FUTURE REQUIREMENTS AND DEVELOPMENT PLAN B

8. FUTURE REQUIREMENTS IN WATER SUPPLY AND SANITATION IMPROVEMENT

8.2 Targets of Provincial Sector Plan

Table 8.2.1 Estimation of Base Year Service Coverage of Water Supply

| Name of Municipality | Area | Population | Populat | ion Serve | d by 1998 | Facilities | Populat | | d by Plan Projects | ned On- | Рори | ation Ser | ved in the | Base Yea | r (1998) |
|-------------------------|----------------|------------------|---------------|------------|------------------|-----------------|-----------|----------------|-----------------------|----------------|----------------|------------|------------------|------------------|------------------------|
| City | | (1998) | LeelIII | Level II | Level I | TetaT | Level III | Levelli | Levell | Total | Levellil | Lnell | Lodt | Total | Percentage Coverage |
| | Urban | 3,894 | | | 1,774 | 1,774 | | | | | | | 1,774 | 1.774 | 46 |
| Cuartero | Rural | 25,529 | | 402 | 13,981 | 14,383 | | | | | | 402 | 13,981 | 14.383 | 56 |
| | Total | 29,423 | | 402 | 15,755 | 16,157 | L | | ļ | | | 402 | 15,755 | 16,157 | 55 |
| Dao | Urban | 5,646 | | | 3,864 | 3,864 | | | l | | | | 3,864 | 3,864 | 68 |
| 030 | Rural | 24,000 | | | 17,548 | 17,548 | | | | | | | 17.548 | 17.543 | 73 |
| | Total Urban | 29,646 3,193 | | | 21,412 | 21,412 | | | ļ | | | | 21,412 | 21.412 | 72 |
| Dumalag | Rural | 27,352 | 2,465 | 715 | 18,464 | 2,841 21,704 | | | - | | 3466 | 222 | 2,341 | 2,841 | 89 |
| re-umanage | Total | 30,545 | 2,465 | 775 | 21,305 | 24,545 | | | | | 2,465 2,465 | 775 775 | 18,464 21,305 | 21,704 24,545 | 79 |
| l | Urban | 5,447 | 1.890 | 75 | 2,309 | 4,274 | ļ | | | | 1,890 | 75 | 2,309 | 4,274 | 78 |
| Dumarao | Rural | 33,767 | 340 | 350 | 28,215 | 28,905 | | | - | | 340 | 350 | 28,215 | 23,905 | 86 |
| | Total | 39,214 | 2,230 | 425 | 30,524 | 33,179 | | | | ·· | 2,230 | 425 | 30,524 | 33,179 | 85 |
| | Urban | 4,632 | 1,285 | | 1,637 | 2,972 | | | | | 1,285 | : | 1,687 | 2,972 | 64 |
| lvisan | Rural | 19,093 | 655 | 675 | 10,117 | 11,447 | | | | | 655 | 675 | 10,117 | 11,447 | 60 |
| | Total | 23,730 | 1,940 | 675 | 11,804 | 14,419 | | | | | 1,940 | 675 | 11,804 | 14,419 | 61 |
| | Urban | 2.516 | | | 722 | 722 | | | | | | | 722 | 722 | 29 |
| Jaminđan | Rural | 36,235 | | 300 | 1,232 | 1,532 | | | | | | 300 | 1,232 | 1,532 | 4 |
| | Total | 38,751 | | 300 | 1,954 | 2,254 | | | | | | 300 | 1,954 | 2,254 | 6 |
| <u>.</u> | Urban | 4,578 | | <u> </u> | 2,422 | 2,422 | | | | | | | 2,422 | 2,422 | 53 |
| Ma-ayon | Rural | 26,410 | | 500 | 11,636 | 12,136 | | | | | | 500 | 11,636 | 12,136 | 46 |
| | Total | 30,988 | 3.130 | 500 | 14,058 | 14,558 | | | | | | 500 | 14,058 | 14,558 | 47 |
| Manibusao | Urban | 6,492 | 2,175 | 440 | 1,944 | 4,119 | | | | | 2,175 | | 1,944 | 4,119 | 63 |
| V1511100230 | Rural Total | 31.068 37,560 | . 10 2,185 | 660 660 | 14,196 16,140 | 14,866 | | | | - ^- | 10 | 660 | 14,196 | 14.866 | 43 |
| | Urban | 2,969 | 1.685 | 000 | 25 | 18,985 | | | | | 2,185 1,685 | 660 | 16,140 25 | 18,985 | 51 |
| Рапау | Rural | 38,031 | 4,960 | | 1,166 | 6,126 | | | | | 4,960 | | 1.166 | 1.710 6,126 | 58 16 |
| | Total | 41,000 | 6,645 | | 1,191 | 7,836 | | | · · · · · · · | | 6,645 | | 1,191 | 7,836 | 19 |
| | Urban | 2,638 | 995 | | 825 | 1,820 | | | | | 995 | | 825 | 1.820 | 69 |
| Panitan | Rural | 31.224 | 840 | 625 | 19,394 | 20,859 | i | | | | 840 | 625 | 19,394 | 20,859 | 67 |
| | Total | 33,862 | 1,835 | 625 | 20,219 | 22,679 | | | | | 1,835 | 625 | 20,219 | 22,679 | 67 |
| | Urban | 5,117 | 860 | | 3,026 | 3,886 | i | | | | 860 | | 3,026 | 3,886 | 76 |
| Pilar | Rural | 32,055 | 195 | 665 | 24,365 | 25,225 | | | | | 195 | 665 | 24.365 | 25,225 | 79 |
| | Total | 37,172 | 1,055 | 665 | 27,391 | 29,111 | | | | | 1,055 | 665 | 27,391 | 29,111 | 78 |
| | Urban | 6.427 | 3,680 | | 380 | 4,060 | | | | | 3,680 | | 380 | 4.060 | 63 |
| Pontevedra | Rural | 33,126 | 3,400 | 2,628 | 8,585 | 14,613 | | | | | 3,400 | 2,628 | 8,585 | 14,613 | 44 |
| | Total | 39,553 | 7,030 | 2.628 | 8,965 | 18,673 | | | | | 7,080 | 2,628 | 8,965 | 18,673 | 47 |
| President | Urban | 6,615 | | | 2,769 | 2,769 | | | | | | | 2,769 | 2.769 | 42 |
| Roxas | Rural | 18,736 | | 125 | 4,997 | 5,122 | | | | | | 125 | 4,997 | 5,122 | 27 |
| · | Total Urban | 25,351 59,024 | 33,945 | 125 | 7,766 20,946 | 7,891 54,891 | | | | | 33,945 | 125 | 7,765 | 7,891 | 31 |
| Roxas City | Rural | 71,743 | 16,315 | 948 | 36,751 | 54,014 | | - | | | 16,315 | 948 | 20,946 36,751 | 54.891 54,014 | 93 75 |
| (Capital) | Total | 130,767 | 50,260 | 948 | 57,697 | 108,905 | | | | - | 50,260 | 948 | 57,697 | 103.905 | 83 |
| | Urban | 4.038 | 20,200 | | 1,376 | 1,376 | | | | | 30,200 | | 1 376 | 1,376 | 34 |
| Sapi-an | Rural | 19,055 | | 660 | 12,017 | 12,677 | | | | | | 660 | 12,017 | 12,677 | 67 |
| . * | Total | 23.093 | | 660 | 13,393 | 14,053 | | | | | | 660 | 13,393 | 14,053 | 61 |
| | Urban | 2,248 | - 1 | | 674 | 674 | | | | | - | | 674 | 674 | 30 |
| Sigma | Rural | 24,264 | | 1,100 | 6,232 | 7,332 | | | | | | 1,100 | 6,232 | 7,332 | 30 |
| | Total | 26,512 | | 1,100 | 6,906 | 8,006 | | | | | | 1,100 | 6,906 | 8,006 | 30 |
| - | Urban | 2,135 | 1 | | 1,747 | 1,747 | | | | | | | 1,747 | 1,747 | 82 |
| Tapaz | Rural | 38,674 | | 500 | 16,576 | 17,076 | I | | | | | 500 | 16,576 | 17,076 | 44 |
| | Total | 10,809 | 1 | 500 | 18,323 | 18,823 | | <u>, , ,]</u> | | | | 500 | 18,123 | 18,823 | 46 |
| Provincial | Urban | 127.609 | 46,515 | 75 | 49,331 | 95,921 | | | | | 46,515 | 75 | 49.331 | 95,921 | 75 |
| Total | Rural | 530,367 | 29,180 | 10,913 | 245,472 | 285,565 | | | | | 29,180 | 10,913 | 245,472 | 285.565 | . 54 |
| | Total] | 657,976 | 75,695 | 10,938 | 294,803 | 381,486 | | | | | 75,695 | 10,983 | 294,893 | 381.486 | 58 |

Table 8.2.2 Population Coverage in Phase I Provided by Served Population in the Base Year (Water Supply)

| Name of | Area | Populat | tion Served | by 1998 F | acilities | 19 | 98 - 1 - 1 - 1 | 20 | 05 |
|---------------------------------------|-------|-----------|--------------|-----------|-----------|---------------------|-----------------|---------------------|-----------------|
| Municipality/City | Alta | Level III | Level II | Level I | Total | Total Population | Coverage (%) | Total Population | Coverage (%) |
| | Urban | | | 1,774 | 1,774 | 3,894 | 46 | 4,938 | 36 |
| Cuartero | Rural | | 402 | 13,981 | 14,383 | 25,529 | 56 | 32,375 | 44 |
| | Total | | 402 | 15,755 | 16,157 | 29,423 | 55 | 37,313 | 43 |
| | Urban | | | 3,864 | 3,864 | 5,646 | 68 | 5,769 | 67 |
| Dao | Rural | | | 17,548 | 17,548 | 24,000 | 73 | 24,521 | 72 |
| | Total | | | 21,412 | 21,412 | 29,646 | 72 | 30,290 | 71 |
| | Urban | | | 2,841 | 2,841 | 3,193 | 89 | 3,768 | 75 |
| Dumalag | Rural | 2,465 | 775 | 18,464 | 21,704 | 27,352 | 79 | 32,277 | 67 |
| · . | Total | 2,465 | 775 | 21,305 | 24,545 | 30,545 | 80 | 36,045 | 68 |
| · | Urban | 1,890 | 75 | 2,309 | 4,274 | 5,447 | 78 | 5,799 | 74 |
| Dumarao | Rurai | 340 | 350 | 28,215 | 28,905 | 33,767 | 86 | 35,944 | 80 |
| | Total | 2,230 | 425 | 30,524 | 33,179 | 39,214 | 85 | 41,743 | 79 |
| • | Urban | 1,285 | | 1,687 | 2,972 | 4,632 | 64 | 5,083 | 58 |
| visan | Rural | 655 | 675 | 10,117 | 11,447 | 19,098 | 60 | 20,957 | 55 |
| | Total | 1,940 | 675 | 11,804 | 14,419 | 23,730 | 61 | 26,040 | 55 |
| · · · · · · · · · · · · · · · · · · · | Urban | | | 722 | 722 | 2,516 | 29 | 3,380 | 21 |
| Jamindan | Rural | | 300 | 1,232 | 1,532 | 36,235 | 4 | 48,670 | 3 |
| | Total | | 300 | 1,954 | 2,254 | 38,751 | 6 | 52,050 | 4 |
| | Urban | | | 2,422 | 2,422 | 4,578 | - 53 | 4,770 | 51 |
| Ma-ayon | Rural | | 500 | 11,636 | 12,136 | | 46 | 27,522 | 44 |
| <u> </u> | Total | | 500 | 14,058 | 14,558 | | 47 | 32,292 | 45 |
| | Urban | 2,175 | | 1,944 | 4,119 | | 63 | 7,279 | 57 |
| Mambusao | Rural | 10 | 660 | 14,196 | 14,866 | 31,068 | 48 | 34,833 | 43 - |
| · · · · · · · · · · · · · · · · · · · | Total | 2,185 | 660 | 16,140 | 18,985 | 37,560 | 51 | 42,112 | 45 |
| , | Urban | 1,685 | | 25 | 1,710 | 2,969 | 58 | 3,283 | 52 |
| Panay | Rural | 4,960 | | 1,166 | 6,126 | 38,031 | 16 | 42,061 | 15 |
| 1 | Total | 6,645 | | 1,191 | 7,836 | | 19 | 45,344 | 17 |
| | Urban | 995 | | 825 | 1,820 | | 69 | 2,726 | 67 |
| Panitan | Rural | 840 | 625 | 19,394 | 20,859 | 31,224 | 67 | 32,258 | 65 |
| | Total | 1,835 | 625 | 20,219 | 22,679 | 33,862 | 67 | 34,984 | 65 |
| | Urban | 860 | | 3,026 | 3,886 | 5,117 | 76 | 5,306 | 73 |
| Pilar | Rural | 195 | - 665 | 24,365 | 25,225 | 32,055 | 79 | 33,241 | 76 |
| | Total | 1,055 | 665 | 27,391 | 29,111 | 37,172 | 78 | 38,547 | 76 |
| | Urban | 3,680 | | 380 | 4,060 | 6,427 | 63 | 6,901 | 59 |
| Pontevedra | Rural | 3,400 | 2,628 | 8,585 | 14,613 | | 44 | 35,570 | 41 |
| | Total | 7,080 | 2,628 | 8,965 | 18,673 | | 47 | 42,471 | 44 |
| | Urban | | | 2,769 | 2,769 | | 42 | 6,972 | 40 |
| President Roxas | Rural | | 125 | 4,997 | 5,122 | 18,736 | 27 | 19,748 | 26 |
| | Total | | 125 | 7,766 | 7,891 | | 31 | 26,720 | 30 |
| | Urban | 33,945 | | 20,946 | | | 93 | 73,329 | 75 |
| Roxas City (Capital) | Rural | 16,315 | 948 | 36,751 | 54,014 | | 75 | 89,131 | 61 |
| | Total | 50,260 | | 57,697 | 108,905 | | 83 | 162,460 | 67 |
| | Urban | 1 | | 1,376 | | | 34 | 4,239 | 32 |
| Sapi-an | Rural | 1 | 660 | 12,017 | | | 67 | 20,002 | 63 |
| | Total | | 660 | 13,393 | 14,053 | | 61 | 24,241 | 58 |
| | Urban | | | 674 | | | 30 | 2,375 | 28 |
| Sigma | Rural | | 1,100 | 6,232 | 7,332 | | 30 | 25,633 | 29 |
| | Total | | 1,100 | | | | 30 | 28,008 | 29 |
| | Urban | T . | 1 <u>-</u> - | 1,747 | | | 82 | 2,179 | 80 |
| Tapaz | Rural | 1 | 500 | 16,576 | | | 44 | 39,474 | 43 |
| • | Total | | 500 | | | | 46 | 41,653 | 45 |
| | Urban | 46,515 | | | 95,921 | | 75 | 148,096 | 65 |
| Provincial Total | Rural | 29,180 | | 245,472 | | | 54 | 594,217 | 48 |
| | Total | 75,695 | | | | | | 742,313 | 51 |

Table 8.2.3 Number of Households Served by Sanitary Toilets in the Base Year (1998)

| | | | Number of | Households | | Using Sanitary Toilets in 1998 | s in 1998 | Recipient | HHs of Plan | Recipient IHs of Planned/On-going Projects | going | | Househ | dds Using ! | Households Using Sanitary Tollets in the Base Year (1908) | lets in the | Base Yea | r (1998) | - |
|----------------------|---------|----------------------|------------|------------|------------|--------------------------------|-----------|-----------|-------------|---|-------|--------|---------|-------------|---|-------------|----------|-------------|-------|
| Nuoicipality/City | Area | ropuration (1998) | Households | d'amig | \vdash | | - | \vdash | \vdash | | | | Numb | er | | | Cover | Overage (%) | |
| | | (1) | (1998) | Toilets | E district | VIP/Dry | Total | Flush | a di di | VID/91V | Total | Flush | Pour | V1P/Dry | Totai | Flush | Pour | VIP/Dry | Total |
| | Urban | 3,894 | 712 | 152 | 512 | 23 | 976 | | | | | 152 | 512 | 12 | 676 | - 2 | 27 | ۲, | \$6 |
| Cuartero | Rural | 25,529 | 4,510 | | 250 | 21 | 172 | | | | | | 250 | 2.1 | 271 | | ٥ | | Ş |
| | Total | 29,423 | 5.222 | | 762 | 33 | 947 | _ | - | | | 1551 | 762 | 33 | 747 | 3 | 1.5 | - | 84 |
| | Urban | 5.646 | 1,084 | 38 | 2.5 | | 1,009 | | - | | | 381 | 971 | | 1,009 | 4 | - 06 | | 63 |
| Dao | Rural | 24,000 | \$17.5 | | 1.571 | 2.6.5 | 4.206 | | - | | | | 1.571 | 2,635 | 4 706 | | 33 | 95 | 6× |
| | Total | 29,646 | 5,799 | 38 | 2.542 | 2,635 | 5,215 | _ | | | | 38 | 2.542 | 2,635 | 5,215 | _ | 4 | 45 | 06 |
| | Urban | 3,193 | 576 | () | 370 | | 383 | - | | | | 13 | 370 | | 383 | ٤, | 45 | | 8 |
| Dumalag | Rural | 27,352 | 820'8 | | 2,585 | 1,779 | 4,364 | | | | | | 2,5×5 | 1,779 | 4,364 | | 51 | 35 | *7 |
| | Total | 30,545 | 5.004 | 13 | 2,955 | 67.1 | 4,747 | | | | | 13 | 2.955 | 1,779 | 4.747 | | 53 | 32 | ×\$ |
| | Urban | 5,447 | 1,123 | | 10% | 206 | 1,047 | | | | | 04 | 108 | 206 | 7,96,7 | 4 | 1. | × | 93 |
| Dumanao | Rural | -33,767 | 6.726 | | 241 | 4,813 | 5,066 | | | | | 12 | 241 | 4,813 | 5.066 | | 4 | 72 | 7.5 |
| | Total | 39,214 | 7,849 | | 1,042 | 5.019 | 6,113 | | | | | 25 | 1,042 | 5,019 | 6,113 | _ | | ß | 25 |
| | Urban | 4,612 | 864 | | 804 | | X04 | | | | | | 808 | | X04 | | 93 | | 93 |
| lvisan | Rural | 19,09x | 3,752 | | 2,540 | | 2,540 | | | | | | 2.540 | | 2.540 | | 39 | | × |
| | Tota]. | 23,730 | 4.616 | | 3,344 | _ | 3,344 | | | | | | 3.344 | | 3,344 | | 7.2 | | 7.2 |
| | Urban | 2,516 | 808 | | 450 | 40 | 490 | | | | | | 450 | 07 | 490 | | 68 | × | 8 |
| Jamindan | Rurai | 36.235 | 6,928 | | 1.290 | 4.856 | 6.146 | - | | | | | 1.290 | 4,856 | 6,146 | | 2 | 70 | ĝ |
| | Total | 38,751 | 7,436 | | 1,740 | 4,896 | 6,656 | _ | | | | | 1.740 | 4,896 | 6,636 | | ន | 8 | ¢ |
| | Urban | 4,578 | 66k | | 289 | 163 | 845 | - | - | | | | 682 | 163 | \$45 | | 8 | ×- | 8 |
| Ma-ayon | Rural | 26,410 | 5,079 | | 2.459 | 1,125 | 3,584 | _ | | | | | 2.459 | 1,125 | 3,584 | | 87 | 22 | - |
| | Total | 30,988 | | | 3,141 | 1.288 | 4,429 | | | | | | 3,141 | 1,288 | 4,429 | | 53 | 22 | 47 |
| | Urban | 6.492 | | | 439 | \$42 | 1,081 | | - | | | | 439 | 042 | 1 081 | | 37 | 55 | 92 |
| Mambusao | Rural | 31,068 | 0.140 | | 2 | 5,390 | 5,392 | | | | | | 2 | 5,390 | 5,392 | | | 88 | 88 |
| | Total | 37,560 | | | 44 | 6.032 | 6,473 | | | | | | 44 | 6,032 | 6,473 | | 9 | 23 | 68 |
| | Urban | 2,969 | | | 808 | | 895 | | | | | | ¥95 | | 268 | | - 26 | _ | 97 |
| Panay | Rural | 38,031 | 6.940 | | 5.699 | | 5,699 | | - | | | | 5,699 | | \$.699 | - | 82 | ĺ | 82 |
| | Total | 41.000 | 7,528 | | 6.267 | | 6.267 | | | | | | 6.267 | | 6,267 | | 83 | | 83 |
| | Cirban | 2,638 | | 61 | 386 | | 385 | | | - | | 61 | 366 | | 385 | 4 | 72 | | 77 |
| Panitan | Rural | 31,224 | | | 1.742 | | 1,742 | | | | | | 1.742 | | 1.742 | | 61 | | 29 |
| | Total | 33,862 | | 61 | 2,10x | | 2,127 | | | | | 61 | 2.108 | | 2.127 | - | 33 | - | 33 |
| | Crban | 5,117 | 1,036 | | 816 | | 918 | | - | | | | 918 | | 816 | | 6% | _ | 86 |
| Pilar Pilar | Kum] | 32,055 | 6.200 | | 1,092 | 4.406 | 5,498 | | _ | - | | | 1.092 | 4,406 | 5.49K | _ | × | 7.1 | 80 |
| | Total | 37.172 | 7,236 | | 2,010 | 4,406 | 6.416 | | | | | | 2,010 | 4,406 | 6.416 | | 38 | 19 | 68 |
| | Urban | 6,427 | 1,128 | 379 | 488 | 66 | 096 | - | ~ | | | 379 | 488 | 63 | 096 | ,t | 43 | × | 88 |
| Pontevedra | Rura | 33.126 | | i | 4,104 | 900 | 8.528 | _ | - | | | 388 | 4,104 | 1.036 | 5.52K | 9 | 99 | 11 | 6% |
| | Total | 39,553 | | 767 | 4.592 | 1.129 | 6,488 | | | | | 767 | 4.592 | 1,129 | 6.488 | 01 | 63 | 15 | 0× |
| | Urban | \$19.9 | | | 635 | 330 | 974 | | | | | | 63.5 | 336 | 974 | | 98 | 7.2 | 76 |
| President Roxas | Rural | 18,736 | 3,562 | | 712.5 | 774 | 2,991 | | | | | - | 2,217 | 774 | 166 5 | | 62 | 51 | \$ |
| | Total | 25,351 | 4.839 | | 2.852 | 1,113 | 3,965 | | | | | | 2,852 | 1,113 | 3.965 | - | 65 | F) | 2% |
| | Urban | 59.024 | | | 6.954 | 67.1 | 18711 | | | - | | 4.14K | 6.954 | 179 | 11,281 | 36 | 09 | £.1 | SG |
| Royas City (Capital) | Rural | 71,743 | 13,588 | 2.802 | 165.0 | 821 | 12,714 | | | | | 13.802 | 165.6 | 128 | 12,714 | .: | SS | 7 | 7.0 |
| | Total t | 130.767 | | 1 | 16,345 | 700 | 23,998 | | | | | 056'9 | 16,345] | 700 | 23,995 | χ, | Ş | ٠. | Š |

