 1,125 |
| 28 | 2024 | | 150 | | 150 | 1,275 | 1,125 |
| 29 | 2025 | | 150 | | 150 | 1,275 | 1,125 |
| 30 | 2026 | | 150 | | 150 | 1,275 | 1,125 |
| 31 | 2027 | | 150 | 225 | 375 | 1,275 | 900 |
| 32 | 2028 | | 150 | | 150 | 1,275 | 1,125 |
| 33 | 2029 | | 150 | | 150 | 1,275 | 1,125 |
| 34 | 2030 | | 150 | | 150 | 1,275 | 1,125 |
| 35 | 2031 | | 150 | | 150 | 1,275 | 1,125 |
| 36 | 2032 | | 150 | | 150 | 1,275 | 1,125 |
| 37 | 2033 | | 150 | | 150 | 1,275 | 1,125 |
| 38 | 2034 | | 150 | | 150 | 1,275 | 1,125 |
| 39 | 2035 | | 150 | | 150 | 1,275 | 1,125 |
| 40 | 2036 | | 150 | | 150 | 1,275 | 1,125 |
| 41 | 2037 | | 150 | | 150 | 1,275 | 1,125 |
| 42 | 2038 | | 150 | | 150 | 1,275 | 1,125 |
| 43 | 2039 | | 150 | | 150 | 1,275 | 1,125 |
| 44 | 2040 | | 150 | | 150 | 1,275 | 1,125 |
| 45 | 2041 | | 150 | | 150 | 1,275 | 1,125 |
| 46 | 2042 | | 150 | 225 | 375 | 1,275 | 900 |
| 47 | 2043 | | 150 | | 150 | 1,275 | 1,125 |
| 48 | 2044 | | 150 | | 150 | 1,275 | 1,125 |
| 49 | 2045 | | 150 | | 150 | 1,275 | 1,125 |
| 50 | 2046 | | 150 | | 150 | 1,275 | 1,125 |

2,263

NPV(10%) =

3,472

10,698

7,226

Sensitivity data:

| ITEM | (%) |
|------|-------|
| B-C | 7.226 |
| B/C | 3.08 |
| EIRR | 38.8% |

表 6.3-4 改修対象道路の現況 (1/2)

| Serial No. | Class | District | Division | Beneficiary (Grama Niladhari Divisions) | Total Length (km) | Road Condition (km) | | | Detour Road B.P. to E.P. (km) (hour) | Closest Pota | | Beneficiary (Families) | Benefited Agri-Land Crops (ha) |
|------------|-------|--------------|----------------|--|-------------------------|---------------------|-------------|---------------|--|-----------------------------|--------|---------------------------------------|--------------------------------------|
| | | | | | | Tarred | Earth/Stone | Foot- path | | to Pota/Down Telaniya(p) | from | | |
| I-1 | E | Kandy | Kundasale | 1.Orucia, 2.Maluwegama, 3.Naranpanawa | 7.5 | 0.0 | 0.0 | 2.5 | 5.0 | - | 1,400 | Paddy Garden Tea | 30 150 60 |
| I-4 | E | Kandy | Meda Dumbura | 1.Kurukohogama, 2.Ketiyaagama, 3.Kandekumbura, 4.Hatipawela, 5.Namadagoda, 6.Medideniya | 17.1 | 0.0 | 8.7 | 8.4 | 0.0 | - | 380 | Paddy Vegetable Garden Tea | 300 100 150 220 |
| I-6 | E | Kandy | Uda Dumbura | 1.Karambakeniya, 2.Kumbukgolla, 3.Pussela, 4.Kaikawala, 5.Mecmura | 10.0 | 0.0 | 1.3 | 2.9 | 5.8 | 32.0 | 330 | Paddy Vegetable Garden Tea | 370 270 300 600 |
| I-7 | D, E | Kandy | Uda Dumbura | 1.Madugalla, 2.Kalawala, 3.Piggoda, 4.Pannucentna, 5.Gaegela | 6.0 | 0.0 | 0.0 | 4.9 | 1.1 | 18.0 | 620 | Paddy Vegetable Garden Tea | 250 160 50 |
| I-9 | E | Nuwara Eliya | Hanguranketa | 1.Ampugoda, 2.Welaganiya, 3.Matibambiya, 4.Labuwela | 9.0 | 0.0 | 4.0 | 3.7 | 1.3 | 20.0 | 750 | Paddy Vegetable Garden | 430 350 90 |
| I-10 | E | Nuwara Eliya | Hanguranketa | 1.Kimpe, 2.Palabowela, 3.Bambaragama, 4.Karamiddula, 5.Krimetiya | 6.7 | 0.6 | 0.0 | 2.0 | 4.1 | - | 850 | Paddy Vegetable Garden Chena | 390 250 100 270 |
| I-15 | E | Nuwara Eliya | Walapane | 1.Trippe, 2.Bolagandawela | 4.0 | 0.0 | 0.0 | 2.2 | 1.8 | 100.0 | 560 | Paddy Vegetable Garden | 60 630 70 |
| I-22 | E | Badulla | Kandeketiya | 1.Tihawellakandura, 2.Dikkumbura | 6.0 | 0.0 | 0.0 | 0.0 | 6.0 | 3.0 | 2,000 | Paddy Vegetable Garden Tea | 300 400 200 200 |
| I-16 | E | Nuwara Eliya | Walapane | 1.Trippe, 2.Maliyagama, 3.Hegawella, 4.Ambagahathenna, 5.Dulana | 20.2 | 5.3 | 10.9 | 4.0 | 0.0 | 25.0 | 1,330 | Paddy Vegetable Garden Tea | 150 50 150 90 |
| I-20 | E | Badulla | Uva Paranagama | 1.Boragas, 2.Gaibagama, 3.Teluwadigama, 4.Medawela, 5.Karagahaupota, 6.Hangunawa, 7.Dimbuliwala, 8.Kordekubura, 9.Mispogagama, | 9.1 | 0.0 | 0.2 | 3.8 | 5.1 | - | 2,200 | Paddy Vegetable Garden Tea | 300 400 200 200 |
| I-21 | E | Badulla | Uva Paranagama | 1.Bambarapana, 2.Pituyekumbura, 3.Panagoda, 4.Tuppiya | 8.2 | 0.0 | 3.0 | 3.7 | 1.5 | 38.0 | 1,060 | Paddy Vegetable Garden Tea | 30 150 50 150 |
| I-24 | E | Badulla | Hatela | 1.Kelawela, 2.Landawela, 3.Bogoda, 4.Panakanniya | 4.0 | 0.0 | 0.0 | 1.3 | 2.5 | - | 1,080 | Paddy Vegetable Garden Tea | 30 30 80 140 |
| I-25 | E | Badulla | Hatela | 1.Gawela, 2.Tuppiya | 8.0 | 0.0 | 1.3 | 6.7 | 0.0 | - | 12,020 | Potatoes | 9,689 |
| I-27 | E | Badulla | Weimada | 1.Wangyakkumbura, 2.Kandepuhipola, 3.Boralanda | 6.0 | 0.0 | 3.3 | 1.7 | 1.0 | 21.0 | 1,060 | Paddy Vegetable Garden Tea | 30 150 50 150 |
| I-28 | E | Badulla | Weimada | 1.Ambeawela | 6.0 | 0.0 | 3.3 | 1.7 | 1.0 | 14.0 | 1,060 | Paddy Vegetable Garden Tea | 30 30 80 140 |
| | | | | | 123.3 | | | | | | 12,020 | Potatoes | 9,689 |

表 6.3-4 改修対象道路の現況 (2/2)

| Serial No. | Class | District | Division | Benefited Grama Niladhari Divisions | Total Length (km) | Road Condition (km) | | | Detour Road B.P. to E.P. (km) (hour) | Closest Pota | | Beneficiary (Families) | Beneficial Area (ha) |
|--------------------------|-------|-----------|--------------|--|-------------------|---------------------|-----|-------------|--------------------------------------|--------------|------|------------------------|---|
| | | | | | | Tarred fair | Bad | Gravel path | | to Pota/Town | from | | |
| II-1 | E | Kegalle | Yatyanota | 1.Urbogoda, 2.Sooriyamalagama, 3.Uduwa, 4.Dedugala | 8.5 | 3.9 | 2.1 | 2.5 | 0.0 | 18.0 | 1.5 | 690 | 80 Paddy 500 Garden 380 Tea 350 Rubber |
| II-2 | E | Kegalle | Yatyanota | 1.Dolosbage, 2.Werannaawa, 3.Dedugala | 5.5 | 0.0 | 0.0 | 5.5 | 0.0 | 100.0 | 5.0 | 550 | 10 Vegetable 250 Garden 250 Tea 800 Rubber |
| II-5 | E | Kegalle | Dentowita | 1.Algoda, 2.Baungala, 3.Thimbiripola, Maniyangama, 4.Galanbalkanda | 7.0 | 1.7 | 0.7 | 0.4 | 4.2 | 7.0 | 0.5 | 1,000 | 30 Paddy 600 Garden 500 Rubber |
| II-9 | E | Kegalle | Deraniyagala | 1.Yatiwala, 2.Malliboda | 5.5 | 0.0 | 0.0 | 5.5 | 0.0 | | | 3,720 | 80 Paddy 820 Garden 1,780 Tea 490 Rubber |
| II-15 | C | Ratnapura | Kuruwita | 1.Kuruwita, 2.Eknaigoda, 3.Soodagala, 4.Lasakanda, 5.Erethna | 16.3 | 3.7 | 6.8 | 5.8 | 0.0 | 55.0 | 3.0 | | |
| II-12 | E | Ratnapura | Eheiyagoda | 1.Minna, 2.Iddamalagoda, 3.Mitipola, 4.Kiriporuwa, 5.Erepola | 11.5 | 3.7 | 4.5 | 3.3 | 0.0 | 15.0 | 1.5 | 1,670 | 160 Paddy 360 Garden 860 Rubber |
| II-19 | E | Ratnapura | Aysgama | 1.Galatura, 2.Pahalagalatura | 4.7 | 0.0 | 0.5 | 0.0 | 4.2 | | | 1,750 | 80 Paddy 30 Garden 170 Tea 760 Rubber |
| II-23 | C, E | Ratnapura | Elapatha | 1.Kotamulla, 2.Karangoda, 3.Raddella, 4.Dambulwana, 5.Kahawata, 6.Galatura | 8.0 | 1.9 | 0.5 | 5.6 | 0.0 | 30.0 | 2.0 | 1,880 | 150 Paddy 50 Vegetable 30 Garden 230 Tea 300 Rubber |
| Case Study Area-II Total | | | | | 67.0 | | | | | | | 11,260 | 10,090 |