Table 8.2.3 Number of Households Served by Sanitary Toikes in the Base Year (1998)

| , | | | Number of Households U | Househole | ls Using San | Sing Sanitary Tollers in 1998 | fx in 1998 | Recipier | nt HHs of | Recipient HHs of Planned/On-going | Sping | | Househol | lds Using | Households Using Santracy Tollars in the Base Name of Street | Total the | Yana Vana | ás | Î |
|------------------|-------|------------|------------------------|-----------|--------------|-------------------------------|------------|------------|-----------|-----------------------------------|-----------|-------|----------|---------------|--|-----------|--------------|---------|-------|
| Municipality | Area | Population | Households | Flush | - Jac | | | | Pour | | | | Number | | - | | Coverage (%) | (%) | |
| | | (9,647) | (1008) | Toilets | Flush | VIP/Ory | Tota | Elush C | Flush | VIP/Dry | Hota | Flush | <u> </u> | V1P/Dry | Total | Fluxh | F | VIP/Dr. | Total |
| | Cream | 4,038 | 808 | | 742 | Ì | 742 | Ī | | ĺ | | | 17.2 | 1 | ŀ | ╂ | 1 | | • |
| Sapi-an | Rural | 19,055 | 3.657 | | 2.895 | | 2 805 | | Ī | | \dagger | - | 7000 | 1 | 178/ | 1 | 92 | - | 92 |
| | Tota | 23.003 | 4463 | | 2 637 | † | 2000 | | 1 | † | 1 | + | 6,675 | $\frac{1}{1}$ | 2,895 | | 2 | _ | 20 |
| | 1 | 27.00 | | | | | 15035 | | | 1 | | | 5.637 | | 3,637 | | 18 | - | × |
| | | 0 717 | | | 83 | 7771 | 383 | | | | | - | 201 | 22 | 383 | - | × | 7.7 | ş |
| | Z Z | 87.7 | 4.59 | | 173 | 3,290 | 3,463 | | | | | | 173 | 3,280 | 3.467 | - | l | 5 | |
| | Lour | 26.512 | 5,186 | | 434 | 3.412 | 3846 | | | - | - | | | | 200 | | 1 | 60 | ? |
| | Urban | 2,135 | FOF | | 1,2 | | | | | | | 1 | 1 | 2,4,5 | 3,846 | | 8 | 8 | 74 |
| Tapaz | 23 | A7.4 X.F | 100.7 | | 130 | 1 | 37.5 | | | | | - | <u>.</u> | | 371 | - | 26 | - | 42 |
| | į | 00000 | 1000 | | 000 | 000 | 3,572 | | Ī | + | _ | | 1,856 | 1,536 | 3,392 | - | 24 | 2 | Ę |
| | 90. | \$0.00° | 047'V |] | 1777 | 1.5.50 | 3,763 | | | | | | 2,227 | 1.536 | 3,763 | L | l | 0 | * |
| 1 | Ē | 127,609 | 24,678 | 4.789 | 16,332 | 1.796 | 22.917 | _ | | - | | 4.789 | 16,332 | 78 | 710 66 | ٥ | 1 | | |
| Provincial Total | Rura | 530,367 | 101,596 | 3.202 | 40.107 | 32,182 | 75,491 | | | | | Ľ | 40 107 | , | | <u> </u> | + | | 2 |
| | Total | 657,976 | 126,274 | 1,99,1 | 56.439 | 33.97× | VX.40X | - | | | - | ı | 0.00 | 7707 | 1200 | | | 32 | 74 |
| | | | | | | | | | | | | | 0.439 | 876,55 | 98,40K | | 45 | 27 | * |

Table 8.2.4 Number of Public School Student Served by School Toilets in Base Year (1998)

| d No. of that can ved by Coverage (%) in Base 1998) | 640 10 | 960 16 | 1,600 29 | 3,920 39 | 1,440 23 | 2,480 27 | 3,200 33 | 1,640 22 | 1,200 14 | 2,160 26 | 2,080 20 | 1,840 18 | 1,280 21 | 6,360 23 | 1,920 31 | 1,280 26 | 2,120 20 | 36,120 23 |
|---|----------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|-----------------|----------------------|----------|----------|----------|------------------|
| Standard No. of Students that can be Served by Toilets in Base Year (1998) | | | | | - | | | | | | | | | | | | | |
| Standard No. of No. of Student to Student that can be Served by Dlanned /On-1998 going Projects | | | | | | | | | | | | | | | | | | |
| Standard No. of Student that can be Served by 1998 | 040 | 960 | 1,500 | 3,920 | 1,440 | 2,480 | 3,200 | 1,640 | 1,200 | 2,160 | 2,080 | 1,840 | 1,280 | 6,360 | 1,920 | 1,280 | 2,120 | 36,120 |
| 1998 Total Number of Public School Student | 669'9 | 6,146 | 5,510 | 10,120 | 6,269 | 9,196 | 009'6 | 7,311 | 8,778 | 8,282 | 10,277 | 10,201 | 6,224 | 27,754 | 6,237 | 4.873 | 10,472 | 153,949 |
| Name of Municipality/City | Cuartero | Dao | Dumalag | Dumarao | Ivisan | Jamindan | Ma-ayon | Mambusao | Panay | Panitan | Pilar | Pontevedra | President Roxas | Roxas City (Capital) | Sapi-an | Sigma | Tapaz | Provincial Total |

Table 8.2.5 Number of Public Utilities with Sanitary Toilets in the Base Year (1998)

| Name of Municipality/City | Type | No. of PU with Toilets in 1998 | No. of PU with Sanitary Toilets in 1998 | No. of PU with Toilets in Planned On- going Project | No. of PU with Sanitary Toilets in Planned On- going Projects | No. of PU with Toilets in Base Year 1998 | No. of PU with Sanitary Toilets in Base year 1998 | Coverage (%) |
|------------------------------|--|---------------------------------------|---|--|---|--|--|--------------|
| | Public Market | 2 | 2 | | | 2 | 2 | 100 |
| Cuartero | Bus/Jeepney Terminal | | | | | | · - | |
| | Parks Playground | | | | | | | |
| · | Total | 2 | 2 | | | 2 | 2 | 100 |
| | Public Market Bus Jeepney Terminal | 2 | 2 | | | 2 | 2 | 100 |
| Dao | Parks Playground | 2 | | · · · · · · · · · · · · · · · · · · · | | | | |
| | Total | 4 | 2 | | | 2 | 2 | 100 |
| | Public Market | 2 | 2 | | | 4 | 4 | 100 |
| 0 | Bus Jeepney Tenninal | | | | | 2 | 2 | 001 |
| Duntalag | Parks Playground | 2 | 2 | | | 2 | 2 | 100 |
| | Total | 4 | 4 | | | 4 | 4 | 100 |
| | Public Market | 1 | 1 | | | 1 | <u>-</u> | 100 |
| Dumarao | Bus Jeepney Terminal | | | | | 7 | | |
| | Parks Playground | 2 | | | | 2 | | |
| | Total | 3 | | | | 3 | 1 | 33 |
| | Public Market | 2 | 2 | | | 2 | 2 | 100 |
| lvisan | Bus/Jeepney Terminal Parks/Playground | 7-7- | | | | | | |
| | Total | | | | | | | |
| | Public Market | 2 2 | 2 2 | | | | 2 | 100 |
| | Bus Jeepney Terminal | | - | | | 2 | 2 | 100 |
| lamindan | Parks Playground | 2 | 2 | | | | | |
| | Total | 4 | 4 | | | 4 | 2 | 100 |
| | Public Market | 2 | 2 | | | 2 | 4 2 | 100 |
| Ma-ayon | Bus/Jeepney Terminal | | | | | - | | 100 |
| -10 4) (11 | Parks Flayground | 2 | 2 | | | 2 | 2 | 100 |
| | Total | 4 | 4 | | | 4 | - | 100 |
| <u>.</u> | Public Market | 2 | 1 | | | 2 | I . | 50 |
| Mambusao | Bus/Jeepney Terminal | | | | | | | |
| | Parks Playground Total | 2 | | | | 2 | | |
| | Public Market | 4 | 2 | · | | 4 | | 25 |
| 4. | Bus Jeepney Tenninal | | | | | 2 | 2 | 100 |
| Panay | Parks Playground | | | | | | —-;——— | |
| | Total | 2 | 2 | | | | | |
| | Public Market | 2 | 2 | | | 2 | | 100 |
| Panitan . | Bus Jeeoney Terininal | | | | | | | 100 |
| uninan . | Parks Playground | 2 | 2 | | | 2 | 2 | 100 |
| | Total | 4 | 4 | | | 4 | 4 | 100 |
| • | Public Market | . 2 | 2 | | | 2 | 2 | 160 |
| Pilar | Bus Jeepney Terminal Parks Playeround | | | | | | | |
| | Total | · · · · · · · · · · · · · · · · · · · | | | <u>+ / </u> | | | |
| | Public Market | 2 | - 2 | | | 2 | 2 | 100 |
| | Bus Jeepney Terminal | | 2 | | | 2 | 2 | 100 |
| Pontevedra | Parks Playground | | | | | | | |
| *. | Total | <u> </u> | 2 | | | 2 | | |
| | Public Market | 2 | 2 | | · · · · · · · · · · · · · · · · · · · | 2 | 2 | 100 |
| resident Roxas | Bus Jeepney Tenninal | | | | | | | 100 |
| | Parks Play ground | | | | | | | |
| | Total | 2 | 2 | | | 2 | 2 | 100 |
| 1 | Public Market | 10 | 10 | | | 10 | 10 | 100 |
| Roxas City (Capital) | Bus Jeepney Terminal | 3 | 3 | | | 3 | 3 | 100 |
| : | Parks Playground Total | | | | | | | |
| | Public Market | 13 2 | 13 | | | 13 | 13 | 100 |
| | Bus Jeepney Jerminal | —— - | | | | | 2 | 160 |
| iapi-an | Parks Playground | | | | | | | ·· |
| | Total | . 2 | 2 | | | 2 | 2 | |
| | Public Market | 2 | 2 | | | 2 | ? | 100 |
| itgma | Bus/Jeepney Terminal | | | | · : | | | |
| | Parks Playground | | | | | | | |
| | Total | 2 | 2 | | | 2 | 2 | 100 |
| | Public Market | 3 | 3 | | | 3 | 3 | 100 |
| | Bus Jeepney Terminal | | الصنيسب | | <i>;</i> ; | - | | |
| | Parks Playground Total | <u>2</u> 5 | 2 | | | 2 | | . 100 |
| | Public Market | | 5 | | | | | 100 |
| | Bus/Jeepney Terminal | 42 | 41 3 | | <u> </u> | 12 | 41 | 98 |
| | conseques (CHRRHA) | 3] | | | - 1 | 3 | 3 | 100 |
| Provincial Total | Parks Playground | 16 | 12 | | | 16 | 12 | 75 |

Table 8.2.6 Households Coverage in Phase I Provided by Existing Facilities in the Base Year (Household Toilets)

| | | No. of He | busehold Serve Facilities | No. of Household Served by Existing Facilities | visting | | | Cove | Coverage in 1998 | 8661 | | | | | Ó | Coverage in 2005 | 2005 | | |
|------------------------------|---------|-----------|------------------------------|---|---------|--------|----------|---------------------------------|------------------|--------|-------------------|---------|---------|--------|---------------------------------|------------------|---------|-------------------|----------|
| Name of Municipality/City | Area | | Pour | | | No. | Percenta | Percentage of Served Households | ved Hous | eholds | Served Population | ulation | 70.07 | Percen | Percentage of Served Households | ved Hou | scholds | Served Population | pulation |
| | | Flush | Flush | VIP/Dry | Total | HHs | Flush | Pour Flush | VIP/ Dry | Total | Number | % | нн | Flush | Pour Flush | VIP/ Drv | Total | Number | % |
| | Urban | 152 | 512 | 12 | 676 | 712 | 2.1 | 72 | 2 | 95 | 3:699 | - 65 | 903 | 17 | 25 | - | 75 | 4,136 | 75 · |
| Cuartero . | Rurai | | 250 | 21 | 172 | 4,510 | | \$ | | 9 | 234 | 9 | 5.720 | | 4 | | 5 | 1,812 | \$ |
| | Total | 152 | 762 | .33 | 447 | 5,222 | 3 | 15 | 1 | 18 | 3,933 | 18 | 6.623 | 2 | 12 | | 4 | 5.948 | 14 |
| The second of the second | Urban | 3.8 | 1:26 | | 1 000 | 1.084 | 4 | 06 | | 93 | 5.251 | 93 | 1.107 | 3. | 88 | | 16 | 7.327 | 6 |
| Dao | Rural | | 1,571 | 2.635 | 4.206 | 4.715 | | 33 | 99 | 68 | 5.025 | 68 | 4.817 | | 33 | 55 | 87 | 20,990 | 87 |
| | Total | - 38 | 2,542 | -2.635 | 5.215 | 5.799 | 1 | 44 | 45 | 06 | 10,276 | -06 | 5.924 | I | 43 | 44 | 88 | 28,317 | 88 |
| | Urban | -13 | 370 | | 383 | 576 | 2 | \$ | | 99 | 2.107 | 99 | 089 | 2 | 54 | | 56 | 2,297 | 56 |
| Dumalag | Rum | | 2.585 | 1.779 | 4,364 | 5.028 | | 51 | 35 | 28 | 2,778 | 87 | 5:633 | | 77 | 30 | 74 | 25,709 | 74 |
| | Total | 13 | 2.955 | 1.779 | 4.747 | 5.604 | | 53 | 32 | 88 | 4.885 | 85 | 6,613 | | 45 | 27 | 72 | 28,006 | 72 |
| | Urban | 40 | 801 | 506 | 1.047 | 1.123 | 4 | 17 | 18 | 93 | 5,066 | 93 | 961.1 | 3 | 67 | 1.7 | 88 | 6.931 | 88 |
| Dumarao | Rural | 12 | 241 | 4,813 | 5.066 | 6,726 | | 4 | 7.2 | 7.5 | 4.085 | 7.5 | 091.7 | | .3 | - 67 | 71 | 26,293 | 71 |
| | Total | - 52 | 1,042 | 5.019 | 6,113 | 7,849 | - | 13 | 2 | 78 | 9,151 | 78 | 958'8 | - | 12 | 09 | 73 | 33,224 | 7.3 |
| | Urban | | 80¢ | | 804 | 864 | | 93 | | 93 | 4,308 | દુ | 876 | | 85 | | 85 | 4.779 | \$8 |
| lvisan | Rural | | 2.540 | | 2.540 | 3,752 | | - 89 | | 89 | 3.150 | 89 | 4,117 | | 62 | | 62 | 14,037 | 62 |
| | Total | | 3,344 | | 3,344 | 4,616 | | 72 | | 72 | 7.458 | 72 | \$90'\$ | | 99 | | 99 | 18,816 | 99 |
| | Urban | | 450 | 40 | 400 | 208 | | 68 | 8 | 96 | 2,415 | 96 | 683 | | 99 | 9 | 72 | 2,918 | 72 |
| Jamindan | Rura | | 1.290 | 4,856 | 6,146 | 6,928 | | 61 | 70 | 68 | 2,239 | 68 | 905.6 | | -14 | 52 | 99 | 34.815 | 99 |
| | Total | | 1,740 | 4.896 | 6,636 | 7,436 | | 23 | 99 | 89 | 4,654 | 68 | 686.6 | | 17 | 46 | 99 | 37.733 | \$\$ |
| 1.0 | Urban | | 682 | 163 | 845 | 868 | | 92 | 18 | 94 | 4,303 | 94 | 637 | | 7.3 | 17 | 90 | 4.694 | 8 |
| Ma-ayon | Rural | | 2,459 | 1,125 | 3.584 | 5.079 | | 48 | 22 | 71 | 3,250 | 71 | 5,293 | | 46 | 21 | 68 | 19,498 | 68 |
| | Total | | 3,141 | 1,288 | 4,429 | 5,978 | | 53 | 22 | 74 | 7,553 | 74 | 6,230 | | 90 | 21 | 7.1 | 24.192 | 7.1 |
| 4 4 | Urban | | 439 | 642 | 1.031 | 1.174 | | 37 | 55 | 95 | 5.973 | 92 | 1.316 | | 33 | 65 | 82 | 6.481 | 82 |
| Mambusao | Rural | | 2 | 5,390 | 5,392 | 6,140 | | | 88 | 88 | 5,713 | 88 | 6.884 | | | 78 | 78 | 27.618 | 78 |
| | Total | | 441 | 6.032 | 6,473 | 7,314 | | 9 | 82 | 89 | 11,686 | 68 | 8.200 | | 5 | 74 | - 26 | 34.099 | 79 |
| | Urban | | 268 | | 268 | 588 | | 9.7 | - | 6. | 2.880 | 26 | 089 | | 8.7 | | 87 | 2.945 | 87 |
| Panay | Rural | | 5,699 | | 5.699 | 6,940 | | 82 | | 82 | 2,435 | 82 | 7.675 | | 74 | | 74 | 33,264 | 74 |
| | Total | | 6,267 | | 6,267 | 7,528 | | 83 | | 83 | 5,315 | 83 | 8.325 | | 7.5 | | 7.5 | 36,209 | 52 |
| | Urban | 61 | 366 | | 385 | 205 | 4 | 73 | | 77 | 2,031 | 77 | 818 | 4 | 1/ | | 74 | 2.110 | 74 |
| Panitan | Rural | | 1,742 | | 1.742 | 5.947 | | 29 | | 5.6 | 765 | 59 | 6.144 | | 28 | | 28 | 6.553 | 23 |
| | Total | 6. | 2,108 | | 2,127 | 6,449 | | 33 | | 33 | 2.796 | 33 | 6,663 | | 32 | | 32 | 11.663 | 32 |
| | Urban | | 918 | | 816 | 1.036 | | 89 | | 68 | 4,554 | 68 | 1.074 | | 85 | | 85 | 6.100 | 85 |
| Pilar | Rural | | 1,092 | 4.406 | 5.408 | 6.200 | | 8 | 7.1 | 68 | 4.554 | 68 | 6,430 | | 17 | 69 | 86 | 28,929 | 86 |
| | [Fotal | | 2.010 | 4.406 | 6,416 | 7.236] | | 28 | 61 | 68 | 901.6 | 80 | 7.504 | | 27 | - 59 | 86 | 35.029 | 86 |