付図

第1編

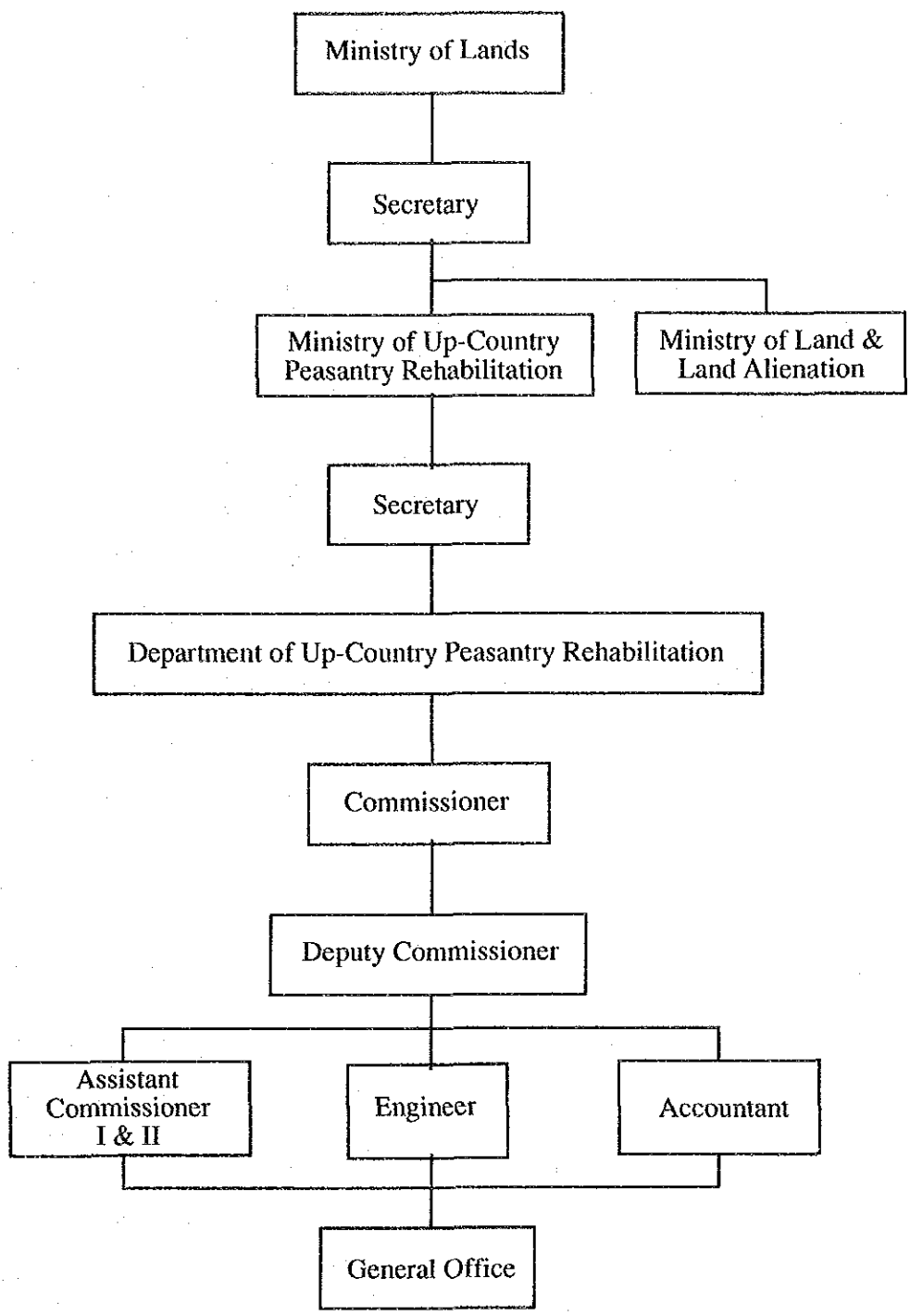
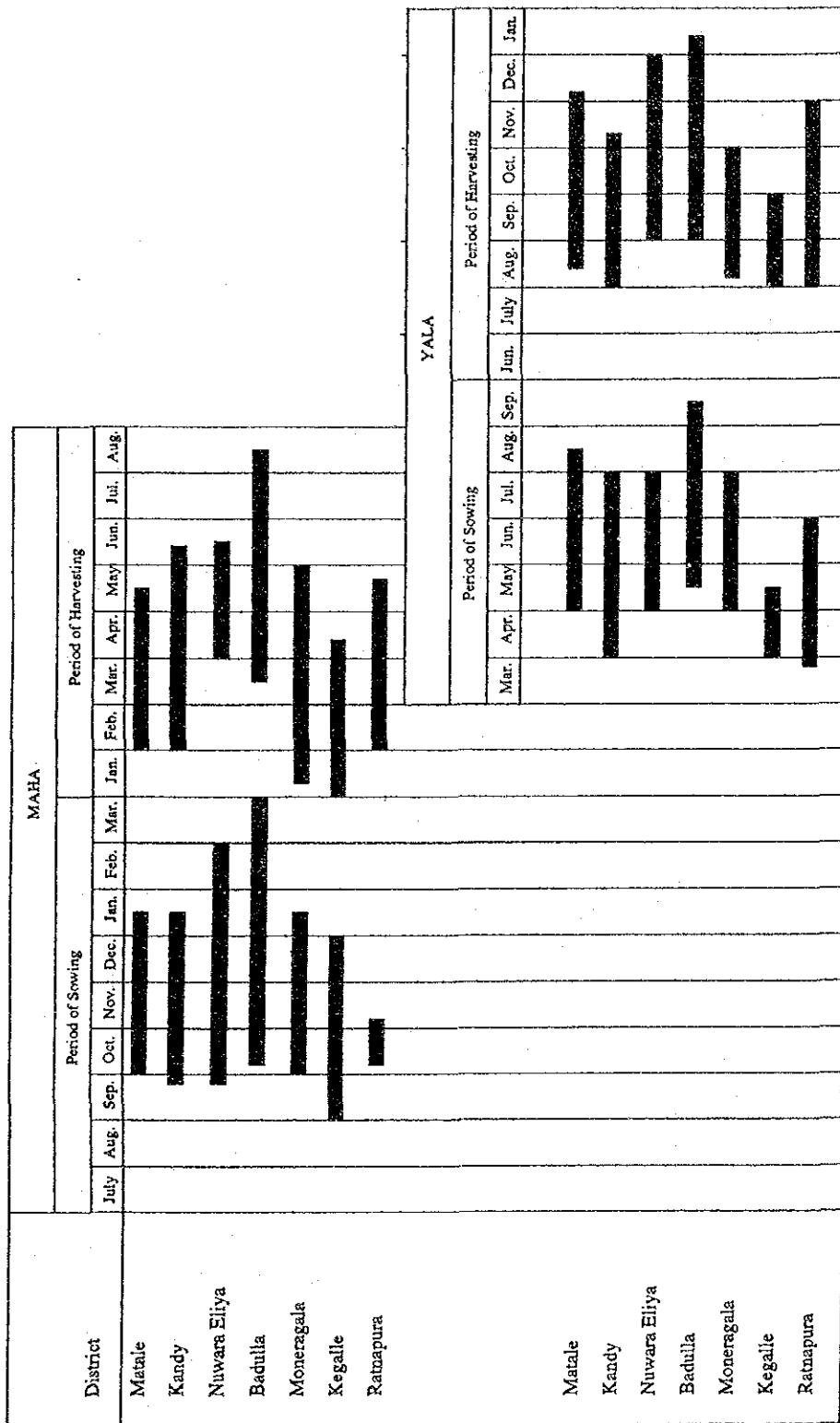


図 2.3-1 内陸部農村復興省組織図

GOVERNMENT OF DEMOCRATIC SOCIALIST
 REPUBLIC OF SRI LANKA
 MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION

MASTER PLAN STUDY ON
 THE AGRICULTURAL DEVELOPMENT FOR
 UP-COUNTRY PEASANTRY REHABILITATION
 PROGRAMME

JAPAN INTERNATIONAL COOPERATION AGENCY



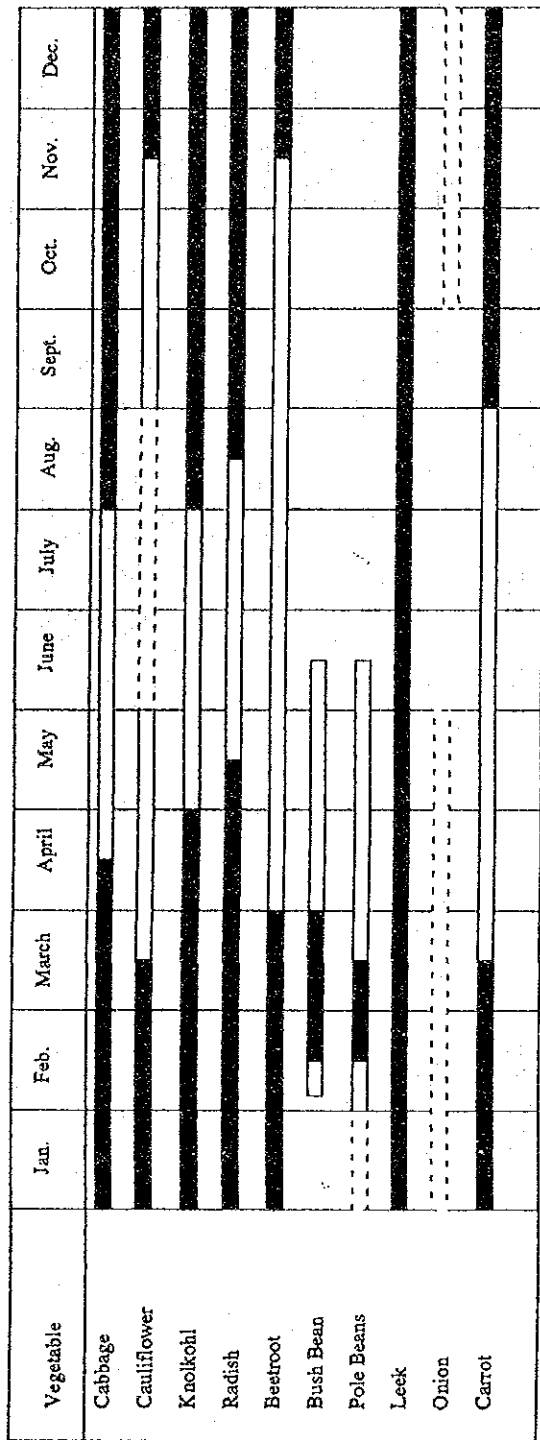
Source: Dept. of Census and Statistics

図3.3-1 水稲作付けパターン

GOVERNMENT OF DEMOCRATIC SOCIALIST
 REPUBLIC OF SRI LANKA
 MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION

MASTER PLAN STUDY ON
 THE AGRICULTURAL DEVELOPMENT FOR
 UP-COUNTRY PEASANTRY REHABILITATION
 PROGRAMME

JAPAN INTERNATIONAL COOPERATION AGENCY



■ Best time of planting sowing

□ Planting and growing possible with special care

⋯ Growing possible but very difficult

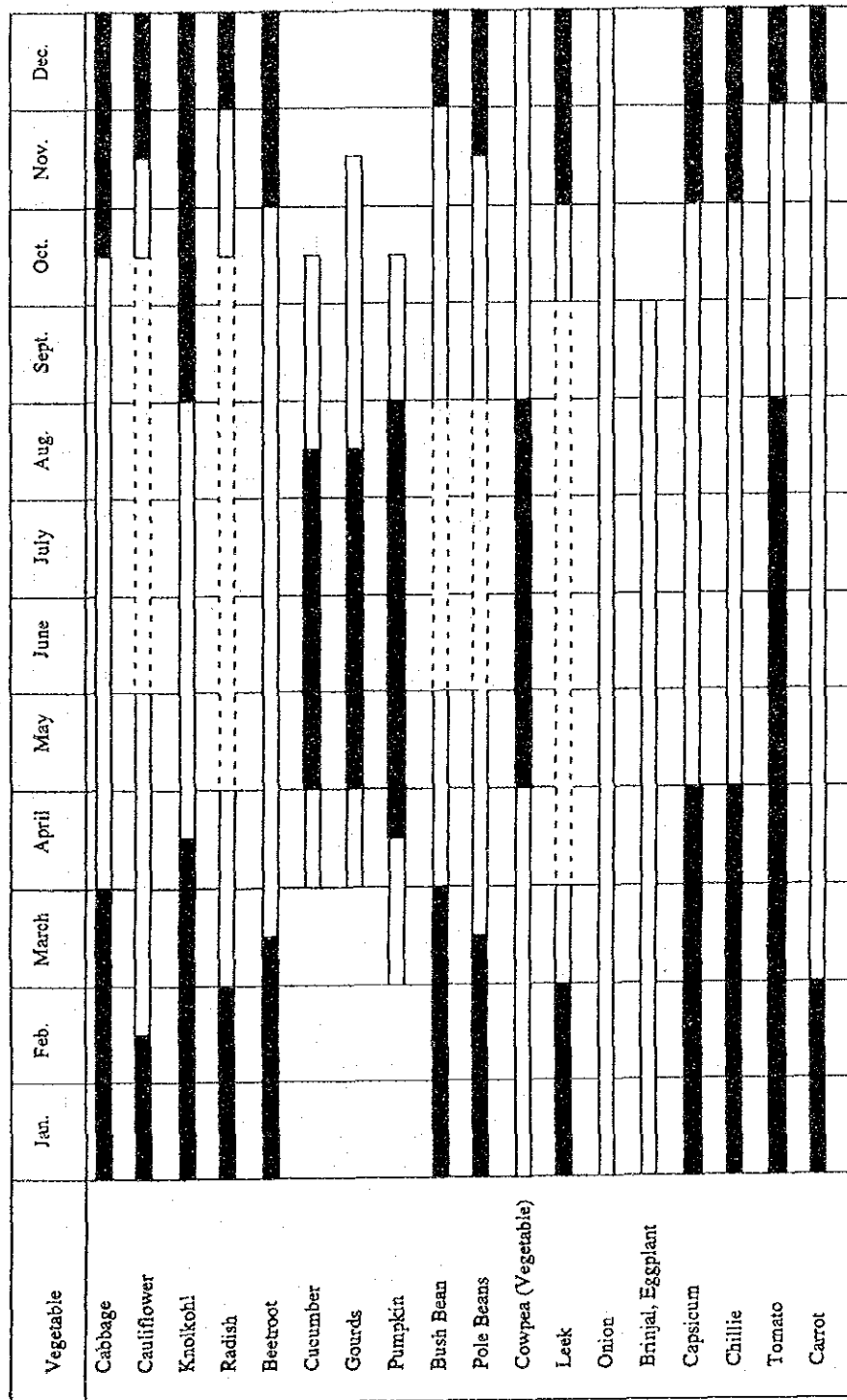
Source: Guide for vegetable variety trials-1976, German Agricultural Team-Sri Lanka

図3.3-2 野菜の作付けパターン (1/2)

GOVERNMENT OF DEMOCRATIC SOCIALIST
REPUBLIC OF SRI LANKA
MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION

MASTER PLAN STUDY ON
THE AGRICULTURAL DEVELOPMENT FOR
UP-COUNTRY PEASANTRY REHABILITATION
PROGRAMME

JAPAN INTERNATIONAL COOPERATION AGENCY



■ Best time of planting sowing

□ Planting and growing possible with special care

⋯ Growing possible but very difficult

Source: Guide for vegetable variety trials-1976, German Agricultural Team-Sri Lanka

図3.3-2 野菜の作付けパターン (2/2)

GOVERNMENT OF DEMOCRATIC SOCIALIST
 REPUBLIC OF SRI LANKA
 MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION

MASTER PLAN STUDY ON
 THE AGRICULTURAL DEVELOPMENT FOR
 UP-COUNTRY PEASANTRY REHABILITATION
 PROGRAMME

JAPAN INTERNATIONAL COOPERATION AGENCY

Strengthening of Institution Capacity

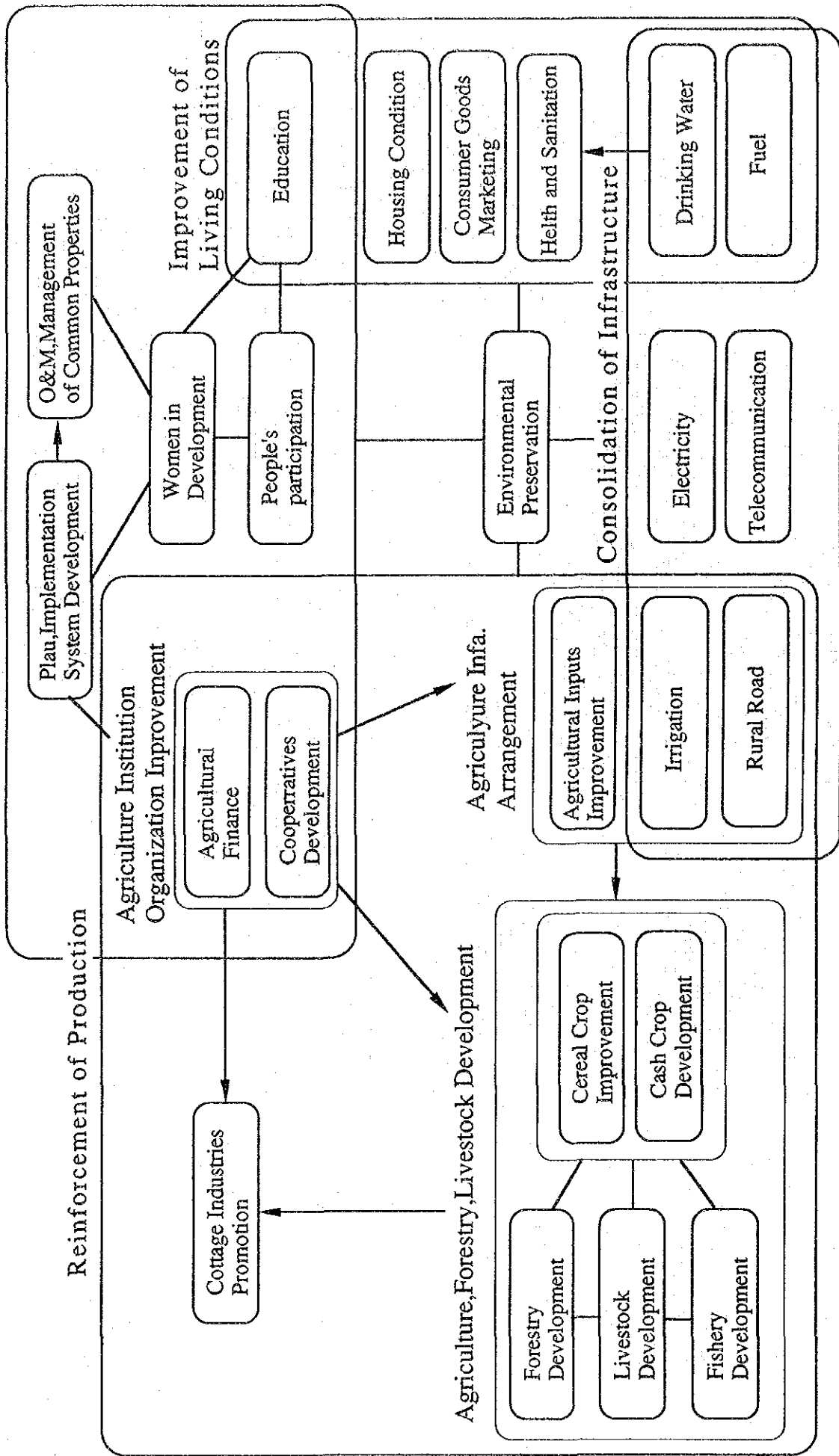


図4.1-1 4つの要素の相互関連

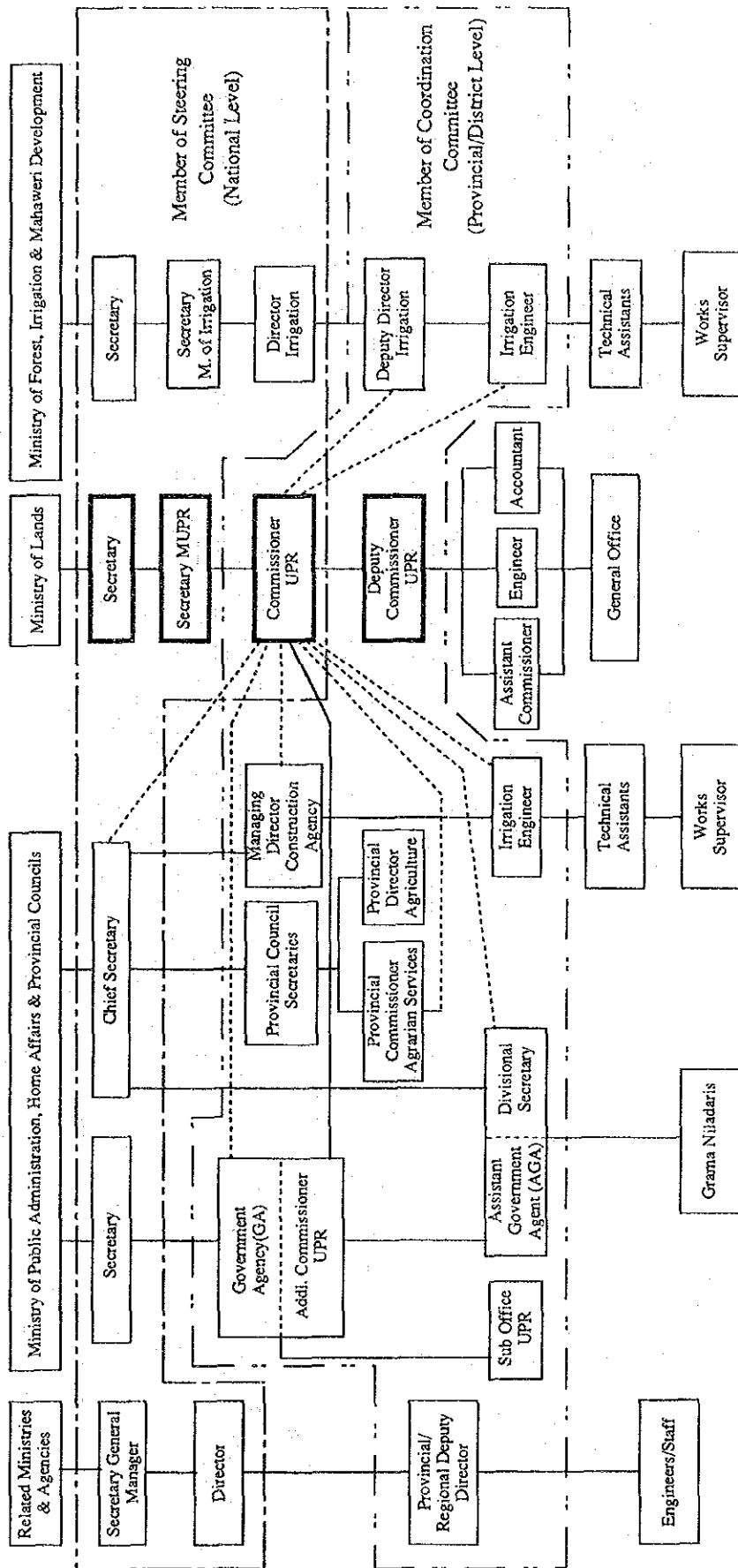


図 5.2-1 事業実施体制

| Project Component | Contents | Project Volume | Implementation Agency | Phase I | | | | | Phase II | | | | | Remarks |
|---|------------------------------|-----------------|-----------------------|---------|------|------|------|------|----------|------|------|------|------|---------|
| | | | | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | |
| 1. Irrigation | R.Major Irr.Scheme | 4,251ha | NIRP, ID | | | | | | | | | | | |
| | R.Major Irr.Scheme | 1,655ha | EEC, ID, MU, PR | | | | | | | | | | | |
| | R.Major Irr.Scheme | 7,248ha | Undecided | | | | | | | | | | | |
| | Recon.Major Irr.Scheme | 3,389ha | Undecided | | | | | | | | | | | |
| | R.Minor Irr.Scheme | 4,505ha | NIRP, ID, DAS | | | | | | | | | | | |
| | R.Minor Irr.Scheme | 3,750ha | IRDP, MPPI | | | | | | | | | | | |
| 2. Rural Road | R.Minor Irr.Scheme | 10,915ha | Undecided | | | | | | | | | | | |
| | Recon.Minor Irr.Scheme | 511ha | Undecided | | | | | | | | | | | |
| | R.Class C Road | 250km | PC, budget | | | | | | | | | | | |
| | R.Class C Road | 330km | Undecided | | | | | | | | | | | |
| | R.Class D Road | 250km | PC, budget | | | | | | | | | | | |
| | R.Class D Road | 280km | Undecided | | | | | | | | | | | |
| 3. Rural Water Supply | R.Class E Road | 860km | IRDP, budget | | | | | | | | | | | |
| | R.Class E Road | 460km | Undecided | | | | | | | | | | | |
| | Kandy WS | | FINNIDA, NSWDB | | | | | | | | | | | |
| | Badulla WS | | UNDP, NSWDB | | | | | | | | | | | |
| | Moneragala WS | | ADB, NSWDB | | | | | | | | | | | |
| | Ranapura WS | | UNDP, NSWDB | | | | | | | | | | | |
| | Kegalle WS | | ADB, NSWDB | | | | | | | | | | | |
| | Matale ; PipedWS | 28 schemes | NSWDB budget | | | | | | | | | | | |
| | N-Eliya ; PipedWS | 862 schemes | NSWDB budget | | | | | | | | | | | |
| | | 1,796 schemes | NSWDB budget | | | | | | | | | | | |
| 4. Rural Electrification | | 131 schemes | NSWDB budget | | | | | | | | | | | |
| | | 3,631 schemes | NSWDB budget | | | | | | | | | | | |
| 5. Agricultural Promotion & Supporting Plan | MV/LV Line | 1,394 schemes | ADB, CEB | | | | | | | | | | | |
| | R.Seed Fertilizer Storehouse | 178 ASC | DAS Undecided | | | | | | | | | | | |
| 6. Farm Land Conservation | C.Agr. Production SH. | 53 Sites | DAS Undecided | | | | | | | | | | | |
| | R.Pola | 55 Sites | DAS Undecided | | | | | | | | | | | |
| | C.Sabaragamuwa ISTI | 1 Site | 2nd AEP, DA, WB/IDA | | | | | | | | | | | |
| | R.ISTI & DATC | 3 ISTI & 7 DATC | 2nd AEP, DA, WB/IDA | | | | | | | | | | | |
| | Imp.CAIC | 1 Centre | DAPH Undecided | | | | | | | | | | | |
| | Imp.DVSS | 7 Sites | DAPH Undecided | | | | | | | | | | | |
| | Farmland Conservation | 69,000ha | Undecided | | | | | | | | | | | |