Table 8.2.6 Households Coverage in Phase I Provided by Existing Facilities in the Base Year (Household Toilets) (Cont'd)

| Municipality/City Municipality/City Urban Pontevedra Rural | | 2000 | No. of Household Served by Existing | Xisting | | | Co | Coverage in 1998 | 1998 | | | | | Ŝ | Coverage in 2005 | 3 | | |
|--|-------|--------|-------------------------------------|---------|---------|----------|---------------|---------------------------------|---------|-------------------|----------|---------|---------|------------|---------------------------------|----------|-------------------|----------|
| nlity/City | _ | Pour | | - | No. of | Percenta | ge of Ser | Percentage of Served Households | scholds | Served Population | pulation | 70 33 | Percent | age of Ser | Percentage of Served Households | seholds | Served Population | oulation |
| | Flush | Flush | VIP/Dry | Total | ння | Flush | Pour Flush | VIP/ | Total | Number | % | HH. | Flush | Pour | VIP/ Drv | Total | Number | % |
| | 379 | 488 | . 93 | 096 | 1,128 | 34 | 43 | ∞ | 85: } | 5,463 | 85 | 1.21.1 | 31 | 64 | ~ | 79 | 5,892 | 27 |
| | | | 1.036 | 5.528 | 6,192 | 9 | 99 | 17 | 68 | 5,720 | 68 | 6,649 | ş | 62 | 92 | 83 | 31,565 | 83 |
| Total | 767 | 4 | 1,129 | 6,488 | 7.320 | 01 | 63 | 15 | 89 | 11.183 | 68 | 7.860 | 2 | 28 | 4 | 83 | 37,457 | 83 |
| Urban | | 635 | 339 | 974 | 1,277 | | 20 | 27 | 76 | 5.027 | 9/ | 1.346 | | 47 | 25 | 72 | 4,994 | 72 |
| President Roxas Rural | | 2.217 | 774 | 2,991 | 3.562 | | 62 | 22 | 84 | 5,557 | 84 | 3,754 | | 65 | 21 | S | 16.583 | 8 |
| Total | | 2,852 | 1.113 | 3.965 | 4.839 | | 59 | 23 | 82 | 10,584 | 82 | 5.100 | | જ | 22 | 78 | 21.577 | 28 |
| Urban | 4,148 | 6,954 | 179 | 11.281 | 11,551 | 36 | 09 | 2 | 86 | 57.844 | 86 | 14,350 | 56 | 48 | - | 42 | 81.281 | 79 |
| Roxas City (Capital) Rural | 2,802 | | 521 | 12,714 | 13.588 | 21 | 69 | 4 | 94 | 55,483 | 24 | 188'91 | 17 | 95 | 3 | 75 | 60,205 | 75 |
| Total | 6,950 | Ť | 700 | 23,995 | 25,139 | 28 | 65 | 3 | 56 | 113,327 | 95 | 31.231 | 22 | 52 | 2 | 77 | 141,486 | 77 |
| | | 742 | | 742 | 90g | | 92 | | 65 | 3,715 | - 65 | 846 | | 88 | | 88 | 4.109 | 88 |
| Sapi-an Rural | | 2,895 | | 2,895 | 3,657 | | 62 | | 79 | 3,190 | - 62 | 3.839 | | 52 | | 7.5 | 15,698 | 75 |
| Total | | 3.637 | | 3.637 | 4,463 | | 81 | | 81 | 6,905 | 81 | 4.685 | | 8. | - | 78 | 19.807 | 78 |
| Urban | | 261 | 122 | 383 | 47 | | 28 | 27 | 98 | 1,933 | 98 | 472 | | 55 | 56 | 81 | 1.924 | 81 |
| Sigma | | 173 | 3.2% | 3.463 | 4,739 | | 4 | 69 | 73 | 1.64 | 73 | 5.006 | | 3 | 99 | 69 | 19,243 | 69 |
| Total | | 434 | 3,412 | 3,846 | 5.186 | | 8 | 99 | 74 | 3,574 | 74 | 5,478 | | 8 | 62 | 2 | 21,167 | 5 |
| Urban | | 371 | | 371 | 403 | | 92 | | 95 | 1.964 | 92 | 411 | | 06 | | 8 | 2.085 | 8 |
| Tapaz | | 1,856 | 1,536 | 3.392 | 7,893 | | 24 | 61 | 43 | 918 | 43 | 8.056 | | 23 | 19 | 42 | 17.294 | 42 |
| Total | | 2,227 | 1.536 | 3,763 | 8,296 | | 27 | 61 | 45 | 2,882 | 4.5 | 8,467 | | 56 | 18 | 4 | 19.379 | 4 |
| Urban | | | 1.796 | 22.917 | 24.678 | 1.9 | 99 | ۷ . | 93 | 118,533 | 63 | 28,649 | : 2: | 2.5 | 9 | 98 98 | 151.003 | 80 |
| Provincial Total Rural | 3,202 | | 32:182 | 75.491 | 101.596 | ~ | 39 | 32 | 7.5 | 106,737 | 74 | 113,664 | 3 | 35 | 28 | 99 | 403.106 | 93 |
| Total | 7.991 | 56,439 | 33.978 | 98.408 | 126.274 | \$ | 45 | 27 | . 78 | 225,270 | 78 | 142,313 | 9 | 040 | 24 | 69 | 554,109 | 69 |

Table 8.2.7 Public School Students and Public Utilities Coverage in Phase I by Existing Facilities in the Base Year

| | | | | | $\overline{1}$ | 1 | L | T | <u> </u> | | | Τ | Π | | Π | Γ | Π | T | T | T | L | Ī |
|-----------------------|-----------------------------------|------------------------------|--------------|--------------|----------------|-------|---------|---------|----------|----------|---------|----------|--------|---------|--------|------------|-----------------|----------------------|---------|-------|--------|------------------|
| | | | % | | 4 | 100 | 8 | 25 | જ | 100 | 100 | 25 | 50 | 82 | 4 | 8 | 50 | 108 | 50 | SS | 100 | |
| | Coverage in 2005 | No. of PU with | Sanitary | Toilets in | 2 | 4 | 4 | - | 2 | 4 | 4 | | 2 | 4 | 2 | 7 | 2 | 13 | 2 | 2 | 5 | |
| Foilets | Cove | No. of pri | with Toilets | אירוו דמשכני | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | S | 4 | 4 | 12 | 4 | 4 | 5 | |
| Public Toilets | | | % | : | 100 | 100 | 100 | 33 | 100 | 100 | 100 | 25 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| | Coverage in 1998 | No. of PU with | Sanitary | Toilets in | 2 | 4 | 4 | | 2 | 4 | 4 | | 2 | 4 | 7 | 2 | 2 | 13 | 2 | 7 | S | |
| | Cover | No. of PU | with Toilets | in Base Year | 2 | 4 | 4 | 3 | 2 | 4 | 4 | 4 | 2 | 4 | 2 | 2 | 2 | 13 | 2 | 2 | 2 | |
| | n 2005 | .\$. . (*) | % | | 7 | 14 | 24 | 37 | 20 | 19 | 34 | 18 | 12 | 24 | 19 | 17 | 18 | 18 | 29 | 23 | 20 | |
| ilets | Coverage | Total No. | School | Student | 8,719 | 6,883 | 6,670 | 10,547 | 7,146 | 12,842 | 9,524 | 9,011 | 10,287 | 9,148 | 10,808 | 11,138 | 7,076 | 36,215 | 6,684 | 5,562 | 10,869 | (O. O |
| lool To | n 1998 | | % | | 10 | 16 | 29 | 39 | 23 | 27. | 33; | 22 | 14 | 26 | 20 | 18 | 2.1 | 23 | 31 | 97 | 20 | ć |
| Public School Toilets | Coverage in 1998 Coverage in 2005 | Total No. | School | Students | 669'9 | 6,146 | 5,510 | 10,120 | 6,269 | 9,196 | 9.600 | 7,311 | 8.778 | 8,282 | 10,277 | 10,201 | 6,224 | 27,754 | 6.237 | 4,873 | 10,472 | 01002. |
| | Std. No. of | - | Served by | Base Year | 970 | 096 | 1,600 | 3.920 | 1,440 | 2,480 | 3,200 | 1,640 | 1,200 | 2,160 | 2,080 | 1,840 | 1,280 | 6.360 | 1,920 | 1,280 | 2.120 | 061 26 |
| | | Name of Municipality/City | | | Cuartero | Dao | Dumalag | Dumarao | Ivisan | Jamindan | Ma-ayon | Mambusao | Panay | Panitan | Pılar | Pontevedra | President Roxas | Roxas City (Capital) | Sapi-an | Sigma | Tapaz | Decreio de Total |

8.3 Projection of Frame Values

8.3.1 Review of Past Population Development and Population Projection

The future population of the region and the province has been projected by the NSO. However, the NSO does not prepare municipal population. With regard to this, the municipal population for the years 1998 (planning base year), 2005 (medium-term target year) and 2010 (long-term target year) was projected in this study. Available information for the study at present is as follows:

- NSO population census results from 1980 to 1995
- 1995 Census-based Regional and Provincial Population Projection prepared by the NSO
- Provincial Physical Framework Plan/Comprehensive Provincial Land Use Plan (1993-2003) prepared by the Provincial Office (hereafter referred to as "the Land Use Plan")

(1) 1995 Census-Based Regional and Provincial Population Projections: NSO

The NSO conducted regional and provincial population projections for the period 1995-2020. The assumptions take into account future trends in the demographic processes of fertility, mortality and migration required by the cohort-component method for projecting population. The 1995 Population Census was used as the basis for the projection.

In the regional population projection, the subject region for this study; Region VI is classified as the medium-sized region (at least 5 million but less than 10 million by year 2000). The following are the result of projection for the region and the province of Capiz in 2000, 2005 and 2010.

Table 8.3.1 Regional and Provincial Population Projection by NSO

| Y | ear | 1980 | 1990 | 1995 | 2000 | 2005 | 2010 |
|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Region VI | Population | 4,525,615 | 5,393,333 | 5,756,623 | 6,328,671 | 6,890,447 | 7,428,329 |
| I reston 11 | Growth Rate | • | 1.77% | 1.31% | 1.91% | 1.72% | 1.51% |
| Capiz | Population | 492,231 | 584,091 | *622,034 | 681,949 | 742,312 | 801,742 |
| Cupiz | Growth Rate | | 1.73% | 1.27% | 1.86% | 1.71% | 1.55% |

Note: Average annual growth rates: geometric growth rate

In the past development, annual growth rates of the region and province between 1990 and 1995 decreased compared with those of previous census period. The growth rates of Region VI and the province from 1980 to 1995 were almost same. Although the both growth rates of the region and province between 1990 and 1995 decreased more than 70% compared with those of previous census period, the NSO considered the previous development for its projection. Thus, the growth rates of the region with 5-year interval

^{*} Population of the province as of Sep. 1 was 624,469 (1995 Census), 622,034 (as of May, 1995)

between 1995 and 2010 are assumed at 1.91%, 1.72% and 1.51%, respectively. Likewise, those of the province are 1.86%, 1.71% and 1.55%, respectively.

(2) The Land Use Plan: Province of Capiz (Planning period 1993-2002)

The population projection on the provincial total and component municipalities together with the regional population was made with a base year 1990. The population for the year 2002 was projected using a uniform growth rate between 1990 and 2002 referring to the experience from 1980 to 1990 (census years). The regional and provincial growth rate between 1980 and 1990 were 1.77% and 1.73%, respectively.

The following are comparison of the projected population for year 2002 between the Land Use Plan and NSO.

| | Land Use Plan | <u>NSO</u> | <u>Comparison</u> |
|-----------------------|---------------|------------|----------------------|
| Regional Population | 6,664,703 | 6,890,447 | 3.3% lower than NSO |
| Provincial Population | 715,996 | 706,086 | 1.4% higher than NSO |

In comparison between Land Use Plan and NSO's projection for year 2002, there is no significant difference both in regional and provincial population.

While Table 8.3.2 shows past population developments in census years (1980-1995) and projections for the years 1995 and 2002 by municipality as a base year 1990 in application of assumed annual growth rates for the period 1990 to 2002 in the said Land Use Plan.

Regarding the projected municipal population in 1995, that of twelve (12) out of 17 municipalities is higher than that of NSO with a range of 1% to 10%, while that of remaining five (5) municipalities is lower with a range of -2% to -15%.

Thus, municipal population projection shall be made using 1995 census results as a base year. While, the regional and provincial population projected by the NSO may be adopted in this PW4SP, since there is no so much difference from that of Land Use Plan.

(3) Population Projection of the Province

The following conditions are considered in the population projection.

Regional and Provincial Population

For the regional and provincial population in the study, the projection conducted by NSO shall be adopted. Table 8.3.3 shows the projected population of the region VI and component provinces.

Table 8.3.2 Census Population and Projected Population in Land Use Plan

| | | Cens | us Popula | ition | | | Land Use | e Plan | |
|-------------------|---------|---------|-----------------------------------|--------|-----------------------------------|---------|----------------------------|---------|-----------------------------------|
| Munici- pality | 1980 | 1990 | Growth Rate (1980- 1990) | 1995 | Growth Rate (1990- 1995) | 1995* | Comparison With Census (%) | 2002 | Growth Rate (1980- 2005) |
| Cuartero | 18,513 | 22,592 | 2.01% | 26,477 | 3.22% | 24,893 | -5.98% | 28,514 | 1.96% |
| Dao | 23,921 | 29,139 | 1.99% | 29,266 | 0.09% | 32,096 | 9.67% | 36,748 | 1.95% |
| Dumalag | 22,198 | 25,465 | 1.38% | 28,348 | 2.17% | 27,208 | -4.02% | 29,850 | 1.33% |
| Dumarao | 29,934 | 36,779 | 2.08% | 38,037 | 0.67% | 40,704 | 7.01% | 46,913 | 2.05% |
| Ivisan | 17,414 | 21,497 | 2.13% | 22,720 | 1.11% | 23,821 | 4.85% | 27,503 | 2.07% |
| Jamindan | 25,652 | 27,862 | 0.83% | 34,022 | 4.08% | 28,968 | -14.85% | 30,591 | 0.78% |
| Maayon | 25,715 | 29,779 | 1.48% | 30,333 | 0.37% | 31,979 | 5.43% | 35,336 | 1.44% |
| Mambusao | 32,097 | 33,200 | 0.34% | 35,632 | 1.42% | 33,694 | -5.44% | 34,397 | 0.30% |
| Panay | 31,650 | 36,812 | 1.52% | 39,124 | 1.23% | 39,634 | 1.30% | 43,953 | 1.49% |
| Panitan | 27,631 | 32,863 | 1.75% | 33,269 | 0.25% | 35,775 | 7.53% | 40,289 | 1.71% |
| Pilar | 30,104 | 35,924 | 1.78% | 36,464 | 0.30% | 39,178 | 7.44% | 44,236 | 1.75% |
| Pontevedra | 30,489 | 36,730 | 1.88% | 38,223 | 0.80% | 40,250 | 5.30% | 45,752 | 1.85% |
| Pre. Roxas | 21,805 | 24,048 | 0.98% | 24,695 | 0.53% | 25,186 | 1.99% | 26,870 | 0.93% |
| Roxas City | 81,183 | 102,794 | 2.39% | 118,71 | 2.92% | 115,843 | -2.42% | 136,941 | 2.42% |
| Sapian | 18,753 | 22,007 | 1.61% | 22,534 | 0.47% | 23,774 | 5.50% | 26,489 | 1.56% |
| Sigma | 20,043 | 25,084 | 2.27% | 25,801 | 0.57% | 27,999 | 8.52% | 32,658 | 2.22% |
| Tapaz | 35,129 | 40,916 | 1.54% | 40,809 | -0.05% | 44,092 | 8.04% | 48,956 | 1.51% |
| Province | 492,231 | 583,491 | 1.72% | 624,46 | 1.27% | 635,095 | 1.70% | 715,996 | 1.72% |

Note: * Population in 1995 was estimated using average annual growth rate (1990-2002) employed in Land Use Plan

Table 8.3.3 Projected Population by the NSO

| | Census | | Pr | ojected Populat | ion/Growth Ra | ite | |
|-------------------|------------|-----------|------------|-----------------|---------------|---------------|-----------|
| Province | Population | | Population | | Average | e Annual Grow | th Rate |
| | 1995 | 1998 | 2005 | 2010 | 1995-2000 | 2000-2005 | 2005-2010 |
| Aklan | 408,949 | 432,359 | 487,839 | 528,072 | 1.84% | 1.72% | 1.60% |
| Antique | 430,363 | 455,051 | 512,755 | 554,797 | 1.84% | 1.69% | 1.59% |
| Capiz | 622,034* | 657,975 | 742,312 | 801,742 | 1.86% | 1.71% | 1.55% |
| Guimaras | 126,034 | 133,422 | 150,680 | 162,774 | 1.88% | 1.72% | 1.56% |
| Iloilo | 1,743,302 | 1,847,328 | 2,086,833 | 2,249,494 | 1.91% | 1.72% | 1.51% |
| Negros Occidental | 2,425,941 | 2,573,658 | 2,910,028 | 3,131,450 | 1.95% | 1.72% | 1.48% |
| Region VI | 5,756,623 | 6,099,793 | 6,890,447 | 7,428,329 | 1.91% | 1.72% | 1.51% |

Source: NSO

Note: Population of the province as of Sep. 1,1995 was 624,469 (1995 Census), 622,034 (as of May, 1995)

Municipal Population

- 1) The total population of the province in 1998, 2005 and 2010 was fixed.
- 2) Municipal population for short/medium-term target years (1998 and 2005) is estimated using the recorded growth rates between 1990 and 1995. The municipal population estimated initially is adjusted in proportion to the population size of each municipality to the total provincial population, to meet the above mentioned provincial population fixed for the years 1998 and 2005. In this adjustment, the population of Tapaz in 1998 was fixed to avoid negative growth rate.

For the year 2010 in the long-term, it is assumed that the tendency of population growth of respective municipalities will be stable reflecting the experiences in the past long term between 1980 and 1995. Thus, experienced growth rate between 1980 and 1995 by municipality is firstly applied to project 2010 population from the year 2005. Then, the municipal population initially estimated is adjusted in the same manner mentioned above. Table 8.3.4 presents census results (1980, 1990 and 1995) and projected population of the municipalities.

Table 8.3.4 Census results and Projected Population of Municipalities

| | | Cei | isus R | esult | | | Pı | ojecte | d Popi | ulation | /Grow | th Rat | e | |
|------------|--------|--------|--------|-------|-------|---------|--------|--------|--------|---------|-------|--------|--------|---------|
| Munici- | 1980 | 1990 | 1995 | (| R | | 1998 | | | 2005 | | | 2010 | |
| pality | | | | 1990- | 1980- | Popul | ation | GR | | | | | | |
| | | | | 1995 | 1995 | Initial | Adju | | Initia | Adju | GR | Initia | Adju | GR |
| Cuartero | 18.513 | 22.592 | 26,477 | 3 22% | 2 41% | 29,122 | 29,423 | 3 \$8% | 35,366 | 37,313 | 3.49% | 42,040 | 41,757 | 2 28" |
| Dao | 23,921 | 29,139 | 29,266 | 0 09% | 1 35% | 29,342 | 29,646 | 0.43% | 29,522 | 30,290 | 0.34% | 32,397 | 32,179 | 1 22% |
| Dumalag | 22.198 | 25,465 | 28,348 | 2 17% | 1.64% | 30.232 | 30,545 | 2 52% | 35,130 | 36.045 | 2 43% | 39,106 | 38.844 | 1.51% |
| Dumarao | 29,934 | 36,779 | 38,037 | 0 67% | 161% | 38,812 | 39,214 | 1.02% | 49,684 | 41,743 | 0.93% | 45,213 | 44,909 | 1 47% |
| lvisan | 17,414 | 21,497 | 22,720 | 1 11% | 1 79% | 23,487 | 23,730 | 1.45% | 25,379 | 26,040 | 1 37% | 28,454 | 28,262 | 1 65% |
| Jamindan | 25.652 | 27.862 | 34,022 | 4 08% | 1.90% | 38,354 | 38,751 | 4.43% | 50,729 | 52,050 | 4 34% | 57.187 | 56,803 | 1.76% |
| Maayon | 25,715 | 29,779 | 39.333 | 037% | 1.11% | 30,670 | 30,988 | 0.71% | 31,472 | 32.292 | 0 63% | 34,119 | 33,890 | 0.97% |
| Mambusa | 32.097 | 33,200 | 35,632 | 1 42% | 0.70% | 37,176 | 37,560 | 1.73% | 41,014 | 12,112 | 1.68% | 43,605 | 43.312 | 0.56% |
| Panay | 31,650 | 36.812 | 39,124 | 1 23% | 1.42% | 40.580 | 41,000 | 1 57% | 44,193 | 45,344 | 1.49% | 43,664 | 48.337 | 1.29% |
| Panitan | 27.631 | 32.863 | 33,269 | 0.25% | 1 25% | 33,515 | 33,852 | 0 59% | 34,095 | 34,984 | 0.50% | 37,218 | 36,968 | 1.1104 |
| Pilar | 30,104 | 35,924 | 36,464 | 0.30% | 1 29% | 35,792 | 37,172 | 0 64% | 37.568 | 38,547 | 0.56% | 41,090 | 49,814 | 3 15% · |
| Pontevedr | 30,489 | 36,730 | 38,223 | 0.80% | 1.52% | 39,148 | 39,553 | 1.15% | 41,394 | 42,471 | 1.06% | 45.796 | 45.488 | 1 38% |
| Pre. Roxas | 21,805 | 24,043 | 24,695 | 0 53% | 0.83% | 25,092 | 25,351 | 0.88% | 25,042 | 26,720 | 0.79% | 27,852 | 27,665 | 0.70% |
| Roxas | 81,133 | 102,79 | 118.71 | 2 92% | 2 57% | 129,428 | 130,76 | 3 28% | 158,33 | 162,46 | 3.19% | 181.39 | 183,16 | 2 43% |
| Sapian | 18,753 | 22.007 | 22,534 | 0 47% | 1 23% | 22,856 | 23,093 | 0.82% | 23,626 | 24,241 | 0 73% | 25,772 | 25,599 | 1 10% |
| Sigma | 20,043 | 25,084 | 25,801 | 0.57% | 1.70% | 26,241 | 26,512 | 091% | 27,297 | 28,008 | 0.82% | 30,458 | 30.263 | 1.565∗ |
| Tapaz | 35.129 | 49.916 | 40,809 | | ₹ 00% | 40,809 | 40.809 | 0.00% | 49,596 | 41.653 | 9 20% | 43,787 | 43,493 | 0.87% |
| Province | 492.23 | 583.49 | 624,46 | 1 37% | 1.60% | 651,657 | 657,97 | 1.76% | 723.47 | 742,31 | 1.74% | 807.16 | 801.74 | 1.55% |

Note: Growth rates in 1998, 2005 and 2010 were calculated using geometric formula.

Population by Urban and Rural Area

1) Past population development

Table 8.3.5 shows the urban and rural population with growth rates in census years (1980-1995) by municipality. With regards to the ratio of the urban population of the province to the total population, the provincial averages in 1980 and 1990 were 13.5% and 28.2%, respectively. While it decreased to 19.1% in 1995. Likewise, the provincial growth rate of 9.48% between 1980 and 1990 also decreased to -6.16% in 1995.

With regard to rural population, the growth rates as the provincial average were -0.16% (1980 - 1990) and 3.79% (1990 - 1995). The reason of the drastic change of share/growth rate of urban area is explained that urban/rural classification of barangays in Roxas City (all barangays were classified as urban in 1990 Census) was rearranged in 1995 Census.

Table 8.3.5 Past Population Development by Urban and Rural Area

| - 1/. ' - | | | 1980 | | | 199 | 90 | | | | 1995 | | |
|----------------------|-------------|--------|--------|-------|--------|--------|--------|--------|--------|-------|---------|-------|---------|
| | | 1 | | | | i i | G.R. | | | Urb | G.R. | G.R. | |
| Mı | inicipality | | Urba | ł | | Urba | 1980- | | | an/ | 1990- | 1980- | |
| | | | n/ | Share | ŀ | n/ | 1990 | Share | | Rur | 1995 | 1995 | Share |
| | 1 | Total | Rural | (%) | Total | Rural | (%) | (%) | Total | al | (%) | (%) | (%) |
| Ĩ | Cuartero | 18,513 | 2,515 | 13.6% | 22,592 | 3,073 | 2.02% | 13.6% | 26,477 | 3,504 | 2.66% | 2.24% | 13.2% |
| ĺ | Dao | 23,921 | 2,050 | 8.6% | 29,139 | 2,543 | 2.18% | 8.7% | 29,266 | 5,574 | 16.99% | 6.90% | 19.0% |
| ı | Dumalag | 22,198 | 2,295 | 10.3% | 25,465 | 2,97L | 2.62% | 11.7% | 28,348 | 2,963 | -0.05% | 1.72% | 10.5% |
| ĺ | Dumarao | 29,934 | 2,109 | 7.0% | 36,779 | 4,920 | 8.84% | 13.4% | 38,037 | 5,284 | 1.44% | 6.31% | 13.9% |
| Ì | lvisan | 17,414 | 3.277 | 18.8% | 21,497 | 3,998 | 2.01% | 18.6% | 22.720 | 4,435 | 2.10% | 2.04% | 19.5% |
| ı | Jamindan | 35,652 | 1,281 | 5.0% | 27,862 | 1,858 | 3.79% | 6.7% | 34,022 | 2,209 | 3.52% | 3,70% | 6.5% |
| 1 | Maayon | 25,715 | 3 428 | 13.3% | 29,779 | 4,186 | 2.02% | 14.1% | 30.333 | 4,431 | 1.37% | 1.80% | 14.8° u |
| ខ | Mambusa | 32,097 | 4,810 | 15.0% | 33,200 | 5,639 | 1.60% | 17.0% | 35,632 | 6,159 | 1.78% | 1.66% | 17.3% |
| ₹ | Panay | 31,650 | 2 586 | 8.2% | 36,812 | 2,915 | 1.20% | 7.9% | 39,124 | 2,833 | -0.57% | 0.61% | 7.2°u |
| Urban Area | Panitan | 27,631 | 2,266 | 8 2% | 32.863 | 2,353 | 0.38% | 7.2% | 33,269 | 2.592 | 1.95% | 0.90% | 7.8% |
| 1 | Pilar | 30,104 | 2.023 | 6.7% | 35,924 | 5,368 | 10.22% | 14.9% | 36,464 | 5.019 | -1.34% | 6.22% | 13.8% |
| _ | Pontevedr | 30,489 | 4.922 | 16.1% | 36,730 | 6,052 | 2.09% | 16.5% | 38,223 | 6,211 | 0.52 | 1.56% | 16 23 0 |
| | Pre. Roxas | 21,805 | 6.547 | 30.0% | 24,048 | 7,035 | 0.72% | 29.3% | 24,695 | 6,444 | -1.74% | -0.11 | 26.1% |
| i | Roxas | 81,183 | 19,399 | 23.9% | 102,79 | 102,79 | 18.15% | 100.0% | 118,71 | 53,58 | -12 22% | 7.01% | 45.1% |
| | Sapian | 18,753 | 2,947 | 15.7% | 22,007 | 3,963 | 3.01% | 18.0% | 22,534 | 3,940 | -0.12% | 1.95% | 17.5% |
| | Sigma | 20,043 | 2,189 | 10.9% | 25,084 | 2,611 | 1.78% | 10.4% | 25,801 | 2.188 | -3.47% | 0.00% | 8.5% |
| | Tapaz | 35,129 | 1,727 | 5.1% | 40,916 | 2,057 | 1.47% | 5.0% | 40,809 | 2,135 | 0.75% | 1.23% | 5.2% |
| | Province | 492,23 | 66,427 | 13.5% | 583,49 | 164,33 | 9.48% | 28.2% | 624,46 | 119,5 | -6.16% | 4.00% | 19.1% |
| | Cuartero | 18,513 | 15.998 | 86.4% | 22,592 | 19,519 | 2.01% | 86.4% | 26,477 | 22,97 | 3.31% | 2.44% | 86.8% |
| | Dao | 23,921 | 21,871 | 91.4% | 29,139 | 26,596 | 1.98% | 91.3% | 29,266 | 23,69 | 2.29% | 0.53% | \$1.0% |
| | Dumalag | 22.198 | 19,903 | 89.7% | 25,465 | 22,494 | 1.23% | 88.3% | 28,348 | 25,38 | 2.45% | 1.64% | 89.5% |
| | Dumarao | 29.934 | 27,825 | 93.0% | 36,779 | 31,859 | 1.36% | \$6.6% | 38,037 | 32,75 | 0.56% | 1.09% | 86.17 |
| | Ivisan | 17,414 | 14,137 | 81.2% | 21.497 | 17,499 | 2.16% | 81.4% | 22,720 | 18,28 | 0.88% | 1.73% | 80.5% |
| 1 | Jamindan | 25,652 | 24,371 | 95.0% | 27,862 | 26,004 | 0.65% | 93.3% | 34,022 | 31.81 | 4.11% | 1.79% | 93.5% |
| | Maayon | 25,715 | 22,287 | 86.7% | 29,779 | 25,593 | 1.39% | 85.9% | 30,333 | 25,85 | 0.20% | 0.99% | 85.2% |
| я | Mambusa | 32,097 | 27.287 | 85.0% | 33,200 | 27,561 | 0.10% | 83.0% | 35,632 | 29,47 | 1.35% | 0.52% | 82.7% |
| Area | Panay | 31,650 | 29,064 | 91.8% | 36,812 | 33,897 | 1.55% | 92.1% | 39,124 | 36.29 | 1.37% | 1.49% | 92.8 |
| त | Panitan | 27,631 | 25,365 | 91.8% | 32.863 | 30,510 | 1.86% | 92.8% | 33,269 | 30,67 | 0.11% | 1.28% | 92 24. |
| Rural, | Pilar | 30,104 | 28.075 | 93.3% | 35,924 | 30,556 | 0.85% | 85.1% | 36,464 | 31,44 | 0.58% | 0.76% | 86.2% |
| _ | Pontevedr | 30,489 | 25.567 | 83.9% | 36,730 | 30,678 | 1.84% | 83.5% | 38,223 | 32,01 | 0.85% | 1.51% | 83.8% |
| | Pre. Roxas | 21,805 | 15,258 | 70.0% | 24,048 | 17.013 | 1.09% | 70.7% | 24,695 | 18.25 | 1.41% | 1.20% | 73.9% |
| | Roxas | 81,183 | 61.784 | 76.1% | 102,79 | 0 | - | 0.0% | 118,71 | 65.13 | | 0.35% | 54.9% |
| 1 | Sapian | 18,753 | 15,806 | 84.3% | 22,007 | 18,044 | 1.33% | 82.0% | 22,534 | 18,59 | 0.60% | 1.09% | 82.5% |
| [. | Sigma | 20.043 | 17.854 | 89.1% | 25,084 | 22,473 | 2.33% | 89.6% | 25,801 | 23,61 | 0.99% | 1.88% | 91.5% |
| 1 | Tapaz | 35,129 | 33.352 | 94.9% | 49,916 | 38,859 | 1.54% | 95.0% | 40,809 | 33,67 | -0.10% | 0.99% | 94.8% |
| 1 | Province | 492,23 | 425,80 | 86.5% | 583,49 | 419,15 | -0.16% | 71.8% | 624,46 | 504,9 | 3.79% | 1.14% | 80.9% |

2) Projection of urban and rural population for the years 1998, 2005 and 2010 Urban population by municipality for the target years was at first projected and rural population was calculated to meet aforementioned total population fixing the urban population.

In the projection of municipal urban population, the following are assumed by short/medium-term and long-term.

Short/Medium-term target: 1998 and 2005

The shares of urban population in 1995 to the total population by municipality were basically adopted, assuming that the latest profile will not change drastically in short/medium-term period.

Long-term target: 2010

For the long-term projection, the recorded growth rates of urban population between 1980 and 1995 may be applied for the municipal population in 2010, assuming that the tendency of urban population will be stable reflecting the experiences in the past long period.

Under the above assumptions, provincial average share of urban population for the year 2010 arrived at 23.5%, higher than the figures in 1995 (19.1%). Table 8.3.6 presents projected urban and rural population. The growth rates and shares on rural population are calculated using estimated rural population.

Table 8.3.6 Population Projection by Urban and Rural Area: 1998, 2005 and 2010

| | · · · · · · · · · · · · · · · · · · · | 199 | 98 | | 2005 | | | 20 | 10 | |
|------------|---------------------------------------|---------|-----------------|---------|-----------------|--------------|---------|-----------------|-------------|--------------|
| M | unicipality | Total | Urban/ Rural | Total | Urban/ Rural | Share (%) | Total | Urban/ Rural | G.R. (%) | Share (%) |
| | Cuartero | 29,423 | 3,894 | 37,313 | 4,938 | 13.2% | 41,757 | 5,515 | 2.24% | 13.2°, |
| | Dao | 29,646 | 5,646 | 30,290 | 5,769 | 19.0% | 32,179 | 8,052 | 6.90% | 25.0%₃ |
| | Dumalag | 30,545 | 3,193 | 36,045 | 3,768 | 10.5% | 38,844 | 4,102 | 1.72% | 10.6** |
| | Dumarao | 39.214 | 5,447 | 41,743 | 5,799 | 13.9% | 44,909 | 7,876 | 6.31% | 17.5*。 |
| 1 | lvisan | 23,730 | 4,632 | 26,040 | 5,083 | 19.5% | 28,262 | 5,622 | 2.04% | 19.9% |
| | Jamindan | 38,751 | 2,516 | 52,050 | 3,380 | 6.5% | \$6,803 | 4,053 | 3.70% | 7.1% |
| ١. ا | Maayon | 30.983 | 4,578 | 32,292 | 4,770 | 14.8% | 33,890 | 5,216 | 1.80% | 15.4% |
| 8 | Mambusao | 37,560 | 6,492 | 42,112 | 7,279 | 17.3% | 43,312 | 7.904 | 1.66% | 18.2% |
| Ž | Panay | 41,000 | 2,969 | 45,344 | 3,283 | 7.2% | 48,337 | 3,385 | 0.61% | 7.0% |
| Urban Area | Panitan | 33.862 | 2,638 | 34,984 | 2,726 | 7.8% | 36,968 | 2,851 | 0.90 | 7.7% |
| 1 🖺 | Pifar | 37.172 | 5,117 | 38,547 | 5,306 | 13.8% | 40,814 | 7,176 | 6.22 | 17,6% |
| ~ | Pontevedra | 39,553 | 6,427 | 42,471 | 6.901 | 16.2% | 45,488 | 7,458 | 1.56% | 16.4% |
| | Pre Roxas | 25,351 | 6,615 | 26,720 | 6.972 | 26.1% | 27,665 | 6,936 | -0.11% | 25.1% |
| | Roxas City | 130,767 | 59,024 | 162,460 | 73.329 | 45.1% | 183,160 | 102,887 | 7.01% | 56.2% |
| 1 | Sapian | 23.093 | 4,038 | 24,241 | 4,239 | 17.5% | 25,599 | 4,669 | 1.95% | 18.3% |
| | Sigma | 26,512 | 2,248 | 28.008 | 2,375 | 8.5% | 30,263 | 2,375 | 0.00% | 7.8% |
| | Tapaz | 40,809 | 2,135 | 41,653 | 2.179 | 5.2% | 43,493 | 2,317 | 1.23*• | 5.3% |
| i | Province | 657,975 | 127,609 | 742,312 | 148.096 | 20.0% | 801,742 | 188.393 | 4.93% | 23.5% |
| | Cuartero | 29,423 | 25,529 | 37,313 | 32,375 | 86.8% | 41,757 | 36,242 | 2 28% | 86.8% |
| 1 | Dao | 29,646 | 24,000 | 30,290 | 24,521 | 81.0% | 32,179 | 24,127 | -0.32% | 75.0″∙ |
| 1 | Dumalag | 30,545 | 27,352 | 36,045 | 32,277 | 89.5% | 38,844 | 34,741 | 1.48% | 89.4% |
| | Dumarao | 39,214 | 33,766 | 41,743 | 35,944 | 86.1% | 44,909 | 37,033 | 0.60% | 82.5% |
| 1 | lvisan | 23,730 | 19,098 | 26,040 | 20,957 | 80.5% | 28,262 | 22.640 | 1.56% | S0.1% |
| | Jamindan | 38,751 | 36,235 | 52,050 | 48,670 | 93.5% | 56,803 | 52.750 | 1.63% | 92.9% |
| 1 | Maayon | 30,988 | 26,410 | 32,292 | 27,521 | 85.2% | 33,890 | 28,674 | 0.82% | 84.6% |
| <u>g</u> | Mambusao | 37.560 | 31,068 | 42,112 | 34,833 | 82.7% | 43,312 | 35,407 | 0.33% | 81.8% |
| Area | Panay | 41,000 | 38,031 | 45,344 | 42,060 | 92.8% | 48.337 | 44,952 | 1.34% | 93.0% |
| Rural | Panitan | 33,862 | 31,224 | 31,984 | 32,258 | 92.2% | 36,968 | 34,117 | 1.13% | 92.3% |
| ا ي | Pilar | 37,172 | 32,056 | 38,547 | 33,241 | 86.2% | 40,814 | 33,638 | 0.24% | 82.4% |
| - | Pontevedra : | 39,553 | 33,126 | 42,471 | 35.570 | 83.8% | 45,488 | 38.030 | 1.35% | 83.60. |
| | Pre. Roxas | 25,351 | 18,736 | 26,720 | 19,747 | 73.9% | 27,665 | 20,729 | 0.97% | 74,9% |
| 1 | Roxas City | 130,767 | 71.743 | 162,460 | 89,131 | 54.9% | 183,160 | 80.273 | -2.07% | 43,8" • |
| | Sapian | 23.093 | 19,055 | 24,241 | 20,003 | 82.5% | 25,599 | 20,929 | 0.91*. | 81.8% |
| 1 | Sigma | 26,512 | 24,264 | 28,008 | 25,633 | 91.5% | 30.263 | 27.888 | 1.70% | 92 2". |
| | Tapaz | 40,809 | 38,674 | 41.653 | 39,474 | 94.8% | 43,493 | 41.176 | 0.85% | 94.7% |
| | Province | 657,975 | 530,365 | 742,312 | : 594,216 | 80.0% | 801,742 | 613,349 | 0.64% | 76.5*. |

Table 8.3.9 Projected Number of Households by Urban and Rural Area by Municipality by Target Year

| N | Ηc | Household Size | ize | | | | | Z | Number of Households | Households | | | | | - |
|----------------------|-------|----------------|--------|--------|--------|---------|--------|---------|----------------------|------------|---------|---------|--------|---------|---------|
| Name of | | 1995 | | | 1995 | | | 1998 | | | 2005 | | | 2010 | |
| Municipality/City | Urban | Rural | Total | Urban | Rural | Total | Urban | Rural | Total | Urban | Rural | Total | Urban | Rural | Total |
| Cuartero | 5.47 | 5.66 | . 5.63 | 641 | 4,058 | 4,699 | 712 | 4,510 | 5,222 | 903 | 5.720 | 6,623 | 1,379 | 9.061 | 10,440 |
| Dao | 5.21 | 5.09 | 5.11 | 1,070 | 4.655 | 5,725 | 1,084 | 4,715 | 5,799 | 1,107 | 4.817 | 5,924 | 2,013 | 6,032 | 8,045 |
| Dumalag | 5.54 | 5.44 | 5:45 | 535 | 4,664 | 5,199 | \$76 | 5,028 | 5,604 | 089 | 5.933 | 6,613 | 1,026 | 8,686 | 9,712 |
| Dumarao | 4.85 | 5.02 | 5.00 | 1,089 | 6.522 | 7,611 | 1,123 | 6,726 | 7.849 | 1,196 | 7,160 | 8,356 | 1,969 | 9,258 | 11,227 |
| Ivisan | 5.36 | 60.5 | 5.14 | 828 | 3,593 | 4,421 | 864 | 3,752 | 4.616 | 846 | 4,117 | 5,065 | 1,406 | 5,660 | 2,066 |
| Jamindan | 4.95 | 5.23 | 5.21 | 446 | 6,088 | 6.534 | 508 | 6,928 | 7,436 | 683 | 9,306 | 686'6 | 1,013 | 13,188 | 14,201 |
| Ma-ayon | 5.09 | 5.20 | 5.18 | 881 | 4,972 | 5.853 | 899 | 5.079 | 5.978 | 937 | 5,293 | 6,230 | 1,304 | 7,169 | 8,473 |
| Mambusao | 5.53 | 5.06 | 5.14 | 1,113 | 5,819 | 6,932 | 1,174 | 6,140 | 7,314 | 1,316 | 6,884 | 8,200 | 1,976 | 8,852 | 10,828 |
| Panay | 5.05 | 5.48 | 5.45 | 195 | 6,617 | 7,178 | 588 | 6,940 | 7,528 | 059 | 7,675 | 8,325 | 846 | 11,238 | 12,084 |
| Panitan | 5.25 | 5.25 | 5.25 | 494 | 5 847 | 6,341 | 502 | 5,947 | 6,449 | 519 | 6,144 | 6,663 | 713 | 8.529 | 9,242 |
| Pilar | 4.94 | 5.17 | 5.14 | 1,016 | 6,080 | 7,096 | 1,036 | 6,200 | 7.236 | 1.074 | 6,430 | 7.504 | 1,794 | 8,410 | 10,204 |
| Pontevedra | 5.70 | 5.35 | 5.41 | 1,089 | 5,982 | 7,071 | 1,128 | 6,192 | 7,320 | 1,211 | 6,649 | 7,860 | 1,865 | 805'6 | 11,373 |
| President Roxas | 5.18 | 5.26 | 5.24 | 1,244 | 3,467 | 4,711 | 1,277 | 3,562 | 4,839 | 1,346 | 3,754 | 5,100 | 1,734 | 5.182 | 6,916 |
| Roxas City (Capital) | 5.11 | 5.28 | 5.20 | 10,491 | 12,331 | .22,822 | 11,551 | 13,588 | 25,139 | 14,350 | 16,881 | 31,231 | 25,722 | 20,068 | 45,790 |
| Sapi-an | 5.01 | 5.21 | 5.17 | 984 | 3.569 | 4,355 | 908 | 3,657 | 4,463 | 846 | 3.839 | 4.685 | 1,167 | 5,233 | 6,400 |
| Sigma | 5.03 | 5.12 | 5.12 | 435 | 4 609 | 5,044 | 447 | 4,739 | 5,186 | 472 | 5,006 | 5.478 | 594 | 6.972 | 7,566 |
| Tapaz | 5.30 | 4.90 | 4.92 | 403 | 7,890 | 8,293 | 403 | 7,893 | 8,296 | 411 | 8,056 | 8.467 | 579 | 10,294 | 10,873 |
| Provincial Total | 5.17 | 5.22 | 5.21 | 23,122 | 96.763 | 119,885 | 24,678 | 101,596 | 126.274 | 28.649 | 113.664 | 142.313 | 47.100 | 153,340 | 200 440 |