<Note> R : Rehabilitation, Recon : Reconstruction, C : Construction, Imp : Implementation

図 5.4-1 マスタープランの工程計画

第 2 編

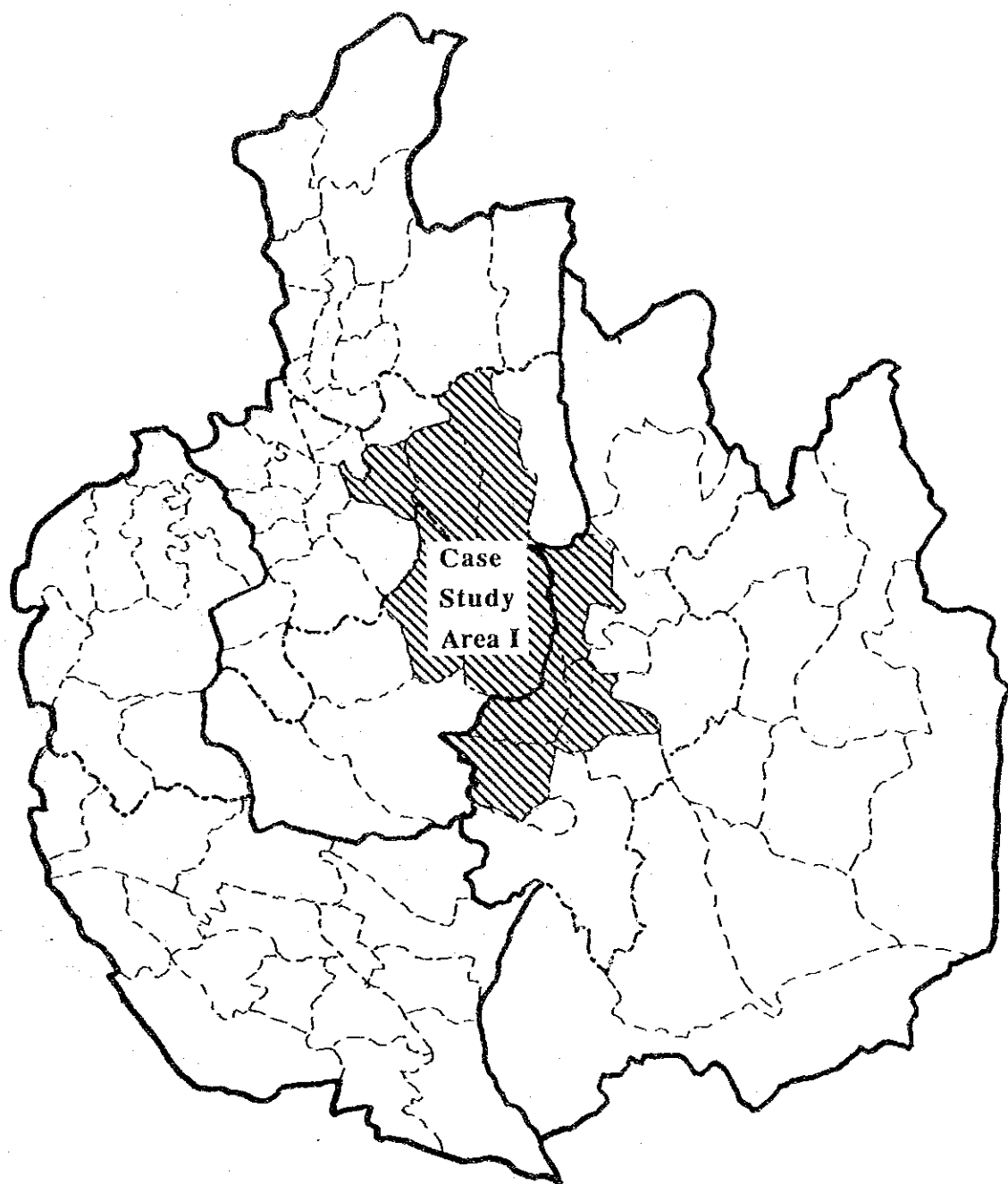


図1.2-1 ケース・スタディー地区-I位置図

GOVERNMENT OF DEMOCRATIC SOCIALIST
 REPUBLIC OF SRI LANKA
 MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION

MASTER PLAN STUDY ON
 THE AGRICULTURAL DEVELOPMENT FOR
 UP-COUNTRY PEASANTRY REHABILITATION
 PROGRAMME

JAPAN INTERNATIONAL COOPERATION AGENCY

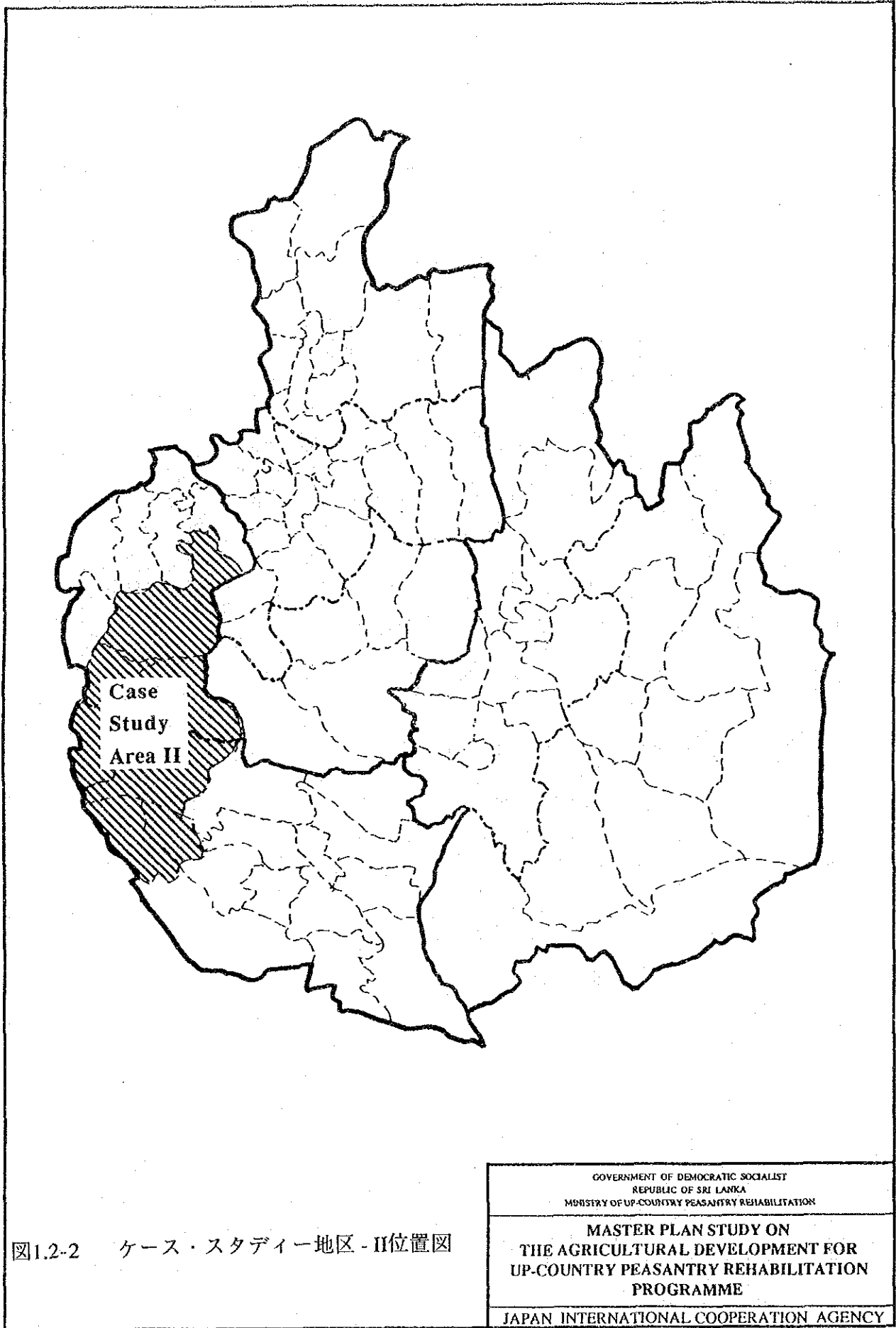


図1.2-2 ケース・スタディー地区 - II位置図

| |
|---|
| <p>GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION</p> |
| <p>MASTER PLAN STUDY ON THE AGRICULTURAL DEVELOPMENT FOR UP-COUNTRY PEASANTRY REHABILITATION PROGRAMME</p> |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p> |



図2.3-1 ウマエラ灌漑施設位置図

| |
|---|
| GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION |
| MASTER PLAN STUDY ON THE AGRICULTURAL DEVELOPMENT FOR UP-COUNTRY PEASANTRY REHABILITATION PROGRAMME |
| Japan International Cooperation Agency |