8.3.2 School Enrollment Projection

Table 8.3.10 Projected School Enrollment by Municipality by Target Year

| | | | 1998 | | | | | 2005 | | | | | 2010 | | |
|----------------------|------------|---------|-----------------------|------------|------------------------|------------|---------|------|------------|------------------------|------------|---------|------------------|------------|------------------------|
| Name of | School Age | Total E | Total Enrollment | Public Ser | Public Sch. Enrollment | Cabaci Age | Total E | Γ | Public Sch | Public Sch. Enrollment | | L | Total Enrollment | Public Set | Public Sch. Enrollment |
| Municipality/City | Population | Number | Participation Rate | Number | Participation Rate | | ž | uo | Number | Participation Onto | Population | Ź | Participation | Number | Participation |
| Cuartero | 680'8 | 6,699 | 53 | 669.9 | 83 | 10.258 | 8.719 | 88 | X 710 | ××× | 11.480 | 10 325 | 00 | 10.120 | N Sic |
| Dao | 8,421 | 6,641 | ٤ | 6.146 | 73 | × 604 | 7,313 | 88 | 6.883 | 98 | 0 141 | X 227 | 2 8 | 755.0 | 2 3 |
| Dumalag | 8.075 | 5,732 | 12 | 5,510 | | 9,529 | 7,147 | 25 | 6.670 | 202 | 10.269 | 8215 | 2 5 | 2 707 | Ş |
| Dumarao | 11,009 | 10,001 | 8 | 10,120 | 92 | 11.719 | 11.133 | 26 | 10.547 | 06 | 12 608 | 12 356 | 8 8 | 11 0778 | 8 |
| Ivisan | 6.855 | 6,269 | 120 | 6,269 | ; ; | 7.522 | 7,146 | 25 | 7.146 | S | 451.8 | 1908 | ő | 8 001 | 8 |
| Jamindan | 11,248 | 9,196 | 82 | 9,196 | | 15,108 | 12,842 | 85 | 12.842 | 85 | 16.488 | 14 830 | 8 | 14 830 | 8 |
| Ma-ayon | 9,139 | 6,600 | 105 | 0.600 | 105 | 9,524 | 9,524 | 87 | 9.524 | 8 | 9,995 | 9 495 | 8 | 9 405 | 8 |
| Mambusao | 10,716 | 7,915 | 74 | 7,311 | 89 | 12,015 | 9,612 | 0% | 9,011 | 7.5 | 12.357 | 10.503 | 58 | 0 886 | 08 |
| Panay | 11.627 | 8,778 | 7.5 | 8,778 | 75 | 12,859 | 10,287 | 08 | 10,287 | 8 | 13.708 | 11 653 | 58 | 659 | 88 |
| Panitan | 9.838 | 8,282 | 758 | 8,282 | \$ | 10,164 | 9,148 | 8 | 9,148 | 8 | 10.740 | 10,203 | ş | 10.03 | 8 |
| Pilar | 10,971 | 10,277 | 8 | 10,277 | 94 | 11,377 | 10,808 | \$\$ | 10,808 | 25 | 22.046 | 508 | 80 | 11 805 | 8 |
| Pontevedra | 11,526 | 10,656 | - 92 | 10,201 | 68 | 12,376 | 11,757 | 95 | 11,138 | 8 | 13.255 | 12,090 | ĕ | 12 502 | 8 |
| President Roxas | 7.066 | 7,680 | 109 | 6.224 | 88 | 7.448 | 7,448 | 81 | 7,076 | 95 | 7.711 | 7 175 | 30 | 070 9 | 8 |
| Roxas City (Capital) | 34,294 | 29,938 | 87 | 27,754 | 83 | 42.606 | 38.345 | 8 | 36.215 | 8.5 | 48 03 5 | 45.633 | 30 | 43.737 | 2 8 |
| Sapi-an | 6,703 | 6,237 | 93 | 6,237 | 93 | 7,036 | 6,684 | 25 | 6.684 | 95 | 7.430 | 7.281 | 8 | 7.281 | 8 |
| Sigma | 7,522 | 4,873 | 65 | 4.873 | 65 | 7.946 | 5,562 | 22 | 5,562 | 8 | 8.586 | 6.440 | 22 | 6.440 | 7, |
| Tapaz | 11,832 | 10.819 | 91 | 10.472 | 80 | 12,077 | 11,473 | \$8 | 10,869 | 8 | 12,610 | 12.358 | 86 | 11.9%0 | , % |
| Provincial Total | 184,931 | 160,493 | 8.7 | 153,949 | 83 | 208,168 | 184.948 | € | 179.129 | 88 | 224 623 | 207.655 | S | 202 138 | 8 |

8.3.3 Projection of the Number of Public Utilities

Table 8.3.11 Projected Number of Public Utilities by Municipality by Target Year

| | | 1997 | 200 |)3 | 201 | 0 |
|---------------------------------------|----------------------|--|--------------|-------|---------------------------------------|---------------------------------------|
| Name of | Туре | No. of Public | Proposed | Total | Proposed | Total |
| Municipality | | Utilities | Construction | | Construction | |
| | Public Market | 2 | 1 | 3 | | 3 |
| | Bustleepney Terminal | | | | 1 | 3 |
| uartero | Parks Playground | i | 1 | 2 | | 2 |
| | Total | 3 | 2 | 5 | <u> </u> | 6 |
| | Public Market | | | 2 | | 2 |
| | Bustleepney Terminal | | | | | ··· |
| Dao | Parks/Playground | 1 | 1 | 2 | | 2 |
| | Total | 2 | 2 | 4 | | 5 |
| | Public Market | 1 | | 2 | | |
| | Bus Jeepney Terminal | | | | | |
| Dumatag | Parks Playground | | | | | 2 |
| | Total | 2 | 2 | 4 | 1 | 5 |
| | Public Market | <u> </u> | 1 | 2 | | 2 |
| | Bus Jeepney Terminal | ļ <u>.</u> | | | | <u>-</u> |
| Dumarao | Parks Playground | | | 2 | · | |
| | Total | 2 | 2 | 4 | 1 | 5 |
| | Public Market | 1 | 1 | 2 | · · · · · · · · · · · · · · · · · · · | |
| | Bus/Jeepney Tenninal | | <u> </u> | - | | 1 |
| visan | Parks Playground | - | | 2 | · · · · · · · · · · · · · · · · · · · | 2 |
| | Total | 2 | 2 | . 4 | | 5 |
| | Public Market | | | | | <u></u> |
| | Bus Jeepney Terminal | l | | | | <u>_</u> |
| Jamindan | | | 1 | 2 | <u>'</u> | · · · · · · · · · · · · · · · · · · · |
| | Parks Playground | | 2 | 4 | | |
| | Total | 2 | | 2 | · · · · · · · · · · · · · · · · · · · | 2 |
| | Public Market | ļ | 1 | Z . | | <u>z</u> |
| \fa-ayon | Bus Jeepney Terminal | | <u> </u> | | l l | |
| | Parks Playground | ļt | 1 | 2 | | 2 |
| | Total | 2 | 2 | 4 | . 1 | . 5 |
| | Public Market | <u> </u> | l l | 2 | | 2 |
| Mambusao | Bus Jeepney Terminal | <u> </u> | ļ | 2 | 1 | 1 |
| | Parks Playground | | | | | 2 |
| | Total | 2 | 2 | 4 | | . 5 |
| | Public Market | 1 1 | 1 | 2 | | |
| Panay | Bus Jeepney Terminal | ļ | ļ | 2 | 1 | 1 2 |
| | Parks Playground | 1 | 1 | | | |
| · · · · · · · · · · · · · · · · · · · | Total | 2 | 2 | 4 | | |
| | Public Market | 1 | 1 | 2 | | 2 |
| Panitan | Bus Jeepney Tenninal | | | | | |
| | Parks Playground | | 1 | 2 | | 2 |
| | Total | 2 | 2 | 4 | | 5 |
| | Public Market | 2 | 1 | 3 | . | 3 |
| Pilar | Bus Jeepney Tenninal | 1 | | ļ | | 1 |
| | Parks Playground | 1 | | 2 | | |
| | Total | 3 | 2 | 5 | 1 | 6 |
| | Public Market | 1 | | 2 | | 2 |
| Pontevedra | Bus Jeepney Terminal | | | 1 Y | I | 1 |
| | Parks Playground | 1 1 | 1 | 2 | | 2 |
| l | Total | 2 | 2 | 4 | | 3 |

Table 8.3.11 Projected Number of Public Utilities by Municipality by Target Year (cont'd)

| Name of | | 1997 | 200 | 03 | 201 | 0 |
|----------------------|----------------------|----------------------------|--------------------------|---------------|--------------------------|-------|
| Municipality | Type | No. of Public Utilities | Proposed Construction | Total | Proposed Construction | Total |
| President Roxas | Public Market | . 1 | I | 2 | | 2 |
| | Bus/Jeepney Terminal | | | · | 1 | 1 |
| • | Parks Playground | ı | i | 3 | | 3 |
| | Total | 2 | 2 | 4 | | 5 |
| Roxas City (Capital) | Public Market | 2 | 2 | 4 | 1 | 5 |
| | Bus/Jeepney Tenninal | 3 | 1 | 4 | 2 | 6 |
| | Parks Playground | 2 | 2 | 4 | | 4 |
| | Total | 1 | 3 | 12 | 3 | 15 |
| Sapi-an | Public Market | 1 | i | 2 | | 2 |
| | Bus/Jeepney Terminal | | | - | 1 | 1 |
| | Parks Playground | ı | 1 | 2 | | 2 |
| | Total | 2 | 2 | 4 | ı | 5 |
| | Public Market | ı | 1 | 2 | | 2 |
| | Bus/Jeepney Tenninal | | | | 1 | ι |
| Sigma | Parks Playground | 1 | 1 | 2 | | . 2 |
| | Total | 2 | 2 | 4 | 1 | 5 |
| | Public Market | 2 | i | 3 | | 3 |
| _ | Bus/Jeepney Terminal | | | | l I | 1 |
| l'apaz | Parks Playground | 1 | ı | 2 | | . 3 |
| | Total | 3 | 2 | 5 | 1 | 6 |
| | Public Market | 21 | 18 | 39 | ı | 40 |
| | Bus/Jeepney Terminal | 3 | | 4 | 18 | 22 |
| Provincial Total | Parks/Playground | 18 | 18 | 36 | | 36 |
| | Total | 42 | 37 | 79 | 19 | 98 |

8.4 Types of Facilities and Implementation Criteria

8.4.1 Water Supply

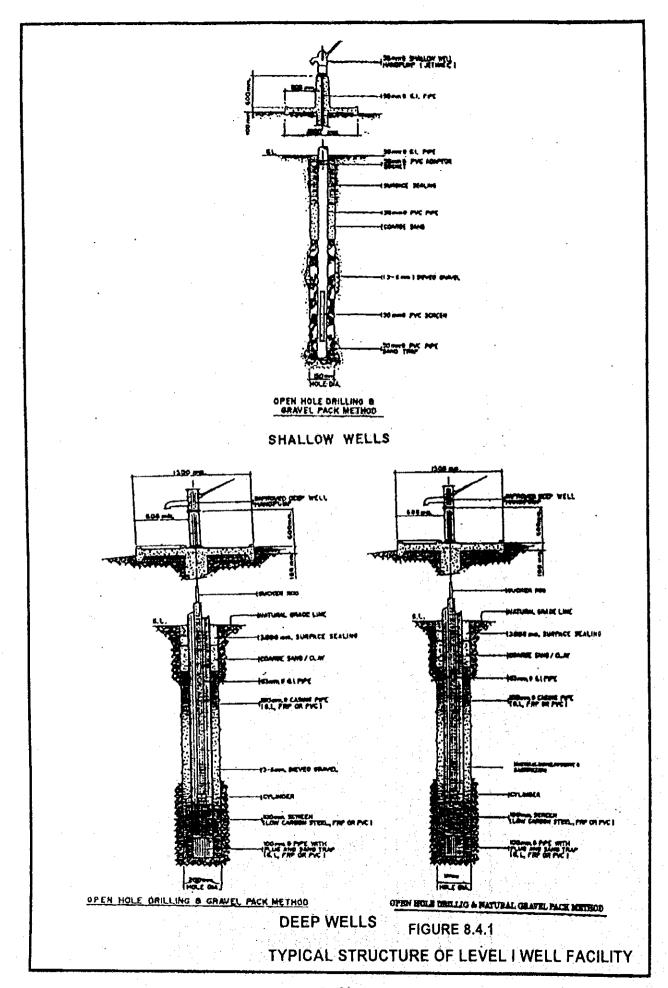
(1) Urban water supply

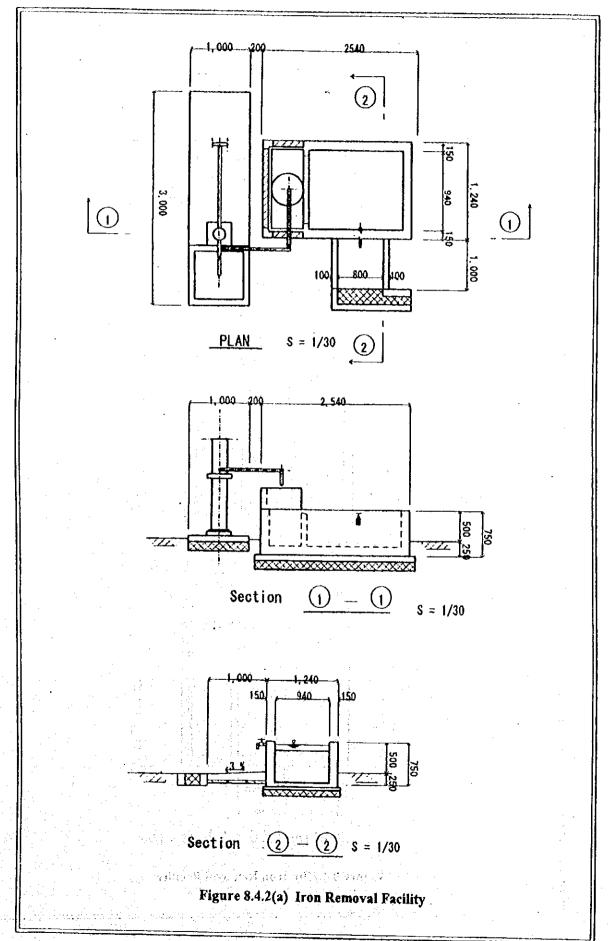
With regard to development/expansion of urban water supply by municipality, existing conditions, future requirements and planned/on-going projects were reviewed in preparation of this PW4SP. Potential water source for future development was also evaluated in Chapter 7, taking into account the possibility to utilize untapped spring sources. Location of urban area of respective municipalities/city was referred to Figure 3.4.1 in Chapter 3. Table 8.4.1 presents basic figures on existing service coverage, water sources and future requirements.

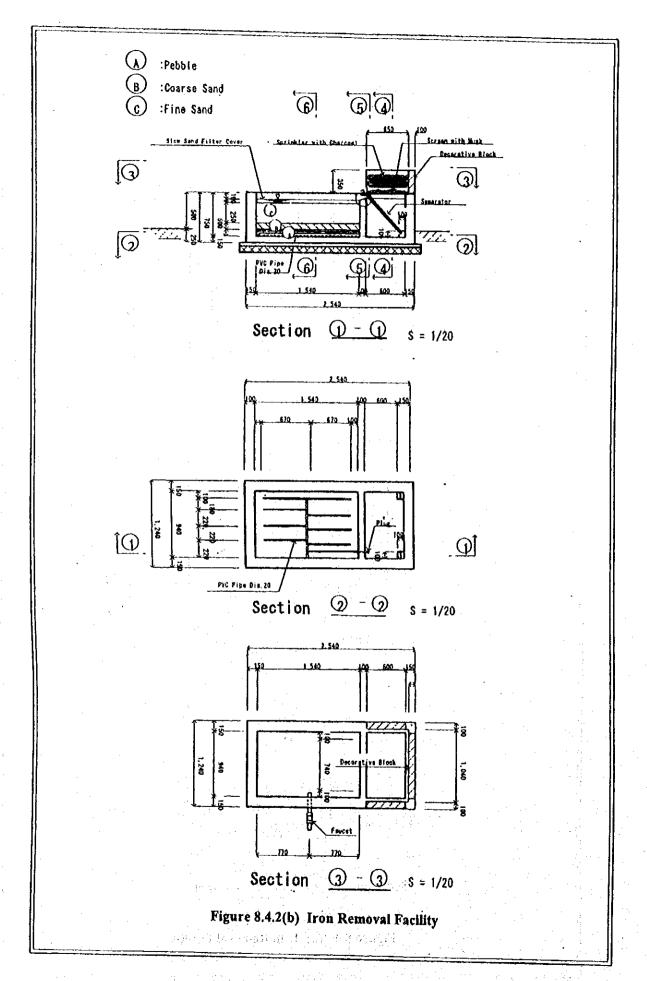
Table 8.4.1 Existing Condition and Future Requirements of Urban Water Supply by Municipality

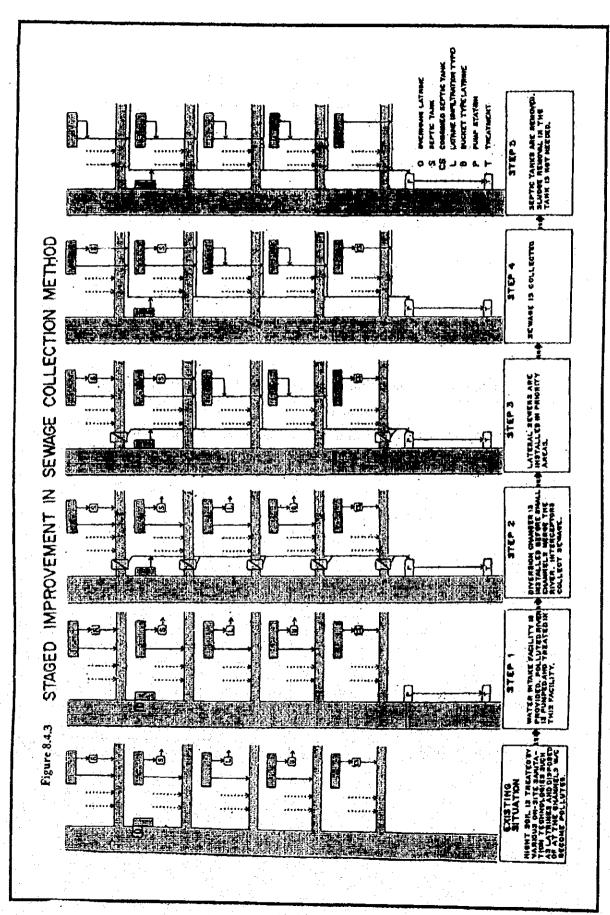
| | | | | | | | | | | | | | | | | l | | | | | | |
|----------------------|-------------------------------|---|---------------------------------------|---------------------------------|---|-----------|----------------------|-------------------------------|---------------------------------------|--------------------------------------|-------------|-------------------------------------|----------------------|--------------|---|-------|-------------------------------|---------------------------|--------------------------|---------------|------|--|
| | | | Extisting | Existing Condition (1998) | (8661) | | - 1 | · · | | | Phase | Phase ! (2005) | | | | _ | | ā | Phase (1 (2010) | 10) | | |
| Name of | \ \ \ \ \ | | Existing Level 111 System and Others. | System and C | Alters | Nat. | L-111 ater Source | | | Pop. Servi | rd by Level | Pop. Served by Level 111 and Others | | - | 1 | - | | Pop. Serve | Pop. Served by Level-III | - | News | T |
| Municipality | Urban Population (1998) | No. of Leve ill and Operating Body | ≕۵ | Pop. Served by Level-1/11 | Pop. Total Pop. Total % Served by Total Pop. Total | Tvp | Production (m3/d) | Urban Population (2005) | Additional Pop. Served by L-III | Total Pop. Served by Levelalii | * | Additional Pop. Served by Level-UI | Total Pop. Served | , | Developed/A v ddittonal S water Re Source (r (m3/d) | | Urban Population (2010) | Additional Pop. Served | Total | \$ \$ > * 3 | 33 | Total Water Source Required (m3/4) |
| Cuartero | 3,894 | 4 | | 1,748 | 1,748 45% | y | | 4,938 | 7,00,1 | 1,087 | 22% | None | 2,86 | 28.8% | 200 | 85 | \$155 | 151 4 | 014 > | 04#, | 8 | 3 |
| O. O. | 5,646 | • | | 4,130 | 4,130 73% | * | | 5,769 | | | 22% | None | 5.1.3 | % 6 % | 8 | 82 | 8.052 | A. 170 | 7 640 | 70,00 | 8 | 3 8 |
| Oumalag | 3,193 | | | 2,842 | 2,842 89% | × | | 3,768 | | | | None | 2.841 | 75% | | - | 10.4 | 1.897 | 1,407 | , | ş | 3 8 |
| Dumarao | 2,44 | 5,447 1(WD) | 1,890 35% | 2,386 | 4.276 79% | dS % | 3,110 | 5,700 | 1.277 | 3.167 | 55% | None | 5,551 | \$ 8 | 300 | 82 | 7,876 | 4.315 | 7.482 | %S6 | Ş | 3 8 |
| Vitsan | 4,63 | 4,612 1(MRWD) | 1,285 28% | 1.698 | 2,983 64% DW/S | % DW/Surf | ا | 5,083 | 1,119 | 1000 | 47% | None | 1007 | %0% %0% | 500 200 | 84 | 5,622 | 1.937 | 2 14 | %.50 | Ş | Ş |
| Jumindan | 2,516 | ٥ | | 219 | 719 29% | 7 | | 3,380 | 744 | 744 | 22% | None | 1,460 | 43 % | 8 | 901 | 4,053 | 3,106 | 3.850 | " <u>"</u> 56 | Ş | Ş |
| Ma-ayon | 4,578 | 20 | | 2,423 | 2,423 . 53% | ×, | | 4,770 | . 050.1 | 1,050 | 22% | None | 3,472 | 73.% | 200 | 300 | 5,216 | 1,905 | 4.955 | 95% | Ş | Ş |
| Mamplesao | 6,49 | 6,492 1(WD) | 2,175 34% | 1,946 | 4,121. 63% | Δ % | 130 | 7,279 | 1,603 | 3,778 | \$2% | None | 5.722 | 7.6€ | 300 | 8 | 7.904 | 3,731 | 7,500 | 36% | SS | 8 |
| Famay | 2,8 | 2,960 ((MRWD) | 1,685, 57% | | 1,710 58% | % DW/Surf | | 3,283 | 72.1 | 2,40X | 73% | None | 2,433 | 74% | 001 | 007 | 3,385 | 808 | 3,236 | 7/456 | 300 | 8 |
| Panitan | 2.63 | 2,63x 1(WD) | 995 38% | | 1,824 69% | N. Surf | n.n. | 2,726 | 8 | 1.595 | %65 | None | 2,420 | %6% 8 | 001 | 300 | 1,851 | 1,113 | 2.708 | 1%56 | 202 | 8 |
| THE CO. | | 5,117 (WD) | 360 17% | ^ | 3,972 78% | SS. | 160 | 5,306 | 1,168 | 2,029 | 38% | None | 5,054 | 95% | 200 | 300 | 7,176 | 4,789 | 6.817 | 7450 | 90, | 80 |
| onesedia onesedia | 0,42 | 6,427 I(WD) | 3,680 57% | 1 | 4,042 63% | <u>*</u> | 2,160 | 6,901 | 1,519 | 5.18 | 75% | None | 5,579 | 8 176 | 200 | 8 | 7,458 | 1,886 | 7.085 | %\$6 | 8. | 8 |
| KOXIIS C III | 6,613 | 2 | | 2,763 | 2,763 42% | <u>,</u> | | 6,972 | 1,535 | 1,535 | 32% | None | 101,4 | 7.29 | 300 | 200 | 6,936 | 5,054 | 6,589 | 95% | 82 | 8 |
| Cumun | 800 | 59,024 I(MRWD) | 33,945 58% | 20,808 | 54,751 03% DW/St | 2. DWSurf | 21.730 | 73,329 | | 33,945 | 46% | None | 168.48 | 75% | 801 | 4.500 | 102.887 | 63,798 | 97,743 | 7,40 | | 12.800 |
| Ozbien. | 4,038 | oc i | | 1.376 | 1,376 34%. | | | 4,230 | 93.1 | 613 | 22% | None | 2.300 | 24% | 200 | 200 | 4,669 | 1,501 | 4.436 | 950 | | ٤ |
| Sigma | 2,248 | 32 | | 129 | 671 30% | ×. | | 2,375 | 523 | 523 | 22.40 | None | 1,197 | 20% | 8 | 8 | 2,375 | 1,733 | 3.256 | 7,40 | ٤ | \$ |
| Tupaz | 2.135 | Š | | 1.71 | 1.731 81% | 3 | | 071,5 | | | | None | 1.747 | %08 | | L | 2,317 | 102 | 100. (| | 202 | Ş |
| Provincial Total | 127.609 | 4 | 46.51.5 36", | 49.569 | 96,084 75% | 2 | 28,490 | 148,096 | 15,151 | 61,066 | 7 CT | | 270,111 | 75% | 2,600 | 8,800 | 188,194 | 117.30x | 178,974 | l | 1 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | |

(Note) WD: Water District Prov. Province, Mun: Municipality, Asc. Association Unit consumption: 100 lpcd Additional population served in 2010 includes the served population that will be absorbed by Level HI system.









8.5 Service Coverage by Target Year

8.5.1 Water Supply

(1) Population to be served by Level II system in Phase I

Nineteen (19) untapped spring sources out of total 47 were confirmed to be suitable for Level II systems in rural water supply by the time of PW4SP preparation as shown in Table 8.5.1. Conditions and assumptions applied for this estimate are as follows:

Source capacity:

The average source capacity of untapped spring was assumed to meet the need of 100 households based on the review of existing Level II systems with spring sources.

Number of system:

Nineteen (20) out of total 47 untapped springs identified during the course of RW4SP preparation were considered to serve nineteen (19) Level II systems in nineteen (19) rural barangays of 5 municipalities.

Table 8.5.1 Population to be Served by Level II System in Phase

| Name of Municipality | Number of Untapped Spring | Number of Barangay to be Served | Number of Households to be Served | Population to be Served |
|----------------------|---------------------------------|---------------------------------------|---|----------------------------|
| Cuartero | 3 | 3 | 300 | 1,698 |
| Dao | 2 | | | |
| Dumalag | 3 | | 10 N | |
| Dumarao | 20 | | · | 1 |
| Ivisan | 3 _ | | | |
| Jamindan | 7 | 7 | 700 | 3,661 |
| Ma-ayon | 7 | 7 | 611 | 3,177 |
| Mambusao | | | | |
| Panay | | | | |
| Panitan | | | | |
| Pilar | | 4 1 | | |
| Pontevedra | | | | |
| President Roxas | 1 | 1 | 100 | 526 |
| Roxas City (Capital) | | | 18 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1.00 |
| Sapi-an | | | | |
| Sigma | 1 | 1 | 100 | 512 |
| Тараг | | | | |
| Provincial Total | 47 | 19 | 1,811 | 9,574 |

(2) Population to be served by target year

Phase I

For urban area, the additional service coverage was assumed as the population to be served by Level III service. For rural area, the population to be served by Level II systems with untapped springs was first calculated and the rest of additional service coverage was estimated to be served by Level I facilities.

Phase II

For urban area, the population served by Level I and II facilities in base year was considered to be absorbed by Level III service aside from the additional service coverage to be estimated by the sector target. For rural area, all existing facilities in Phase I were assumed to be utilized through the future.

The population to be served by target year is exhibited in Table 8.5.2 and Table 8.5.3.

Table 8.5.2 Population to be Served in Phase I (Water Supply)

| - Acame N | | Popula | Population Served in th | in the Base | le Base Year | | | - | Phase I | Phase I Coverage (2005) | (2002) | | | |
|-------------------|-------|-----------------------------------|--|-------------|--------------|------------|-----------|------------------|---------|-------------------------|-----------|-------------|------------------------------------|-------|
| Municipality/City | Area | | | , | | Total | | Service Coverage | overage | | Additi | onal Populs | Additional Population to be Served | erved |
| | | Level III | Level III | Level 1 | Total | Population | Level III | Level II | Level f | Total | Level III | Level II | Level I | Total |
| | Urban | | | 1.774 | 1,774 | 4,938 | 1,087 | | 1,774 | 2,861 | 1,087 | | | 1,087 |
| Cuartero | Rural | | 405 | 13,981 | 14,383 | 32,375 | | 2,100 | 16,020 | 18,120 | | 1.698 | 2,039 | 3.737 |
| | Total | | 402 | 15,755 | 16,157 | 37,313 | 1,087 | 2,100 | 17,794 | 20,981 | 1,087 | 869"1 | | 4,824 |
| | Urban | | | 3,864 | 3,864 | 5,769 | 1.270 | - | 3,864 | 5,134 | 1,270 | | | 1,270 |
| Dao | Rural | | | 17,548 | 17,548 | 24,521 | | | 17,548 | 17,548 | | | | |
| | Total | | | 21,412 | 21,412 | 30,290 | 1,270 | | 21,412 | 22,682 | 1,270 | | | 1,270 |
| | Urban | | | 2,841 | 2,841 | 3,768 | | | 2,841 | 2,841 | | | - | |
| Dumalag | Rural | 2,465 | 775 | 18,464 | 21,704 | 32,277 | 2,465 | 775 | 18,464 | 21,704 | | | | |
| | Total | 2,465 | 775 | 21,305 | 1 | 36,045 | 2,465 | 775 | 21,305 | 24,545 | | | | |
| | Urban | 1.890 | 75 | 2,309 | 4,274 | 5,799 | 3,167 | 75 | 2,309 | 5,551 | 1,277 | | | 1,277 |
| Dumarao | Rural | 340 | 350 | 28,215 | 28,905 | 35,944 | 340 | 350 | 28,215 | 28,905 | | | | |
| | Total | 2,230 | 425 | 30,524 | 33,179 | 7 | 3,507 | .425 | 30,524 | 34,456 | 1,277 | | | 1,277 |
| | Urban | 1,285 | | 1,687 | 2,972 | 5,083 | 2,404 | | 1,687 | 4,091 | 1,119 | | | 1,119 |
| Ivisan | Rural | 655 | 675 | 10,117 | 11,447 | 20,957 | 655 | 675 | 10,117 | 11,447 | | | | |
| | Total | 1,940 | 675 | 11,804 | 14,419 | 7 | 3, | 675 | 11,804 | 15,538 | 1,119 | | | 1,119 |
| | Urban | | | 722 | 722 | 3,380 | 744 | | 722 | 1,466 | 744 | | | 744 |
| Jamından | Rural | | 300 | 1,232 | 1,532 | 48,670 | | 3,961 | 3,190 | 7,151 | | 3,661 | 1,958 | 5,619 |
| | Total | | 300 | 1,954 | 2,254 | 52,050 | 744 | 3,961 | 3,912 | 8,617 | 744 | 3,661 | 1,958 | 6,363 |
| | Urban | | | 2,422 | 2,422 | 4,770 | 1,050 | | 2,422 | 3,472 | 1,050 | | | 1,050 |
| Ma-ayon | Rural | | 500 | 11,636 | 12,136 | 27.522 | | 3,677 | 11,636 | 15,313 | | 3,177 | | 3,177 |
| | Total | | 200 | 14,058 | 14,558 | 32,292 | 1.050 | 3,677 | 14,058 | 18,785 | 1,050 | 3,177 | | 4,227 |
| | Urban | 2,175 | | 1,944 | 4,119 | 7,279 | 3,778 | | 1,944 | 5.722 | 1,603 | | | 1,603 |
| Mambusao | Rural | 10 | 099 | 14,196 | 14,866 | 34,833 | 10 | 099 | 18,217 | 18,887 | | | 4,021 | 4,021 |
| | Total | 2,185 | 999 | 16,140 | 18,985 | 42,112 | 3,788 | 099 | 20,161 | 24,609 | 1,603 | | 4,021 | 5,624 |
| | Urban | 1,685 | | 25 | 1,710 | 3,283 | 2,408 | | 25 | 2.433 | 723 | | | 723 |
| Panay | Rural | 4,960 | | 1,166 | 6,126 | 42,061 | 4,960 | | 6,022 | 10,982 | | | 4.856 | 4.856 |
| | Total | 6.645 | | 1,191 | 7.836 | 45.344 | 7,368 | | 6.047 | 13,415 | 723 | | 4.856 | 5.579 |
| | | Warted Street, and other Princes. | Charles of the Control of the Contro | | | | | | | | | | | |

Table 8.5.2 Population to be Served in Phase I (Water Supply) (Cont'd)

| | | Popular | Population Served in t | l in the Base Year | e Year | | | | Phase I | Phase I Coverage (2005) | (2005) | | | |
|----------------------|-------|-----------|------------------------|--------------------|---------|----------------------|-----------|------------------|---------|-------------------------|-----------|------------|------------------------------------|--------|
| Name of | Area | | | | | Total | | Service Coverage | overage | | Additio | nal Popula | Additional Population to be Served | Served |
| Municipality/City | | Level III | Level II | Level I | Total | Population Level III | Level III | Level 11 | Level I | Total | Level III | Level II | Level 1 | Total |
| | Urban | 995 | | 825 | 1,820 | 2,726 | 1.595 | | 825 | 2,420 | 009 | | | 009 |
| Panitan | Rura | 840 | 625 | 19.394 | 20,859 | 32,258 | 840 | 625 | 19,394 | 20.859 | | | | |
| | Total | 1,835 | 625 | 20,219 | 22,679 | 34,984 | 2,435 | 625 | 20,219 | 23,279 | 009 | | | 000 |
| | Urban | 860 | | 3,026 | 3,886 | 5.306 | 2,028 | | 3,026 | 5,054 | 1,168 | | | 1,168 |
| Pilar | Rural | 195 | 665 | 24,365 | 25,225 | 33,241 | 195 | 665 | 24,365 | 25,225 | | | | |
| | Total | 1,055 | 999 | 27.391 | 29,111 | 38,547 | 2,223 | 999 | 27,391 | 30,279 | 1,168 | | | 1,168 |
| | Urban | 3,680 | | 380 | 4,060 | 6,901 | 5,199 | | 380 | 5,579 | 1,519 | | | 1,519 |
| Pontevedra | Rural | 3,400 | 2,628 | 8,585 | 14,613 | 35.570 | 3,400 | 2,628 | 12,691 | 18,719 | | | 4,106 | 4,106 |
| | Total | 7,080 | 2,628 | 8,965 | 18,673 | 42,471 | 8,599 | 2,628 | 13,071 | 24,298 | 1,519 | | 4,106 | 5.625 |
| | Urban | | - | 2,769 | 2,769 | 6,972 | 1,535 | | 2,769 | 4,304 | 1,535 | | | 1,535 |
| President Roxas | Rura | | 125 | 4,997 | 5,122 | 19,748 | | 159 | 6,751 | 7,402 | | 526 | 1,754 | 2,280 |
| | Total | | 125 | 7.766 | 7,891 | 26.720 | 1,535 | 159 | 9,520 | 11,706 | 1,535 | 526 | 1,754 | 3,815 |
| | Crban | 33,945 | | 20.946 | 54,891 | 73,329 | 33,945 | | 20.946 | 54,891 | | | | |
| Roxas City (Capital) | Rura | 16,315 | 948 | 36,751 | 54,014 | 89,131 | 16,315 | 948 | 36,751 | 54,014 | | | | |
| | Total | 50,260 | 948 | 57,697 | 108,905 | 162,460 | 50,260 | 948 | 57.697 | 108,905 | | | | |
| | Urban | | | 1.376 | 1,376 | 4,239 | 933 | | 1,376 | 2,309 | 933 | | | 933 |
| Sapi-an | Rura | | 099 | 12,017 | 12,677 | 20,002 | | 099 | 12,017 | 12,677 | | | | |
| | Totai | | 099 | 13,393 | 14,053 | 24,241 | 933 | 099 | 13,393 | 14,986 | 933 | | | 933 |
| | Urban | | | 674 | 674 | 2,375 | 523 | | 674 | 1,197 | 523 | | | 523 |
| Sigma | Rural | | 1.18 | 6.232 | 7,332 | 25.633 | | 1,612 | 8,679 | 10,291 | | 512 | 2,447 | 2.959 |
| | Total | | 1,100 | 906'9 | 8,006 | 28,008 | 523 | 1.612 | 9,353 | 11,488 | 523 | 512 | 2,447 | 3,482 |
| | Urban | | | 1,747 | 1,747 | 2,179 | | | 1,747 | 1,747 | | | | |
| Tapaz | Rural | | 200 | 16,576 | 17,076 | 39,474 | | 200 | 21,133 | 21.633 | | | 4,557 | 4.557 |
| | Total | | 200 | 18,323 | 18,823 | 41,653 | | 005 | 22,880 | 23.380 | | | 4.557 | 4,557 |
| | Urban | 46,515 | 75 | 49,331 | 95,921 | 148,096 | 61,666 | 75 | 49,331 | 111,072 | 15,151 | | | 15,151 |
| Provincial Total | Rura | 29,180 | 10,913 | 245,472 | 285,565 | 594,217 | 29,180 | 20,487 | 271,210 | 320,877 | | 9.574 | 25.738 | 35,312 |
| | Total | 75,695 | 10,988 | 294,803 | 381,486 | 742,313 | 90,846 | 20,562 | 320,541 | 431,949 | 15,151 | 9.574 | 25.738 | 50,463 |

Table 8.5.3 Population to be Served in Phase II (Water Supply)

| | | Po | Population Served in | erved in 2005 | v | | | | Phase II | Phase II Coverage (2010) | 2010) | | | |
|-------------------|-----------------|-----------|----------------------|---------------|--------|----------------------|-----------|------------------|----------|--------------------------|-----------|-------------|------------------------------------|--------|
| Name of | Area | | | | | 7.5 | | Service Coverage | overage | | Additio | onal Popula | Additional Population to be Served | erved |
| Municipality/City | | Level III | Level II | Level ! | Total | Population Level III | Level III | Level II | Level I | Total | Level III | Level II | Level I | Total |
| | 1 1.40.0 | 7001 | | 1 774 | 2.861 | 5.515 | 5,239 | | | 5,239 | 4,152 | | | 4,152 |
| | 010 | ,00, | 2 100 | 16.020 | 18,120 | | | 2,100 | 31,605 | 33,705 | | | 15,585 | 15,585 |
| Cuartero | Total | 1 087 | 2 100 | 17.794 | 20.981 | | 5,239 | | 31,605 | 38.944 | 4,152 | | 15.585 | 19,737 |
| | 1 Phan | 1.270 | | 3.864 | 5,134 | 8,052 | 7,649 | | | 7,649 | 6.379 | | | 6,379 |
| Č | Parita Surra | į | | 17.548 | 17,548 | 24,127 | | | 22,438 | 22,438 | | | 4,890 | 4.890 |
| 0,40 | Total | 1.270 | | 21,412 | 22,682 | | | | 22,438 | 30,087 | 6,379 | | 4.890 | 11,269 |
| | Urban | | | 2,841 | 2.841 | 4.102 | 3,897 | | | 3.897 | 3,897 | | , | 3.897 |
| Dumalag | Rural | 2,465 | 775 | 18,464 | 21,704 | | | | 29.070 | 32,310 | | | 10,606 | 10.606 |
| 0 | Total | 2.465 | 775 | 21,305 | 24,545 | | | 775 | 29.070 | 36.207 | 3.897 | | 10,606 | 14,503 |
| | Urban | 3,167 | 75 | 2,309 | 5,551 | | 7 | | | 7.482 | 4,315 | | | 4,315 |
| Dimerso | 2 | 340 | 350 | 28,215 | 28,905 | 37,033 | 340 | | 33,751 | 34,44 | | | 5.536 | 0.550 |
| | To 1 | 3 507 | | 30.524 | 34,456 | 44,909 | 7.822 | 350 | 33,751 | 41,923 | 4,315 | | 5,536 | 9,851 |
| | irhan | 2 404 | | 1.687 | 4,091 | 5.622 | 5,341 | | | 5,341 | 2,937 | | | 2,937 |
| 10000 | 0 | 559 | 675 | 10.117 | 11,447 | | 929 | 675 | 19.725 | 21,055 | | | 809,6 | 9.608 |
| (peci v L | 1 2 2 | 3.050 | 675 | 11,804 | 15,538 | 28,262 | 966'5 | 675 | 19.725 | 26,396 | 2,937 | | 9,608 | 12,545 |
| | 11-1-1 | 747 | | 722 | 1,466 | | 3,850 | | | 3,850 | 3,106 | | | 3,106 |
| Toping | 2 2 | | 3.961 | 3,190 | 7,151 | 52,750 | | 3,961 | 45,097 | 49,058 | | | 41,907 | 41.907 |
| | Total | 744 | 3.961 | 3,912 | 8,617 | 56,803 | 3,850 | 3,961 | 45,097 | 52,908 | | | 41.907 | 45,013 |
| | 1 Jrhan | 1 050 | | 2,422 | 3.472 | 5,216 | 4,955 | | | 4.955 | 3,905 | | | 3,905 |
| A Concrete | <u> </u> | | 3.677 | 11,636 | 15,313 | 28,674 | | 3,677 | 22,990 | 26,667 | | | 11,354 | 11,354 |
| | L C | 1.050 | 3.677 | 14,058 | 18,785 | 33,890 | 4,955 | 3,677 | 22,990 | 31,622 | 3,905 | | 11,354 | 15,259 |
| | Urban | 3.778 | | 1.944 | 5,722 | 7,904 | 7.509 | | | 7,509 | 3,731 | | | 3.731 |
| Mambrican | 8112 | 10 | 099 | 18,217 | 18,887 | 35,408 | 10 | 099 | 32,259 | 32,929 | | | 14,042 | 14,042 |
| American | Total | 3.788 | | 20,161 | 24,609 | 43,312 | 7,519 | 099 | 32,259 | 40,438 | 3 | | 14,042 | 17,773 |
| | Urban | 2,408 | | | 2,433 | 3,385 | 3,216 | | | 3.216 | 808 | | | 808 |
| Panav | Rura | 4.960 | | 6.022 | 10,982 | 44,952 | 4,960 | | 36,845 | 41,805 | | | 30,823 | 30,823 |
| | Tota | 7.368 | | 6.047 | 13.415 | 48,337 | 8,176 | | 36.845 | 45,021 | 808 | | 30.823 | 31.631 |
| | , | | | | | | | | | | | | | 1 |