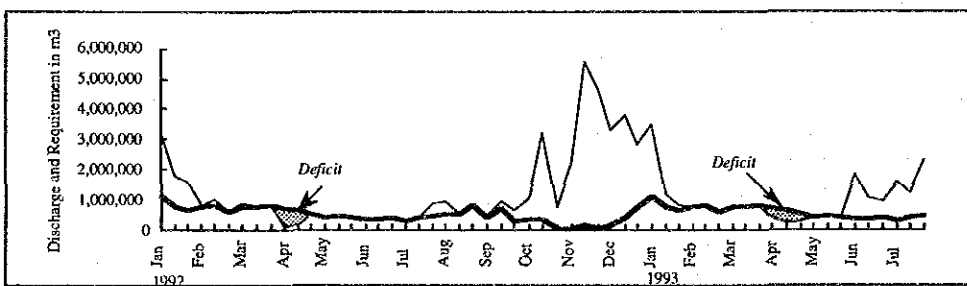
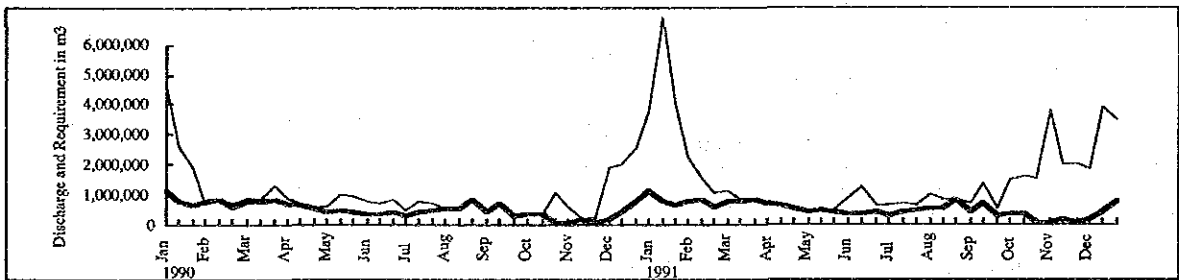
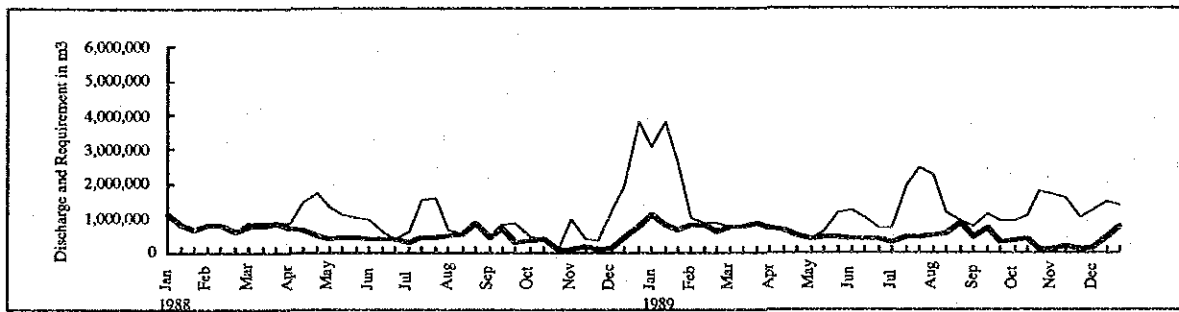
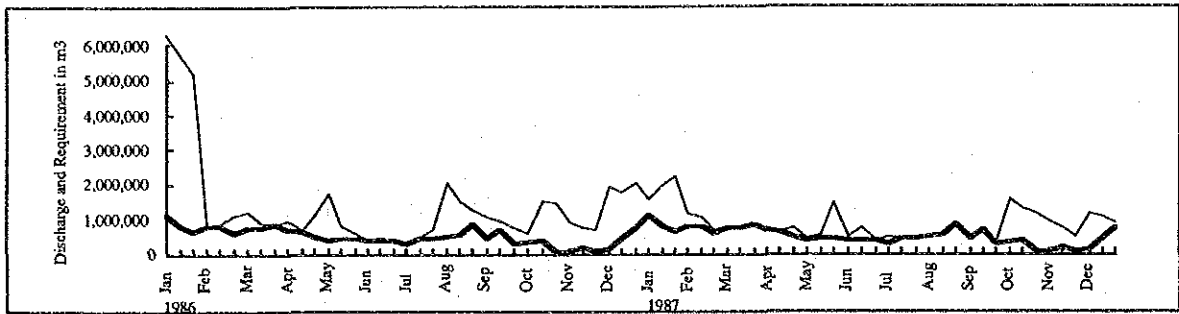
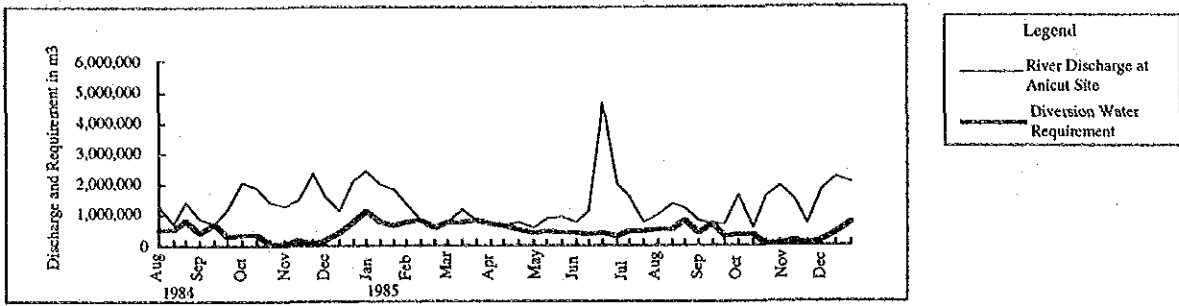


図2.3-2 水収支解析結果

GOVERNMENT OF DEMOCRATIC SOCIALIST
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PROGRAMME

Japan International Cooperation Agency

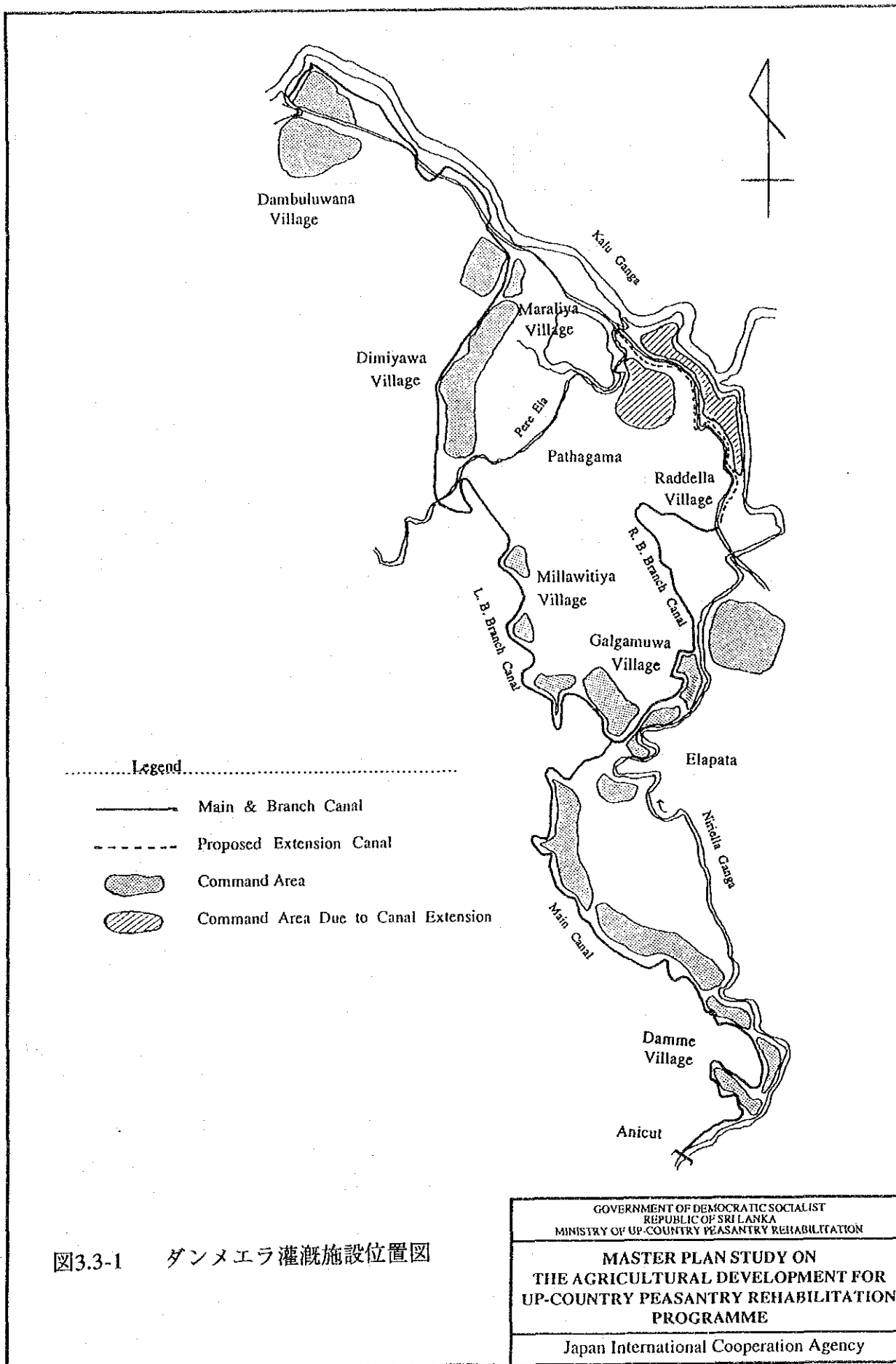
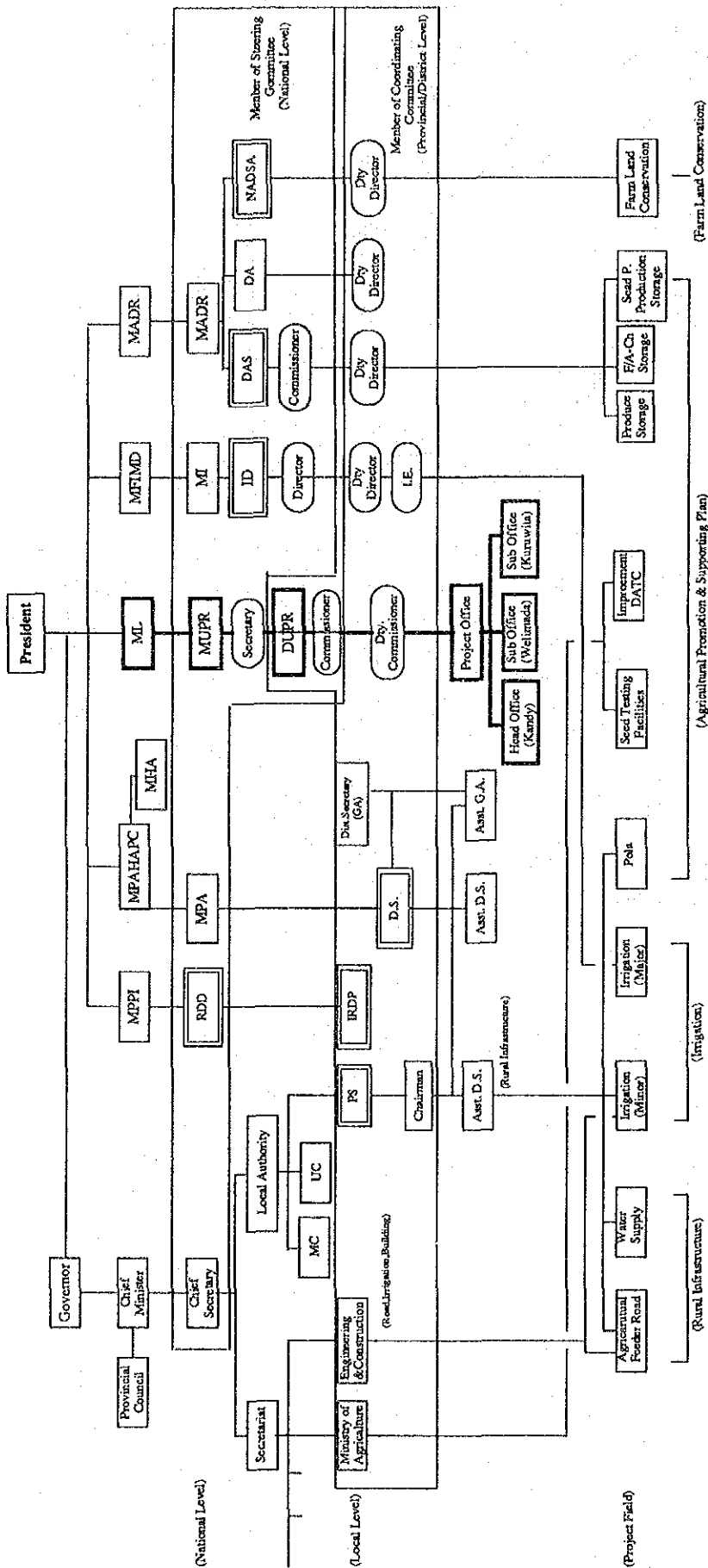


図3.3-1 ダンメエラ灌漑施設位置図

GOVERNMENT OF DEMOCRATIC SOCIALIST
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 MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION

**MASTER PLAN STUDY ON
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 UP-COUNTRY PEASANTRY REHABILITATION
 PROGRAMME**

Japan International Cooperation Agency

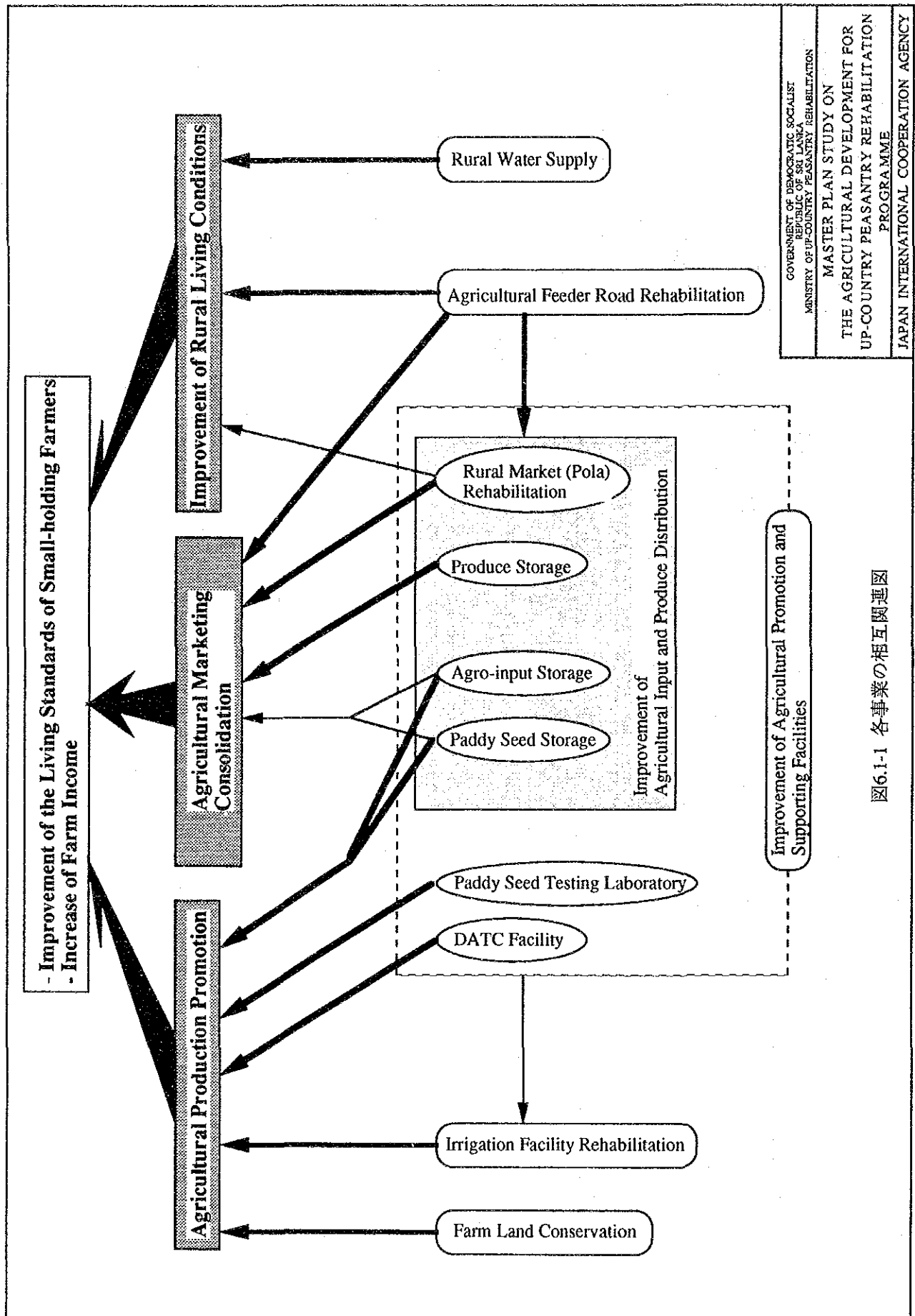


- MPP: Ministry of Policy Planning & Implementation
- MFMID: Ministry of Forestry, Irrigation & Mahawai Development
- MUPR: Ministry of Upcountry Peasantry Rehabilitation
- MPAHAPC: Ministry of Public Administration, Provincial Councils & Home Affairs
- ML: Ministry of Land
- MHA: Ministry of Home Affairs
- MPA: Ministry of Public Administration
- DUPR: Department of Upcountry Peasantry Rehabilitation
- RDD: Regional Development Division
- ID: Irrigation Department
- NADSA: National Agricultural Diversification & Settlement Authority
- SMADR: State Minister of Agricultural Development & Research
- DAS: Department of Agrarian Services
- DA: Department of Agriculture
- I.E.: Irrigation Engineer
- D.S.: Divisional Secretary
- G.A.: Government Agent
- Dy.: Deputy
- SMI: State Ministry of Irrigation
- P.S.: Prudashya Sabha
- U.C.: Urban Council
- M.C.: Municipal Council

図 4.1-1 事業実施組織図

| Description | 1st year | | | | | | | | | | | | 2nd year | | | | | | | | | | | | 3rd year | | | | | | | | | | | | 4th year | | | | | | | | | | | |
|--|----------|---|---|---|---|---|---|---|---|----|----|----|----------|---|---|---|---|---|---|---|---|----|----|----|----------|---|---|---|---|---|---|---|---|----|----|----|----------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| I. Engineering | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1 Detailed Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Survey & Investigation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) Detailed Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (3) Preparation of Tender Document | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 Tendering | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -3 Supervision of Construction Work | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| II. Construction works of Case Study Area-I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1 Irrigation Uma Ela IS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 Agricultural Feeder Road | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Orutota-Naranpanawa Rd.(No.1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) Raliyagama-Molideniya Rd.(No.4) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (3) Loolwatta-Meemura Rd.(No.6) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (4) Madugalla-Pamunutena Rd.(no.7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (5) Maturata-Madaramuwara Rd.(No.9) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (6) Kinulpe-Kirimaliya Rd.(No.10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (7) Teripeha-Bolagandawela-Tithawekandara Rd. (No.15 & 32) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (8) Teripeha-Randeniya Rd.(No.16) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (9) Hakgala-Amberst Rd.(No.20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (10) Bambarapana-Horatota-Ketawela Rd. (No.21 & 24) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (11) Eitampitiya-Horatota Rd.(No.25) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (12) Borolanda-Wangiyakumbura Rd.(No.27) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (13) Tawana-Ambewela RS Rd.(No.28) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -3 Rural Water Supply : Watumulla WS Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4 Agricultural Promotion & Supporting Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Produce Storage Facility Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hanguranketa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Walapane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uva Parana gama | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ambagasdowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bogabakumbura | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boralanda | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) Improvement Scheme of Pota Facility | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uda Dumbara | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Napolabokka | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Welimada | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -5 Farm Land Conservation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Madugoda Priority Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) Hakgala Priority Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| III. Construction Works of Case Study Area-II | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1 Irrigation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Duanne Ela Irrigation Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) Issodanawela Irrigation Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 Agricultural Feeder Road | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Undugoda-Dedugala Rd.(No.1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) Dolosbage-Pelanpitiya Rd.(No.2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (3) Maruttenawa-Maniyangama Rd.(No.5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (4) Maliboda-Yatiwala-Kuruwita Rd.(No.9 & 15) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (5) Minnana-Erepola Rd.(No.12) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (6) Galatura-Ihalagaratura Rd.(No.19) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (7) Kotamulla-Medagalatura Rd.(No.23) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -3 Rural Water Supply : Kuruwita WS Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4 Agricultural Promotion & Supporting Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Fertilizer & Agro-chemical Storage Facility Improvement Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pelanpitiya | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ebeliyagoda | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kuruwita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dodampe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gawaragiriya | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) Seed Paddy Storage Facility Improvement Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ebeliyagoda | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ayagama | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumbara/Manana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketepola | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (3) Seed Paddy Multiplication Facility Improvement Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Karapincha DTC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (4) Agricultural Training Facilities Improvement Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Karapincha DTC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (5) Improvement Scheme of Pota Facility | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yetiyanota | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Talduwa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kuruwita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -5 Farm Land Conservation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Pelanpitiya Priority Scheme | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

图 4.2-1 工事行程表



GOVERNMENT OF DEMOCRATIC SOCIALIST
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MINISTRY OF UP-COUNTRY PEASANTRY REHABILITATION

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PROGRAMME

JAPAN INTERNATIONAL COOPERATION AGENCY

図6.1-1 各事業の相互関連図

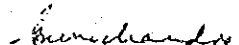
添付資料

添付資料 - 1

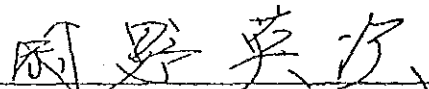
SCOPE OF WORK
FOR
THE MASTER PLAN STUDY
ON
THE AGRICULTURAL AND RURAL DEVELOPMENT
FOR
UP-COUNTRY PEASANTRY REHABILITATION PROGRAMME

AGREED UPON BETWEEN
MINISTRY OF LANDS, IRRIGATION AND MAHAWELI DEVELOPMENT
AND
JAPAN INTERNATIONAL COOPERATION AGENCY

COLOMBO, 12 NOVEMBER, 1992



Mr. D.G. Premachandra
Secretary,
Ministry of Lands, Irrigation
and Mahaweli Development



Mr. Eiji Okano
Leader,
Preparatory Study Team
Japan International
Cooperation Agency

I. INTRODUCTION

In response to the request of the Government of the Democratic Socialist Republic of Sri Lanka (hereinafter referred to as "the Government"), the Government of Japan has decided to conduct the master plan study on the Agricultural and Rural Development for Up-country Peasantry Rehabilitation programme (hereinafter referred to as "the Study") in accordance with the relevant laws and regulations in force in Japan.

Accordingly, the Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of the technical cooperation programmes of the Government of Japan, will undertake the Study in close cooperation with the authorities concerned of Sri Lanka.

The present document sets forth the Scope of Work with regard to the Study.

II. OBJECTIVES OF THE STUDY

The objectives of the Study are:

1. to formulate a master plan on the agricultural and rural development for Up-country Peasantry Rehabilitation Programme, and
2. to carry out technology transfer to the Sri Lanka counterpart personnel in the course of the Study.

III. STUDY AREA


The study area is to cover Central Province, Uva Province and Sabaragamuwa Province (approximately 19,000km²).

IV. SCOPE OF THE STUDY

In order to achieve the above objectives, the Study will cover the following items:

1. to collect and review existing data and information and to carry out field survey and investigation in the study area,
 - natural condition (meteorology and hydrology, geology, soil, topography etc.)
 - social and economic conditions (population, number of farmers' household, social structure, etc.)
 - agriculture (land use and tenure, cropping pattern, crop yielding, agricultural support services, and organizations for farming, etc.)
 - agricultural and rural infrastructure (irrigation and drainage facility, agricultural rural road, rural water supply facility etc.)
 - others

2



2. to carry out inventory survey on existing projects under being planned and implemented
 - structuring data base (irrigation, agricultural rural road, water supply, agricultural training center, marketing center and processing facilities for agricultural products, environmental protection projects, etc.)
 - review of necessity and component of each project
 - modification of each project and proposing new necessary project
 - others
3. to carry out farmer's household survey
4. to formulate a master plan on the agricultural and rural development for the Up-country Peasantry Rehabilitation Programme as follows;
 - land and water resources development plan,
 - agriculture and rural infrastructure development plan,
 - agriculture support plan,
 - environmental preservation and management plan, and
 - implementing plan

The plan components consist of;

- irrigation,
 - agricultural rural road,
 - rural water supply,
 - electrification, -
 - agricultural and animal husbandry production,
 - agricultural supporting services (marketing, extension, training, etc), and
 - agricultural land degradation (soil conservation, land slide).
5. to formulate a guideline for promoting;
 - agriculture and rural infrastructure development plan,
 - agriculture support plan, and
 - environmental preservation and management plan, and
 to carry out case studies (maximum three numbers), following the guideline.

V. STUDY SCHEDULE

The study will be carried out in accordance with the tentative schedule attached in Annex.

VI. REPORTS

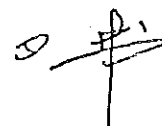
JICA shall prepare and submit following reports in English to the Government of Sri Lanka.

1. Inception Report
Twenty (20) copies at the commencement of the study.

2. Progress Report (1)
Twenty (20) copies at the end of the first field survey in Sri Lanka.
3. Interim Report
Twenty (20) copies at the end of the first home office work in Japan.
4. Progress report (2)
Twenty (20) copies at the end of the second field survey in Sri Lanka.
5. Draft Final Report
Twenty (20) copies at the end of the second home office work in Japan. The Government of Sri Lanka shall provide JICA with its comments on the Draft Final Report within one (1) month after receiving the Draft Final Report.
6. Final Report
One hundred (100) copies within two (2) months after receiving the comments on the Draft Final Report.