Table 8.5.3 Population to be Served in Phase II (Water Supply) (Cont'd)

| | | | | 0 | 904 -: 1 | 9 | | | | Dhoce II | Phoce II Coverson (2010) | 70107 | | | |
|--------|----------------------|---------------|-----------|-------------------|---------------|---------|------------|-----------|------------------|-----------|--------------------------|-----------|-------------|------------------------------------|---------|
| | | | Lo | ropulation Served | irved in 2003 | | | | | I HASC IX | 1 | (0×04) | 2 | 3 04 07 | 7 |
| . 100. | Name of | A rea | | | | | Total | | Service Coverage | overage | | Addition | onal Popula | Additional Population to be Served | P. C. |
| | Municipality/City | 5 ? | Level III | Level II | Level I | Tota | Population | Level III | Level II | Level 1 | Total | Level III | Level II | Level 1 | Total |
| | | Urban | 1,595 | | 825 | 2,420 | 2,851 | 2,708 | | | 2,708 | 1,113 | | | 1,113 |
| - * | Panitan | Rural | 840 | 625 | 19,394 | 20,859 | 34,117 | 840 | 625 | 30,264 | 31,729 | | | 10,870 | 10,870 |
| | | Total | 2,435 | 625 | 20,219 | 23,279 | 36,968 | 3,548 | 625 | 30,264 | 34,437 | 1,113 | | 10,870 | 11,983 |
| | | Urban | 2,028 | | 3.026 | 5.054 | 7.176 | 6,817 | | - | 6,817 | 4,789 | | | 4,789 |
| | Pilar | Rural | 195 | 999 | 24,365 | 25,225 | 33,638 | 561 | 999 | 30,423 | 31,283 | | | 6.058 | 6,058 |
| | | Total | 2,223 | 999 | 27,391 | 30,279 | 40,814 | 7,012 | 999 | 30,423 | 38,100 | 4,789 | | 6.058 | 10,847 |
| في` | | Urban | 5,199 | | 380 | 5.579 | 7,458 | 7,085 | | | 7,085 | 1,886 | | | 1,886 |
| | Pontevedra | Rural | 3,400 | 2,628 | 12,691 | 18,719 | 38,030 | 3,400 | 2,628 | 29.340 | 35,368 | | | 16,649 | 16.649 |
| · | | Total | 8,599 | 2,628 | 13,071 | 24,298 | 45,488 | 10,485 | 2,628 | 29,340 | 42,453 | 1,886 | | 16,649 | 18,535 |
| 3 - | | Urban | 1,535 | | 2,769 | 4,304 | 6,936 | 685'9 | | | 685'9 | 5,054 | | | 5,054 |
| 31 | President Roxas | Rural | | 651 | 6,751 | 7.402 | 20,729 | | 159 | 18,627 | 19.278 | | | 11.876 | 11,876 |
| | | Total | 1,535 | 651 | 9,520 | 11,706 | | 685'9 | 159 | 18,627 | 25,867 | 5,054 | | 11,876 | 16,930 |
| | | Urban | 33,945 | | 20,946 | 54,891 | 102,887 | 97,743 | | | 97,743 | 63,798 | | | 63,798 |
| | Roxas Ciry (Capital) | Rural | 16,315 | 948 | 36,751 | 54,014 | 80,273 | 16,315 | 948 | 57.391 | 74,654 | | | 20,640 | 20,640 |
| • | | Total | 50,260 | 948 | 57,697 | 108,905 | 183,160 | 114,058 | 948 | 57,391 | 172,397 | . 63,798 | | 20.640 | 84,438 |
| | | Urban | 933 | | 1,376 | 2,309 | 4,669 | 4,436 | | | 4,436 | 3,503 | | | 3,503 |
| У | Sapi-an | Rural | | 099 | 12,017 | 12,677 | | | 099 | 18,805 | 19,465 | | | 6,788 | 6,788 |
| | | Total | 933 | 099 | 13,393 | 14,986 | | 4,436 | 099 | 18,805 | 23,901 | 3,503 | | 6,788 | 10,291 |
| | | Urban | 523 | | 674 | 1,197 | _ | 2,256 | | | 2,256 | 1,733 | | | 1,733 |
| • | Sigma | Rura | | 1,612 | 8,679 | 10,291 | 27.888 | | 1.612 | 24,324 | 25,936 | | | 15,645 | 15.645 |
| •.• | | Total | 523 | 1,612 | 9,353 | 11,488 | 30,263 | 2,256 | 1.612 | 24,324 | 28,192 | 1,733 | | 15,645 | 17,378 |
| | | Urban | | | 1,747 | 1,747 | 2,317 | 2,201 | | | 2,201 | 2,201 | | | 2,201 |
| | Tapaz | Rural | | 200 | 21,133 | 21,633 | 41,176 | | 500 | 37,794 | 38,294 | | | 16,661 | 16,661 |
| | | Total | | 200 | 22,880 | 23,380 | 43,493 | 2,201 | 200 | 37,794 | 40,495 | 2,201 | | 16,661 | 18,862 |
| | | Urban | 999,19 | 7.5 | 49,331 | 111,072 | 188,394 | 178,973 | | | 178,973 | 117,307 | | | 117,307 |
| | Provincial Total | Rural | 29,180 | 20,487 | 271,210 | 320,877 | 613,349 | 29,180 | 20,487 | 520,748 | 570,415 | | | 249,538 | 249.538 |
| | | Total | 90.846 | 20,562 | 320,541 | 431,949 | 801,743 | 208,153 | 20,487 | 520.748 | 749,388 | 117,307 | | 249.538 | 366.845 |
| | | | | | | | ¥ | | | | | | | | |

8.5.2 Sanitation

Table 8.5.4 Additional Number of Households to be Served in Phase I (Household Toilets)

| | | | No. of Househ in the Base | of Household Served in the Based Year | Þ | | | | Phase 1 | Phase I Coverage (2005) | 2005) | | • | |
|-------------------|-------|-------|------------------------------|--|-------|----------|-------|--------------------|----------|-------------------------|---------|---------------|------------------------------------|-------|
| Municipality/City | Area | | D. 10 | | | Total No | | Household Coverage | Coverage | | Additio | nal No. of | Additional No. of HHs to be Served | erved |
| Wanteparity/City | | Flush | Flush | V1P/Dry | Total | of HHs | Flush | Pour Flush | VIP/Dry | Total | Flush | Pour Flush | VIP/Dry | Total |
| | Urban | 152 | 512 | 12 | 929 | 506 | 152 | 546 | 142 | 840 | | 34 | 130 | 164 |
| Cuartero | Rural | | 250 | | 271 | Š | 229 | 2,746 | 1,601 | 4.576 | 229 | 2,496 | 1,580 | 4,305 |
| | Total | 152 | 762 | 33 | 947 | 6,623 | 381 | 3,292 | 1,743 | 5,416 | 229 | 2,530 | 1,710 | 4,469 |
| | Urban | 38 | | | 1,009 | 1,107 | 155 | 875 | | 1,030 | 21 | | | 21 |
| Dao | Rural | | - | 2,635 | 4,206 | 4,817 | | 1,571 | 2,635 | 4,206 | | | | |
| | Total | 38 | | 2,635 | 5,215 | 5,924 | 155 | 2,446 | 2,635 | 5,236 | 21 | | | 21 |
| | Urban | 13 | 370 | | 383 | 089 | 13 | 411 | 208 | 632 | | 4.1 | 208 | 249 |
| Dumalag | Rura | | 2,585 | 1.779 | 4,364 | 5,933 | | 2,848 | | 4,746 | | 263 | 119 | 382 |
| | Total | 13 | 2,955 | 1,779 | 4,747 | 6,613 | 13 | 3,259 | 2,106 | 5,378 | | 304 | 327. | 631 |
| | Urban | 40 | | | 1.047 | | 167 | 945 | | 1,112 | 65 | | | 65 |
| Dumarao | Rural | 12 | | 4.813 | 5,066 | 7,160 | 286 | 3,437 | 2,005 | 5,728 | 274 | 388 | | 662 |
| | Total | 52 | 1,042 | 5,019 | 6,113 | 8,356 | 453 | 4,382 | 2,005 | 6,840 | 339 | 388 | | 727 |
| | Urban | | 804 | | 804 | | 132 | 750 | | 882 | 78 | - | | 78 |
| Ivisan | Rural | | 2.540 | | 2,540 | 4,117 | 165 | 3,129 | | 3,294 | 165 | 589 | | 754 |
| | Total | | 3.344 | | 3,344 | | 297 | 3,879 | | 4,176 | 243 | 589 | | 832 |
| | Urban | | 450 | 9 | 490 | 683 | 56 | 540 | | 635 | 95 | 20 | | 145 |
| Jamindan | Rural | | 1,290 | 4.856 | 6,146 | | 372 | 4,467 | | 7,445 | 372 | 927 | | 1,299 |
| | Total | | 1,740 | 968.4 | 6,636 | 686'6 | 467 | 5.007 | | 8,080 | 467 | 776 | | 1,444 |
| | Urban | | 89 | 163 | 845 | | 131 | 740 | | 871 | 26 | | | 26 |
| Ma-avon | Rura | | 2,459 | 1,125 | 3,584 | 5,293 | 212 | 2.540 | 1,482 | 4,234 | 212 | 81 | 357 | 650 |
| | Total | | 3,141 | 1,288 | 4,429 | 6,230 | 343 | 3,280 | | 5,105 | 238 | 81 | 357 | 676 |
| | Urban | | 439 | 642 | 1,081 | 916,1 | 184 | 796 | 244 | 1,224 | 143 | | | 143 |
| Mambusao | Rural | - | 2 | 5,390 | 5.392 | 6.884 | 275 | 3,304 | 1,928 | 5.507 | 115 | | | 115 |
| | Total | | 441 | 6,032 | 6,473 | 8,200 | 459 | 4,100 | 2,172 | 6,731 | 258 | | | 258 |
| | Urban | | 268 | | 568 | . 650 | 91 | 514 | | 605 | 37 | | | 37 |
| Panay | Rural | | 669'5 | | 669.5 | | 307 | 5,833 | | 6,140 | 307 | 134 | | 441 |
| | Total | | 6.267 | | 6.267 | 8,325 | 398 | 6,347 | | 6,745 | 344 | 134 | | 478 |

6

Table 8.5.4 Additional Number of Households to be Served in Phase I (Household Toilets) (Cont'd)

| | | Z | No. of Household | ehold Served | P | | | (************************************** | Phoco I | 700000 | (3000 | | | |
|---|-------|-------|------------------|--------------|--------|-----------|--------|---|----------|-------------------------|---------|------------------------------------|-------------|--------|
| Name of | 1_ | | | | | | | 11. | 1 11430 | 1 mase 1 Coverage (2003 | (COO? | | | |
| | Area | Ē | Pour | 4 | 1 | Total No. | | Household Coverage | Coverage | | Additio | Additional No. of HHs to be Served | HHs to be S | erved |
| viunicipanity/City | | Fiush | Flush | VIP/Dry | [ota] | of HHs | Flush | Pour Flush | VIP/Dry | Total | Flush | Pour Flush | VIP/Dry | Total |
| | Urban | 19 | 366 | | 385 | 519 | 72 | 411 | | 483 | 53 | 45 | | 86 |
| Panitan | Rura | | 1,742 | | 1,742 | 6,144 | 246 | 2,949 | 1,720 | 4,915 | 246 | 1,207 | 1,720 | 3,173 |
| | Total | 61 | 2,108 | | 2,127 | 6,663 | 318 | 3,360 | 1,720 | 5,398 | 299 | 1,252 | 1.720 | 3,271 |
| | Crban | | 918 | | 918 | 1,074 | 150 | 849 | | 666 | 81 | | | 81 |
| Pilar | Rural | | 1,092 | 4,406 | 5,498 | 6.430 | | 1,092 | 4,406 | 5,498 | | | | |
| A COLUMN TO THE | Total | | 2,010 | 4,406 | 6,416 | 7.504 | 150 | 1,941 | 4,406 | 6,497 | 81 | | | 81 |
| | Urban | 379 | 488 | 93 | 096 | 1.211 | 379 | 732 | 15 | 1,126 | | 166 | | 188 |
| Pontevedra | Rural | 388 | 4.104 | 1,036 | 5,528 | 6,649 | 388 | 4,104 | 1,036 | 5,528 | | | | |
| | Total | 767 | 4.592 | 1,129 | 6,488 | 7.860 | 191 | 4,836 | 1,051 | 6,654 | | 166 | | 166 |
| | Urban | | 635 | 339 | 974 | 1,346 | 881 | 814 | 250 | 1,252 | 188 | 06 | | 278 |
| President Roxas | Rural | | 2,217 | 774 | 2,991 | 3,754 | 150 | 2,853 | | 3,003 | 12 | | | 12 |
| | Total | | 2,852 | 1,113 | 3,965 | 5,100 | 338 | 3.667 | 250 | 4,255 | 200 | 06 | | 290 |
| | Crba | 4,148 | 6,954 | 179 | 11.281 | 14,350 | 4,148 | 8.675 | 523 | 13,346 | | 1.721 | 24 <u>5</u> | 2,065 |
| Koxas City (Capital) | Rural | 2,802 | 9,391 | 521 | 12,714 | 16.881 | 2,802 | 10,703 | | 13,505 | | 791 | | 791 |
| | Total | 6.950 | 16,345 | 700 | 23,995 | 31,231 | 056'9 | 19,378 | 523 | 26,851 | | 2,512 | 344 | 2,856 |
| | Crban | | 742 | | 742 | 846 | 118 | 699 | | 787 | 45 | | | 45 |
| Sapi-an | Rural | | 2,895 | | 2,895 | 3.839 | 154 | 2,917 | | 3,071 | 154 | 22 | | 176 |
| | Total | | 3,637 | | 3,637 | 4,685 | 272 | 3,586 | | 3.858 | 199 | 22 | | 221 |
| | Urban | | 261 | 122 | 383 | 472 | 99 | 285 | 88 | 439 | 99 | | | 56 |
| Sigma | Rura | | 173 | 3.290 | 3,463 | 5,006 | 200 | 2,403 | 1,402 | 4,005 | 200 | 342 | | 542 |
| | Total | | 434 | 3,412 | 3.846 | 5,478 | 266 | 2,688 | 1,490 | 4,444 | 256 | 342 | | 598 |
| | Crban | | 371 | | 371 | 411 | | 382 | | 382 | | = | | 11 |
| lapaz | Rural | | 1,856 | 1,536 | 3,392 | 8,056 | | 3.867 | 2.578 | 6,445 | ļ | 2,011 | 1.042 | 3,053 |
| | Total | | 2,227 | 1.536 | 3,763 | 8,467 | | 4,249 | 2,578 | 6,827 | | 2,022 | 1.042 | 3.064 |
| | Urban | 4,789 | 16,332 | | 22,917 | 28,649 | 6,241 | 18,934 | 1,470 | 26,645 | 888 | 2,158 | 682 | 3,728 |
| Provincial Total | Rural | 3,202 | 40,107 | 32,182 | 75,491 | 113,664 | 5.786 | 60,763 | 25,297 | 91,846 | 2,286 | 9,251 | 4.818 | 16,355 |
| | Total | 7,991 | 56,439 | 33.978 | 98,408 | 142,313 | 12,027 | 269.62 | 26,767 | 118,491 | 3.174 | 11,409 | 5.500 | 20,083 |

Table 8.5.5 Additional Number of Households to be Served in Phase II (Household Toilets)

| Municipality/City Area Flush Municipality/City Urban 152 Cuartero Rural 229 Total 381 Urban 155 Dao Rural Total 155 | Pour Flush | | | | | | | | | | | •• |
|---|---------------|---------|-------|----------|-------|--------------------|----------|--------|---------|---------------|------------------------------------|-------|
| Flux Urban Total Urban Rural Rural Total Total | Flush | | | Total No | | Household Coverage | Coverage | | Additio | nal No. of | Additional No. of HHs to be Served | erved |
| Urban Rural Total Urban Rural Total | | VIP/Dry | Total | of HHs | Flush | Pour Flush | VIP/Dry | Total | Flush | Pour Flush | VIP/Dry | Total |
| Rural Total Urban Rural Total | 546 | 142 | 840 | 1,379 | 641 | 499 | 142 | 1,282 | 489 | - | | 489 |
| Total Urban Rural Total | 2,746 | 1,601 | 4,576 | 9,061 | 229 | 6,597 | 1,601 | 8,427 | | 3,851 | | 3,851 |
| Urban Rural Total | 3,292 | 1,743 | 5,416 | 10,440 | 870 | 7,096 | 1,743 | 9.709 | 489 | 3,851 | | 4,340 |
| Rural | 875 | | 1,030 | 2,013 | 936 | 936 | | 1.872 | 781 | 61 | | 842 |
| Total | 1.571 | 2,635 | 4,206 | 6.032 | | 2,975 | 2,635 | 5,610 | | 1,404 | | 404, |
| | 2,446 | 2,635 | 5.236 | 8,045 | 936 | 3,911 | 2,635 | 7,482 | 781 | 1,465 | | 2,246 |
| Urban 13 | 411 | 208 | 632 | 1,026 | 477 | 269 | 208 | 954 | 464 | | | 404 |
| Dumalag Rural | 2,848 | 1,898 | 4.746 | 989,8 | 808 | 5,372 | 1,898 | 8,078 | 808 | 2,524 | | 3,332 |
| | 3,259 | 2,106 | 5,378 | 9,712 | 1,285 | 5,641 | 2,106 | 9,032 | 1,272 | 2,524 | | 3,796 |
| Urban 167 | 945 | | 1,112 | 1,969 | 916 | 915 | | 1,831 | 749 | | | 749 |
| | 3,437 | 2,005 | 5,728 | 9,258 | 340 | 6,265 | 2,005 | 8,610 | 2 | 2,828 | | 2,882 |
| Total | 4,382 | 2,005 | 6,840 | 11,227 | 1,256 | 7,180 | 2,005 | 10,441 | 803 | 2,828 | | 3,631 |
| | 750 | | 882 | 1,406 | 654 | 654 | | 1,308 | 522 | | | 522 |
| | 3,129 | | 3,294 | 5,660 | 526 | 4,738 | | 5,264 | 361 | 1,609 | | 1,970 |
| | 3,879 | | 4,176 | 7,066 | 1,180 | 5,392 | | 6,572 | 883 | 1,609 | | 2,492 |
| | 540 | | 635 | 1,013 | 471 | 471 | | 942 | 376 | | | 376 |
| | 4,467 | 2,606 | 7,445 | 13,188 | 372 | 9,287 | 2,606 | 12,265 | | 4.820 | | 4.820 |
| Total | 5,007 | 2,606 | 8.080 | 14,201 | 843 | 9,758 | 2,606 | 13,207 | 376 | 4,820 | | 5,196 |
| Urban 131 | 740 | | 871 | 1,304 | 209 | 909 | | 1,213 | 476 | | | 476 |
| Ma-ayon Rural 212 | 2,540 | 1,482 | 4,234 | 7,169 | 212 | 4,973 | 1,482 | 6,667 | | 2,433 | | 2,433 |
| Total | 3,280 | 1,482 | 5,105 | 8,473 | 819 | 5,579 | 1,482 | 7,880 | 476 | 2,433 | - | 2,909 |
| c | 266 | 244 | 1,224 | 1,976 | 616 | 675 | 244 | 1,838 | . 735 | | | 735 |
| | 3,304 | 1.928 | 5,507 | 8,852 | 10 | 6,294 | 1,928 | 8,232 | | 2.990 | | 2,990 |
| Total | 4,100 | 2.172 | 6,731 | 10,828 | 929 | 696'9 | 2,172 | 10,070 | 735 | 2,990 | | 3,725 |
| _ | 514 | | 605 | 846 | 394 | 393 | - | 787 | 303 | | | 303 |
| Panay Rural 307 | 5,833 | | 6,140 | 11,238 | 1,045 | 9,406 | | 10,451 | 738 | 3,573 | | 4,311 |
| | 6,347 | | 6,745 | 12,084 | 1,439 | 662.6 | | 11,238 | 1,041 | 3,573 | | 4.614 |