VII. UNDERTAKING OF THE GOVERNMENT OF SRI LANKA

1. To facilitate smooth conduct of the Study, the Government of Sri Lanka shall take necessary measures;
 - (1) to secure the safety of the Japanese study team,
 - (2) to permit the members of the Japanese study team to enter, leave and sojourn in Sri Lanka for the duration of their assignment therein, and exempt them from foreign registration requirements and consular fees,
 - (3) to exempt the members of the Japanese study team from taxes, duties, fees and any other charges on equipment, machinery and other materials brought into Sri Lanka for the conduct of the study,
 - (4) to exempt the members of the Japanese study team from income tax and charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Japanese study team for their services in connection with the implementation of the Study,
 - (5) to provide necessary facilities to the Japanese study team for remittance as well as utilization of the funds introduced into Sri Lanka from Japan in connection with the implementation of the Study,
 - (6) to secure permission for entry into private properties or restricted areas for the implementation of the Study,
 - (7) to secure permission for the Japanese study team to take all data and documents related to the Study including photographs and maps out of Sri Lanka to Japan,
 - (8) to provide medical services as needed. Its expense will be chargeable on the members of the Japanese study team.



2. The Government of Sri Lanka shall bear claims, if any arises, against the members of the Japanese study team resulting from, occurring in the course of, or otherwise connected with, the discharge of their duties in the implementation of the Study, except when such claims arise from gross negligence or willful misconduct on the part of the members of the Japanese study team.
3. The Ministry of Lands, Irrigation and Mahaweli Development (hereinafter referred to as "MLIMD") shall act as counterpart agency to the Japanese study team and also as coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Study.
4. MLIMD shall, at its own expense, provide the Japanese study team with the following, in cooperation with other organizations concerned:
 - (1) available data and information related to the Study,
 - (2) counterpart personnel,
 - (3) suitable office space with necessary equipments in Colombo and project sites,
 - (4) credentials or identification cards,

VIII. UNDERTAKING OF JICA


For the implementation of the Study, JICA shall take the following measures:

1. To dispatch, at its own expense, study teams to Sri Lanka,
2. To pursue technology transfer to the Sri Lanka counterpart personnel in the course of the Study.

IX. CONSULTATION

JICA and MLIMD will consult with each other in respect of any matter that is not agreed upon in this document and may arise from or in connection with the Study.

2



TENTATIVE SCHEDULE

| Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-------------------|-----------|---|--------------|---|-----------|---|---|---|--------------|----|-----------|----|----|----|----------|
| Item | | | | | | | | | | | | | | | |
| WORK IN SRI LANKA | | | | | | | | | | | | | | | ○ |
| WORK IN JAPAN | | | | | | | | | | | | | | | |
| Reports | △ IC/R | | △ P/R (1) | | △ IT/R | | | | △ P/R (2) | | △ DF/R | | | | △ F/R |

(Remarks)

IC/R: Inception Report

P/R (1): Progress Report (1)

IT/R: Interim Report

P/R (2): Progress Report (2)

DF/R: Draft Final Report

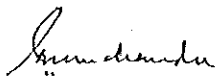
F/R : Final Report

○: Comments on DF/R by Sri Lanka Side

添付資料 - 2

MINUTES OF DISCUSSION
ON
INCEPTION REPORT
FOR
MASTER PLAN STUDY
ON
THE AGRICULTURAL AND RURAL DEVELOPMENT
FOR
UP-COUNTRY PEASANTRY REHABILITATION PROGRAMME

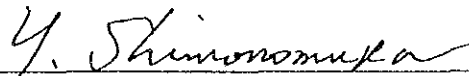
FEBRUARY 25, 1993



D. G. PREMACHANDRA
SECRETARY
MINISTRY OF LANDS, IRRIGATION AND
MAHAWELI DEVELOPMENT



TAKAYOSHI YAMAZAKI
TEAM LEADER,
JICA STUDY TEAM



WITNESSED BY YASUHIRO SHIMONOMURA
MEMBER, ADVISORY COMMITTEE

JICA submitted twenty (20) copies of the Inception Report to the Ministry of Lands, Irrigation and Mahaweli Development on 23 February, 1993. The meeting was held to discuss the Report on 25 February, 1993.

1. Time : From 14:30 to 15:40
2. Place : Conference Room of MLIMD
3. Attendance : See attached list

The discussion was presided by Mr B Bulumulla, Secretary of Ministry of Up-country Peasantry Rehabilitation. The JICA Study team explained the outline of the Report. The discussion was based on the Report. The main issues were discussed and confirmed between both parties;

- (1) The Report was generally accepted by Ministry of Lands, Irrigation and Mahaweli Development, and other Agencies concerned who were present agreed.
- (2) It was agreed that the study will take note of all development projects in the Region, in order to avoid possible duplication.

Yes ✓ (41)

MEETING TO DISCUSS THE INCEPTION REPORT
ON
MASTER PLAN STUDY
ON
THE AGRICULTURAL AND RURAL DEVELOPMENT
FOR
UP-COUNTRY PEASANTRY REHABILITATION PROGRAMME

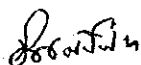
| | |
|----------------------------------|--|
| Mr. B. Bulumulla | Secretary, MUPR |
| Mr. D. M. P. B. Dassanayake..... | Commissioner, Dept. of UPR |
| Mr. K. Thurairajaratnam | Snr. Dty. Director, Irrigation Dept. |
| Mr. J. G. A. Wijedasa..... | Dty. Chief Secretary, Sabaragamuwa P. C. |
| Ms. Kumudini Atukorala..... | Asst. Director, MADR |
| Mr. W. M. Bandusena..... | Dty. Director, MLIMD |
| Mr. H. M. Rupasinghe | Dty. Director, NPD |
| Mr. W. G. T. Gamanayake | Dty. Commissioner, DUPR |
| Ms. Ranjini Pathberiya | Dty. Director, Dept. of Ext. Resources |
| Mr. Y. Shimonomura..... | Member of Advisory Committee |
| Mr. H. Hioki..... | JICA Head Quarter |
| Mr. T. Yamazaki | Team Leader, JICA Study Team |
| Mr. F. Tamura..... | Co-leader, JICA Study Team |
| Mr. N. Nagai | JICA Study Team |
| Mr. K. Tsumura..... | JICA Study Team |
| Mr. L. K. Devasiri | JICA Study Team |
| Mr. Y. Ogata..... | JICA Study Team |

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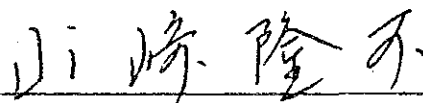
添付資料 - 3

MINUTES OF DISCUSSION
ON
INTERIM REPORT
FOR
MASTER PLAN STUDY
ON
THE AGRICULTURAL AND RURAL DEVELOPMENT
FOR
UP-COUNTRY PEASANTRY REHABILITATION PROGRAMME

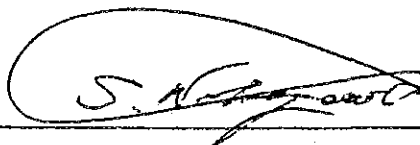
October 4, 1993



O. C. JAYAWARDANE
SECRETARY,
MINISTRY OF LANDS



TAKAYOSHI YAMAZAKI
TEAM LEADER
JICA STUDY TEAM



WITNESS BY Dr. SHOICHIRO NAKAGAWA
LEADER OF JICA ADVISORY TEAM

JICA submitted twenty (20) copies of the Interim Report to the Ministry of Lands on 28 September, 1993. The meeting was held to discuss the Report on 4 October, 1993.

1. Time : From 9:00 a.m. to 10:30 a.m.
2. Place : Conference Room of Ministry of Lands
3. Attendance : as per attached list

The discussion was presided over by Mr. O. C. Jayawardane, Secretary, Ministry of Lands. The JICA Study Team explained the outline of the Report. The discussion was based on the Report. The main issues were discussed and confirmed between both parties;

- (1) The Report was generally accepted by the Ministry of Lands and other agencies concerned who were present .
- (2) Initiative expressed in the Report on the implementation agency was agreed upon by the Steering Committee subject to further revision on project administration if necessary.
- (3) Request was made by the MUPR to add three divisions (Kundasale, Hali Ela and Kandaketiya) to the case study area delineated by the study team.

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MEETING TO DISCUSS THE INTERIM REPORT
ON
MASTER PLAN STUDY
ON
THE AGRICULTURAL AND RURAL DEVELOPMENT
FOR
UP-COUNTRY PEASANTRY REHABILITATION PROGRAMME

| | |
|-----------------------------------|---|
| Mr. O. C. Jayawardane | Secretary, Ministry of Lands |
| Mr. B. Bulumulla..... | Secretary, MUPR |
| Mr. L. U. Weerakoon..... | Secretary, Ministry of Irrigation |
| Mr. D. M. P. B. Dassanayake | Commissioner, Dept. of UPR |
| Mr. G. K. Amaratunga..... | Chairman, CEA |
| Mr. W. N. M. Botejue..... | Addl. Director, Dept. of Irrigation |
| Mr. J. Jayasinghe..... | Addl. Director, LUPPD |
| Ms. S. Malalasekra..... | Director. (Planing), ML |
| Mr. W. R. A. P. Ranasinghe | Secretary, Sabaragamuwa PC |
| Mr. H. M. H. Abeyweera | Land Commissioner, CP |
| Mr. H. Banduratne | Dty. Director, Dept. of National Planning |
| Mr. H. M. Rupasinghe | Dty. Director, Dept. of National Planning |
| Mr. W. T. G. Gamanayake..... | Dty. Commissioner, UPR |
| Mr. P. C. Senaratna..... | Dty. Director (Planning), Dept. of Irrigation |
| Mr. K. P. A. Gunaratna..... | Asst. Director (Planning) Sabaragamuwa PC |
| Ms. Kumudini Arukorala | Asst. Director, MADR |
| Dr. S. Nakagawa | Leader of JICA Advisory Team |
| Mr. H. Sakurai..... | JICA Head Quarter |
| Mr. J. Iida | JICA Sri Lanka Office |
| Mr. T. Yamazaki..... | Team Leader, JICA Study Team |
| Mr. F. Tamura..... | Co-leader, JICA Study Team |
| Mr. N. Nagai | JICA Study Team |
| Mr. K. Tsumura..... | JICA Study Team |
| Mr. Y. Iwai..... | JICA Study Team |
| Mr. L. K. Devasiri..... | JICA Study Team |
| Mr. Y. Ogata..... | JICA Study Team |

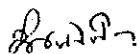
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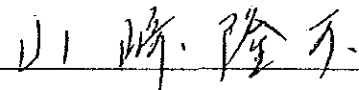
添付資料 - 4

MINUTES OF DISCUSSION
ON
DRAFT FINAL REPORT
FOR
THE MASTER PLAN STUDY
ON
THE AGRICULTURAL AND RURAL DEVELOPMENT
FOR
UP-COUNTRY PEASANTRY REHABILITATION PROGRAMME

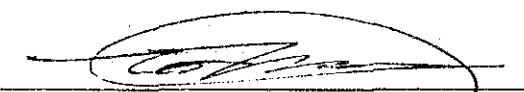
JUNE 7, 1994



O.C. JAYAWARDANE
SECRETARY
MINISTRY OF LAND



TAKAYOSHI YAMAZAKI
TEAM LEADER
JICA STUDY TEAM



WITNESSED BY DR. TOHRU MASE
MEMBER, ADVISORY COMMITTEE

JICA submitted twenty (20) copies of the Draft Final Report to the Ministry of Lands in June 1, 1994. Meetings were held to discuss the Report on June 3 and June 7, 1994.

1. Place : Conference Room of Ministry of Lands

2. Attendance : As per attached lists

3. Summary of Discussion

The discussion was presided by Mr. O.C. Jayawardane, Secretary, Ministry of Lands. The JICA Study Team explained the outline of the Report. The discussion was made based on the Report. Various issues relating to the projects were discussed and the following were confirmed between both parties;

- (1) The Report was generally accepted by the Ministry of Lands and other agencies concerned who were present.
- (2) In the implementation of projects under the programme; it was agreed that the relevant agencies will conform to the environmental legislation in Sri Lanka.
- (3) Ministry of Lands will send comments on the Report to the JICA Sri Lanka Office before July 7, 1994.
- (4) Ministry of Lands has no objection for making the Final Report open to the public in Japan.

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STEERING COMMITTEE MEETING ON MASTER PLAN STUDY ON
AGRICULTURAL & RURAL DEVELOPMENT FOR
UP-COUNTRY PEASANTRY REHABILITATION

03.06.94 at 2.30 p.m.

Attendance

| <u>Name</u> | <u>Designation & Agency</u> |
|------------------------------|--|
| 1. Mr. O.C. Jayawardana | Secretary, Ministry of Lands |
| 2. Mr. B. Bulumulla | Secretary, Ministry of UPR |
| 3. Mr. D.M.P.B. Dassanayake | Commissioner, Dept. of UPR |
| 4. Mr. J. Jayasinghe | Director, L.U.P.P.D. |
| 5. Mr. V. Regunathan | Senior Dy. Director, Irrigation Department |
| 6. Mr. P.C. Senaratne | Deputy Director(Planning), Irrigation Dept. |
| 7. Mrs. S. Malalasekara | Director(Planning), Ministry of Lands. |
| 8. Mr. H. Banduratne | Addl. Director, National Planning Dept. |
| 9. Mr. C.M.M. Chandrasekera | Deputy Director, National Planning Dept. |
| 10. Mr. W.G.T. Gamanayake | Dy. Commissioner, Dept. of UPR |
| 11. Mr. N. Suręsh Kumar | Senior Environment Officer, C.E.A. |
| 12. Mrs. Kumudinee Atukorala | A.D., Ministry of Agricultural Dev. & Research |
| 13. Dr. Toru Mase | Member of Advisory Committee |
| 14. Mr. S. Nabeya | JICA Headquarter |
| 15. Mr. T. Yamazaki | Team Leader, JICA Team |
| 16. Mr. Fumio Tamura | Co-Leader of JICA Study Team |
| 17. Mr. Jiro Iida | JICA Colombo |
| 18. Mr. L.K. Devasiri | UPR Study Team Member |

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STEERING COMMITTEE MEETING ON MASTER PLAN STUDY ON
AGRICULTURAL & RURAL DEVELOPMENT FOR
UPCOUNTRY PEASANTRY REHABILITATION

07.06.94 at 9.00 a.m.

Attendance

| <u>Name</u> | <u>Designation & Agency</u> |
|------------------------------|---|
| 1. Mr. O.C. Jayawardena | Secretary, Ministry of Lands |
| 2. Mr. B. Bulumulla | Secretary, Ministry of UPR |
| 3. Mr. L.U. Weerakoon | Stats Secretary, Irrigation |
| 4. Mr. D.M.P.B. Dassanayake | Commissioner, Dept. of UPR |
| 5. Mr. G.N. Amaratunge | Chairman, Central Environment Authority |
| 6. Mr. K. Yoganathan | Director - Irrigation |
| 7. Mr. D.M. Nandisena | District Secretary, Kandy |
| 8. Mr. M. Etampawala | District Secretary, Badulla |
| 9. Mr. D. Hettiarachchi | District Secretary, Nuwara Eliya |
| 10. Mrs. D.D.J. Kudaligama | Director, External Resources Dept. |
| 11. Mr. S. Amarasekera | Director, Regional Development |
| 12. Mr. J. Jayasinghe | Director, LUPPD |
| 13. Mrs. S. Malalasekera | Director Planning, Ministry of Lands |
| 14. Mr. W.R.A.P. Ranasinghe | Secretary, Chief Ministry Sabaragamuwa Province |
| 15. Mr. W.G.T. Gamanayake | Deputy Commissioner, Dept. of UPR |
| 16. Mr. J.P. Hettiarachchi | Director, Land Use Policy Planning Division |
| 17. Mr. C.M.M. Chandrasekera | Dy. Director, National Planning Department |
| 18. Mr. W.P. Jinadasa | Senior Deputy Director, Irrigation |
| 19. Mr. N. Suresh Kumar | Senior Environmental Officer, C.E.A. |
| 20. Mr. K.P.A. Gunaratne | Representative of District Secy, Ratnapura |
| 21. Dr. Toru Mase | Member of the Advisory Committee |
| 22. Mr. Shiro Nabeya | JICA Headquarter |
| 23. Mr. Takayoshi Yamazaki | Team Leader, JICA Team |
| 24. Mr. Fumio Tamura | Co-Leader of JICA Study Team |
| 25. Mr. Tiro Iida | JICA Colombo |
| 26. Mr. L.K. Devasiri | UPR Study Team Member |

26 21

添付資料 - 5

添付資料 5 プロジェクト別別割実施地区一覧 (地区-1)

| Sector | Project/Scheme | Location Division District | Main Works | F/Sにて測量した区間等 | 備考 |
|--|---|---|---|--|--|
| (1) Irrigation | (1) Uma Ela Irrigation Scheme | Uva Paranagama, Badulla | Rehabilitation of Intake & Canals Irrigation area 813.0 ha Canal Length 16.0 km | - | 平面図、水路断面図入手 |
| (2) Agricultural Feeder Road | (1) Orutota-Narapanawa Rd(No.1) | Kandasaie, Kandy | Class-E,7.5km | - | |
| | (2) Reiyagama-Meideniya Rd(No.4) | Mesa Dumbura, Kandy | Class-E,7.0km | - | |
| | (3) Loolwatte-Mecumura Rd(No.6) | Uda Dumbura, Kandy | Class-E,17.1km | 17.1km | |
| | (4) Madugalla-Panunutena Rd(No.7) | - do - | Class-D/E,10.0km, Ma oya crossing | - | |
| | (5) Maturata-Mandarannuwara Rd (No.9) | Hanguranketa, N.Eliya | Class-E,6.0km | - | |
| | (6) Kitulpe-Kirimetiya Rd(No.10) | - do - | Class-E,9.0km | - | |
| | (7) Teripeha-Bolagandawela Rd(No.15) | Walapane, N.Eliya | Class-E,6.7km,Uma oya crossing | 6.7km | |
| | (8) Bolagandawela-Tithaweikandura Rd(No.32) | Kandeketiya, Badulla | Class-E,4.0km | 4.0km | |
| | (9) Teripeha-Randenigala Rd(No.16) | Walapane, N.Eliya | Class-E,6.0km | - | |
| | (10) Hakgala-Amberst Rd(No.20) | Uva Paranagama, Badulla | Class-E,20.2km | 20.2km | |
| | (11) Buarapana-Horatota Rd(No.21) | Uva Paranagama, Badulla | Class-E,9.1km,Uma oya crossing | 9.1km | |
| | (12) Horatota-Ketawela Rd(No.24) | Haliela, Badulla | Class-E,8.2km | 8.2km | |
| | (13) Etampitiya-Horatota Rd(No.25) | Haliela, Badulla | Class-E,4.0km | - | |
| | (14) Boralanda-Wangiyakumbura Rd (No.27) | Welimada, Badulla | Class-E,8.0km | - | |
| | (15) Tawana-Ambevela RS Rd(No.28) | Welimada, Badulla | Class-E,6.0km | - | |
| (3) Rural Water Supply | (1) Watumulla W/S Scheme | Walapane, N.Eliya | Total 128.8km Population 1,780, 441 Families Trans.P.Line 0.9km Dist. P. Line 3.7km | Total 65.3km | Nildandahina W/Sを測量。しかし、資料少ない。ケーススタディとしては資料多いWanmulla W/Sを採用 |
| (4) Agricultural Promotion & Supporting Plan | (1) Produce Storage Facility Scheme | 1.Hanguranketa | 600ton, Construction of storage/ | - | |
| | | 2.Walapane | 600ton, office big. & supply of | - | |
| | | 3.Uva Paranagama | 2,000ton, equipment and vehicle | - | |
| | | 4.Ambagadawa | 2,000ton | - | |
| | | 5.Bogakumbura | 2,400ton | - | |
| | | 6.Boralanda | 2,400ton | - | |
| | | (2) Improvement Scheme of Pola Facility | Uda Dumbura, Kandy | 24 rooms,96m ² , Rehabilitation | 2,800m ² (40m x 70m) |
| (5) Farm Land Conservation | (1) Madugoda Priority Scheme | Uva Paranagama, Badulla | 151 rooms,604m ² , of buildings, 204 rooms,816m ² , drainage,water supply & etc. | - | |
| | (2) Hakgala Priority Scheme | Uda Dumbura, Kandy Welimada, Badulla | 50ha 50ha | サンブルエリアとして8ha測量 同上 | |

| Sector | Project/Scheme | Location Division District | Main Works | F/Sにて測量した区間等 | 備考 |
|--|---|---|---|--|-------------|
| (1) Irrigation | (1) Damme Ela Irrigation Scheme (Major) (2) Issodanawela Irrigation Scheme (Minor) | Elaipatha, Ratnapura Kegalle | Rehabilitation of Intake& Canals Irrigation area 178.0ha Canal Length 15.0km Rehabilitation of Intake & Canals Irrigation area 30.0ha Canal Length 2.1km | 25km, 50,000 m ² | |
| (2) Agricultural Feeder Road | (1) Udugoda-Dehigala Rd(No.1) (2) Dolosbage-Pelapitiya Rd(No.2) (3) Murucenawa-Maniyangama Rd (No.5) (4) Maliboda-Yatiwala Rd (No.9) (5) Kuruwita-Yatiwala Rd (No.15) (6) Minna-Erepola Rd(No.12) (7) Galaura-Ihalagamatura Rd(No.19) (8) Kotamulla-Medagalatura Rd(No.23) | Yatiantota, Kegalle - do - Dehiowita, Kegalle Deraniyagala, Kegalle Kuruwita, Ratnapura Eheliyagoda, Ratnapura Ayagama, Ratnapura Elaipatha, Ratnapura | Class-E, 8.5km Class-E, 5.5km Class-E, 7.0km Class-E, 5.5km Class-B/C, 16.3km Class-E, 11.5km Class-E, 4.7km Class-C/E, 8.0km Total 67.0km | 5.5km 16.3km 11.5km 4.7km Total 39.0km | 配水設備は未調査 |
| (3) Rural Water Supply | (1) Kuruwita W/S scheme | Kuruwita, Ratnapura | Population 9,924, 1,859 Families Trans.P.Line 3.0km Dist. P.Line 10.7km | 取水工から貯水池まで3.0km 15,000 m ² | |
| (4) Agricultural Promotion & Supporting Plan | (1) Fertilizer and Agro-chemical Storage Facility Improvement Scheme 1. Pelapitiya 2. Eheliyagoda 3. Kuruwita 4. Dodampe 5. Gawaragiriya (2) Seed Paddy Storage Facility Improvement Scheme 1. Eheliyagoda 2. Ayagama 3. Dumburamanana 4. Ketepola (3) Seed Paddy Multiplication Facility Improvement Scheme (4) Agricultural Training Facilities Improvement Scheme (5) Improvement Scheme of Pola Facility 1. Yatiantota 2. Taldawa 3. Kuruwita | Yatiantota, Kegalle Eheliyagoda, Ratnapura Kuruwita, Ratnapura Kuruwita, Ratnapura Ayagama, Ratnapura Eheliyagoda, Ratnapura Ayagama, Ratnapura Ayagama, Ratnapura Karapinchia DTC, Ratnapura (Kuruwita) Karapinchia DTC, Ratnapura (Kuruwita) Yatiantota, Kegalle Dehiowita, Kegalle Kuruwita, Ratnapura | Construction of store(20 ton) and supply of equipment Construction of store (15 ton) and supply of equipment Construction of seed testing laboratory with office(168m ²) and supply of equipment Construction of lecture rooms(320m ²) hostel with kitchen(30 trainees) and supply of equipment 250 rooms, 1,000m ² , Rehabilitation 123 rooms, 492m ² , of buildings, 160 rooms, 640m ² , drainage, water supply & etc. | | 平面図入手 同上 |
| (5) Farm Land Conservation | (1) Pelapitiya Priority Scheme | Yatiantota, Kegalle | 50ha | サンブルエリアとして9ha測量 | |

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