Table 8.5.5 Additional Number of Households to be Served in Phase II (Household Toilets) (Cont'd)

| | | No. | No. households Serve | Served in 2005 | 500; | | | | Phase II | Phase II Coverage (2010) | (2010) | | | |
|----------------------|-------|--------|----------------------|----------------|---------|-----------|--------|--------------------|----------|--------------------------|---------|---------------|------------------------------------|--------|
| Name of | | | 1 | | | Total No. | | Household Coverage | Сочетаре | | Additio | nal No. of | Additional No. of HHs to be Served | erved |
| Municipality/City | Area | Flush | Flush | VIP/Dry | Total | of HHs | Flush | Pour Flush | VIP/Dry | Total | Flush | Pour Flush | VIP/Dry | Total |
| | Urban | 72 | 411 | | 483 | 713 | 332 | 331 | | 663 | 260 | | | 260 |
| Panitan | Rural | 246 | 2,949 | 1,720 | 4,915 | 8,529 | 793 | 5,419 | 1,720 | 7,932 | 547 | 2,470 | | 3,017 |
| | Total | 318 | 3,360 | 1.720 | 5.398 | 9.242 | 1,125 | 5,750 | 1,720 | 8.595 | 807 | 2,470 | | 3,277 |
| | Urban | 150 | 849 | | 666 | 1.794 | 834 | 834 | | 1,668 | 684 | | ~~ | 684 |
| Pilar | Rural | | 1,092 | 4,406 | 5,498 | 8,410 | 195 | 3,220 | 4,406 | 7,821 | 195 | 2,128 | | 2,323 |
| | Total | 150 | 1,941 | 4,406 | 6,497 | 10,204 | 1,029 | 4,054 | 4,406 | 9,489 | 879 | 2,128 | | 3,007 |
| | Urban | 379 | 732 | 15 | 1,126 | 1.865 | 298 | 852 | 15 | 1,734 | 488 | 120 | | 809 |
| Pontevedra | Rural | 388 | 4,104 | 1,036 | 5.528 | 805'6 | 884 | 6,922 | 1.036 | 8,842 | 496 | 2,818 | | 3,314 |
| | Total | 191 | 4.836 | 1,051 | 6,654 | 11,373 | 1,751 | 7,774 | 1,051 | 10,576 | 984 | 2,938 | | 3,922 |
| | Urban | 188 | 814 | 250 | 1.252 | 1,734 | 807 | 556 | 250 | 1,613 | 619 | | | 619 |
| President Roxas | Rural | 051 | 2.853 | | 3,003 | 5,182 | 150 | 4,669 | | 4.819 | | 1.816 | | 1,816 |
| | Total | 338 | 3,667 | | 4,255 | 6,916 | 756 | 5,225 | 250 | 6,432 | 619 | 1,816 | | 2,435 |
| | Urban | 4,148 | 8,675 | 523 | 13,346 | 25,722 | 11,961 | 11,437 | 523 | 23,921 | 7,813 | 2,762 | | 10,575 |
| Roxas City (Capital) | Rural | 2,802 | 10,703 | | 13,505 | 20,068 | 1,866 | 16,797 | | 18,663 | | 6.094 | | 6,094 |
| | Total | 056'9 | 19,378 | 523 | 26.851 | 45,790 | 13,827 | 28,234 | 523 | 42,584 | 7,813 | 8,856 | | 16,669 |
| | Urban | 811 | 699 | | 787 | 1,167 | 543 | 542 | | 1,085 | 425 | | | 425 |
| Sapi-an | Rural | 154 | 2,917 | | 3,071 | 5.233 | 154 | 4,713 | | 4,867 | | 1,796 | | 1,796 |
| | Total | 272 | 3,586 | | 3,858 | 6,400 | 697 | 5,255 | | 5,952 | 425 | 1,796 | | 2,221 |
| | Urban | 99 | 285 | 88 | 439 | 594 | 276 | 188 | 88 | 552 | 210 | | | 210 |
| Sigma | Rural | 200 | 2,403 | 1,402 | 4,005 | 6.972 | 200 | 4,882 | 1,402 | 6,484 | | 2,479 | | 2,479 |
| | Total | 266 | 2,688 | 1,490 | 4,444 | 7,566 | 476 | 5.070 | 1,490 | 7,036 | 210 | 2,479 | | 2,689 |
| | Urban | | 385 | | 382 | 625 | 269 | 269 | | 538 | 269 | | | 269 |
| Tapaz | Rural | | 3,867 | 2,578 | 6,445 | 10,294 | | 6,995 | 2,578 | 9,573 | | 3,128 | | 3,128 |
| | Total | | 4,249 | 2,578 | 6.827 | 10.873 | 502 | 7,264 | 2.578 | 10,111 | 502 | 3,128 | | 3,397 |
| | Urban | 6,241 | 18,934 | 1,470 | 26.645 | 47,100 | 21,904 | 20.427 | 1,470 | 43,801 | 15,663 | 2,943 | | 18,606 |
| Provincial Total | Rural | 5.786 | 60,763 | 25,297 | 91,846 | 153,340 | 7,784 | 109.524 | 25,297 | 142,605 | 3,199 | 48,761 | | 51,960 |
| | Total | 12,027 | 79,697 | 26,767 | 118,491 | 200,440 | 29.688 | 129,951 | 26,767 | 186,406 | 18,862 | 51,704 | | 70.566 |

Table 8.5.6 Additional Number of Public School Students to be Served in Phases I and II (School Toilets)

| | Coa No of Building | | Phase I Coverage (2005) | erage (2005) | Posto Cong | Phase II Coverage (2010) | erage (2010) |
|---------------------------|---|--|---------------------------------------|---|--|---------------------------------------|--|
| Name of Municipality/City | Std. No. of Fublic School Student that can be Served in the Base Year (1998) | Projected No. of Public School Student in 2005 | Public School Students Coverage | Additional No. of Public School Student to be Served | Number of Public School Students in 2010 | Public School Students Coverage | Additional No. of Public School Students to be Served |
| Cuartero | 040 | 8,719 | 2,369 | 1,729 | 10,332 | 9,299 | 0669 |
| Dao | 096 | 6,883 | 2,325 | 1,365 | 7,770 | 6,993 | 4,668 |
| Dumalag | 1,600 | 6,670 | 2,923 | 1,323 | 7,702 | 6.932 | 4,009 |
| Dumarao | 3,920 | 10,547 | 6.012 | 2,092 | 11,978 | 10,780 | 4,768 |
| Ivisan | 1,440 | 7,146 | 2.857 | 1,417 | 8,001 | 7,201 | 4,344 |
| Jamindan | 2,480 | 12,842 | 5.027 | 2,547 | 14,839 | 13,355 | 8,328 |
| Ma-ayon | 3,200 | 9,524 | 5,089 | 1,889 | 9,495 | 8,546 | 3,457 |
| Mambusao | 1,640 | 9,011 | 3,427 | 1,787 | 988'6 | 8,897 | 5,470 |
| Panay | 1,200 | 10,287 | 3.241 | 2,041 | 11,652 | 10,487 | 7,246 |
| Panitan | 2,160 | 9,148 | 3,975 | 1,815 | 10,203 | 9,183 | 5,208 |
| Pilar | 2,080 | 10,808 | 4,224 | 2,144 | 11,805 | 10,625 | 6,401 |
| Pontevedra | 1,840 | 11,138 | 4,049 | 2,209 | 12,592 | 11,333 | 7,284 |
| President Roxas | 1,280 | 7,076 | 2,684 | 1,404 | 6,940 | 6,246 | 3,562 |
| Roxas City (Capital) | 6,360 | 36,215 | 13,544 | 7,184 | 43,232 | 38,909 | 25,365 |
| Sapi-an | 1,920 | 6.684 | 3,246 | 1.326 | 7,281 | 6,553 | 3,307 |
| Sigma | 1,280 | 5,562 | 2,383 | 1,103 | 6,440 | 5,796 | 3,413 |
| Tapaz | 2,120 | 10,869 | 4,276 | 2.156 | 11.980 | 10,782 | 6.506 |
| Provincial Total | 36,120 | 179,129 | 71,651 | 35,531 | 202,128 | 181,917 | 110,266 |
| | | | | | | | |

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II

| | | Coverage in | ge in Base Year | | Phase I Coverage | | | Phase I Coverage | |
|------------------|----------------------|----------------------------|--------------------------|----------------------------|------------------|--------------------------|----------------------------|---|--------------------------|
| Name of | | (19 | (1998) | | (2002) | | | (2010) | |
| Municipality/Cit | Type | No. of PU | No. of PU | No. of PU | Add'l. No. of | No. of PU | No. of PU | Add'I. No. of | No. of PU |
| > | | with Toilets Facilities | with Sanitary Toilets | with Toilets Facilities | with Sanitary | with Sanitary Toilets | with Toilets Facilities | with Sanitary | with Sanitary Toilets |
| | Public Market | 2 | 2 | 3 | 10101 | | 3 | I OHELS | 3 |
| * * y | Bus/Jeepney Terminal | | | | | | , - | | |
| Cuartero | Parks/Playground | | | 1 | | - | , | | |
| | Total | 2 | 2 | 4 | 2 | 4 | 5 | | |
| | Public Market | 2 | . 2 | 3 | 1 | М | 23 | | 3 |
| Dan | Bus/Jeepney Terminal | | | | | | 1 | - | |
| | Parks/Playground | . 2 | 2 | 3 | | 3 | 3 | | 6 |
| | Total | 4 | 4 | 9 | 2 | 9 | 7 | 1 | |
| | Public Market | 2 | 2 | 3 | | 3 | 3 | | 6 |
| Dumalac | Bus/Jeepney Terminal | | | | | | Ι | 1 | |
| | Parks/Playground | 2 | 2 | 3 | | 3 | 3 | | 3 |
| | Total | 4 | 4 | 9 | 2 | 9 | 7 | 1 | 7 |
| | Public Market | _ | 1 | 2 | | 2 | 2 | | 2 |
| Dumarao | Bus/Jeepney Terminal | | | | | | 1 | 1 | |
| | Parks/Playground | 2 | | 3 | 3 | 3 | т | | 3 |
| | Total | . 3 | 1 | .5 | 4 | 5 | 9 | | 9 |
| | Public Market | 2 | 2 | 3 | | m | 3 | | 3 |
| Ivisan | Bus/Jeepney Terminal | | | | | | - | | |
| | Parks/Playground | | | 1 | 1 | •• | 1 | | 1 |
| | Total | 2 | 2 | 4 | 2 | 4 | 5 | 1 | S |
| | Public Market | 2 | 72 | 3 | 1 | 3 | 3 | | 3 |
| Jamindan | Bus/Jeepney Terminal | 7 | | | | | | | |
| | Parks/Playground | 2 | 7 | 3 | | 3 | 3 | | 3 |
| | Total | 4 | 4 | 9 | 2 | 9 | 7 | | 7 |
| | Public Market | 2 | 2 | 3 | r | 8 | м | | 3 |
| Ma-avon | Bus/Jeepney Terminal | | | | | | _ | | _ |
| | Parks/Playground | 2 | 72 | 3 | 1 | 3 | 3 | | 3 |
| | Total | 4 | 4 | 9 | 2 | 9 | 7 | | 7 |
| | | | | | | | | *************************************** | 1 |

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd)

| | | | , | | Die in I Consultation | | | Phace I Coverage | |
|-----------------|--------------------------------|----------------------------|--------------------------|----------------------------|-----------------------------------|--------------------------|---------------|-----------------------------------|-----------|
| | | Coverage in | Coverage in Base Year | | r Hase I Coverage | | | 7 | |
| Name of | Tvne | No. of PU | No. of PU | No. of PU | Add'l. No. of Public Utilities | No. of PU | No. of PU | Add'l. No. of Public Utilities | No. of PU |
| >. | | with Toilets Facilities | with Sanitary Toilets | with Toilets Facilities | with Sanitary | with Sanitary Toilets | Facilities | with Sanitary Toilets | Toilets |
| | Th. 16 The Note of the Control | , | | 3 | 2 | 3 | 3 | | 3 |
| | Public Market | 7 | | | | | 1 | -1 | - |
| Mambusao | Parks/Plavaround | 2 | | 3 | 3 | 3 | 3 | | 6 |
| | Total | 1 4 | | 9 | 5 | 9 | 7 | | 7 |
| | Public Market | 2 | 2 | 3 | 1 | 3 | 3 | | 3 |
| | Bus/Jeepney Terminal | | | | | | 1 | 1 | |
| Panay | Parks/Playground | | | - | 1 | | ı | | |
| | Total | 2 | 2 | 4 | 2 | 4 | 5 | -1 | 5 |
| | Public Market | 2 | 2 | 3 | 1 | 3: | ю | | 8 |
| | Bus/Jeconey Terminal | | | | | | - | | • |
| Panitan | Parks/Plavground | 2 | 2 | 3 | 1 | 3 | 3 | | 3 |
| | Total | 4 | 4 | 9 | 2 | 6 | 7 | 1 | 7 |
| | Public Market | 2 | 2 | 3 | 1 | 3 | 3 | | 3 |
| | Bus/Jeepney Terminal | | | | | | - | | I |
| Pilar | Parks/Plavground | | | | 1 | 1 | 1 | | 1 |
| | Total | 2 | 2 | 4 | 2 | 4 | 8 | - | 5 |
| | Public Market | 2 | 2 | 3 | - | 3 | 3 | | 3 |
| | Bus/Jeconey Terminal | | | | | | 1 | 1 | 1 |
| Pontevedra | Parks/Playground | | | | | 1 | 1 | |] |
| | Total | 2 | 2 | 4 | 2 | 4 | 5 | | 5. |
| | Public Market | 2 | 2 | 3 | 1 | 3 | 3 | | 3. |
| - 1 | Bus/Jeepney Terminal | | | | | | 1 | 1 | 1 |
| President Roxas | Parks/Plaveround | | | | _ | 1 | ſ | | 1 |
| | Total | 2 | 7 | 4 | 2 | 4 | S | | \$ |
| | Public Market | 10 | 10 | 12 | 2 | 12 | 13 | - | 13 |
| Roxas City | Bus/Jeepney Terminal | 3 | 3 | 4 | 1 | 4 | 9 | 7 | 9 |
| (Capital) | Parks/Playground | | | 2 | 2 | 2 | rı | | 2 |
| | Total | 13 | 13 | 3! | 5 | 18 | 21 | ю | 21 |
| | | | , | | | | | | |

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd)

| 3 | 100 | | | | | | | | |
|-----------------------------|---------------------------------------|---------------------------|----------------------------|------------------------|--------------------------------|----------------------------|---------------------------|-----------------------------------|----------------------------|
| | | Coverage ii | Coverage in Base Year | -1 | Phase I Coverage | | | Phase I Coverage | |
| Name of Municipality/Cit | | No. of PU with Toilets | No. of PU with Sanitary | No. of PU with Toilets | Add'l. No. of Public Utilities | No. of PU with Sanitary | No. of PU with Toilets | Add'l. No. of Public Utilities | No. of PU with Sanitary |
| > | | Facilities | Toilets | Facilities | with Sanitary Toilets | Toilets | Facilities | with Sanitary Toilets | Toilets |
| | Public Market | 2 | 2 | 3 | | 3 | 3 | | 3 |
| 20.000 | Bus/Jeepney Terminal | | | | | | 1 | - | I |
| 18-17-0 | Parks/Playground | | | - | | _ | | | Ţ |
| | Total | 2 | 2 | 4 | 2 | 4 | 5 | | S |
| | Public Market | 7 | 2 | 3 | 1 | 8 | ĸ | | 3 |
| Signa | Bus/Jeepney Terminal | | | | | | | | |
| 1 (A) | Parks/Playground | | | 1 | _ | _ | | | |
| | Total | 2 | 2 | 4 | 2 | 4 | S | 1 | 5 |
| | Public Market | .3 | 3 | 4 | | 4 | 4 | | 4 |
| Tanaz | Bus/Jeepney Terminal | | | | | | | | |
| | Parks/Playground | 2 | 2 | 3 | 1 | ĸ | 3 | | 3 |
| | Total | 5 | · S | 7 | 2 | 7 | 8 | 1 | 8 |
| | Public Market | 77 | 41 | 09 | 19 | 09 | 61 | 1 | 61 |
| Provincial Total | Provincial Total Bus/Jeepney Terminal | . 3 | 3 | 4 | 1 | 4 | 22 | 81 | 22 |
| } | Parks/Playground | 16 | 12 | 34 | .22 | 34 | 34 | | 34 |
| | Total | 61 | 56 | 86 | 75 | 86 | 117 | 61 | 117 |

8.6 Facilities, Equipment and Rehabilitation Required to Meet the Target Services

8.6.1 Water Supply

(1) Required water supply facilities

Urban water supply:

Urban water supply facilities required by target year shown in Table 8.6.1 were estimated as the required number of house connections based on the additional service coverage.

As reference, the following requirements were also estimated:

- daily average water demand at 100 lpcd consumption rate, and
- number of deep wells to meet the daily maximum water demand based on the groundwater productivity.

(daily maximum water demand = $1.3 \times \text{daily average water demand}$)

Information pertaining to the expansion plan of Level III systems was arranged to be indicated in Table 8.6.1 and details presented in Table 8.6.2.

Rural water supply:

Rural water supply facilities required by target year shown in Table 8.6.3(a) were estimated as the number of Level II systems with number of communal faucets and the number of Level I wells broken-down to deep and shallow wells. Nineteen (19) untapped springs suitable for Level II system were confirmed during this PW4SP preparation.

(2) Required well drilling and rehabilitation equipment

The DEO-DPWH (in Roxas City) has one unit of rotary type drilling rig (12" of bit diameter and 150 m of depth). It was procured in 1991 and needs minor repair at present.

Taking into account of the existing equipment, the number of required equipment is estimated as described below.

Applicable type of well drilling equipment is determined considering the geological formation of the province, the easiness to technically operate. Both types of percussion and rotary are suitable for the soft and hard formations, and the percussion type can be easily operated and maintained without special training to drillers compared with the latter, it is very useful to bores in the boulders or cobbles formations. Thus, the drilling equipment of percussion type is recommendable to be selected in the PW4SP preparation.

Table 8.6.1 Urban Water Supply Facilities Required by Target Year

| | Reference | e on Exp | Reference on Expansion of Exi | xisting Level III System | III Syste | Ħ | | hase 1 (2005) | Phase I (2005) Requirements | | | hase 11 (2010 | Phase II (2010) Requirements | |
|----------|----------------|----------|-------------------------------|--------------------------|-----------|---------------|--------------------------|--------------------|-----------------------------|----------------------|--------------------------|--------------------|---------------------------------|-----------|
| | | | | 1000 | | | | | Daily Average | Number of | | | Party Average | |
| Name of | Name of | Ares | No. of | 0 1330 | Type of | Plan for | Additional | Number of House | Water | Spring | Additional | Number of House | Water | |
| | Operating Body | | Barangay Served | Population | Source | Expansion | to be Served Connections | Connections | Demand (m³/dav) | Dev't./ Deep Well | to be Served Connections | Connections | Demand (m ² /dav) | Deep Well |
| Cuartero | Not Applicable | Urban | N.A. | N.A. | | | | | | | | | | |
| | | Rural | ××. | X.X. | ۲ ۲ | ۷ ۲ | 1.087 | 8 | 8 | | 4,152 | 1.038 | 415 | - |
| | | Total | | | | | | | | | | | | |
| Dao | Not Applicable | Urban | Y.Z | Z. | : | ; | į | | | • | į | | | |
| | | Kural | ¿ | Υ. | ć Z | ď. | 27.0 | 1 | 121 | - | 6.579 | 0,000 | 938 | - |
| | | Total | | | | | | | | | | | | |
| Dumalag | Dumalag WS | Urban | | | | | | | | | | | | |
| | | Rural | 3 | 2,465 | çs | <u>د</u> د | | | | | 3,897 | 974 | 390 | |
| | | Total | m | 2,465 | | | | | | | | | | |
| Dumarao | Dumarao WD | Urban | 2 | 1.890 | | | | | | | | | | |
| | | Rural | 2 | 340 | SP | ž | 1,277 | 263 | 128 | - | 4,315 | 1.079 | 432 | |
| | | Total | 4 | 2,230 | : | | _ | | | | | | | |
| lvisan | Metro Roxas WD | Urban | 2 | 1.285 | | | | | | | | | | |
| | (a) | Rural | 5 | 655 | | Š, | 1,119 | 500 | 112 | ~ | 2.937 | 734 | 294 | |
| | | Total | 7 | 1,940 | | | | | | | ` | | | |
| Jamindan | Not Applicable | Urban | V.V | ď Ž | | | | | | | | | | |
| ٠ | | Rural | Y.V | K Z | K Z | ×. | 44 | 150 | 74 | | 3,106 | 777 | 311 | - |
| | | Total | | | | | - | | - | | | | | |
| Ma-ayon. | Not Applicable | Urban | N.A. | N.A. | | | | | | | | | | |
| | | Rural | N.A. | N.A. | Y. | ζ. Z. | 1,050 | 506 | 105 | **** | 3,905 | 976 | 391 | |
| | | Total | | | | | | | | | | | | |
| Mambusao | Mambusae WD | Urban | 2 | 2.175 | | | | | | | | | | |
| | | Rural | 1 | 10 | ձ | ž | 1,603 | 290 | 90 | - | 3,731 | 933 | 373 | - |
| | | Total | | 2,185 | | | | | | | | | | |
| Panay | | Urban | ъ | 1.685 | | | | | | | | | | |
| | <u>.</u> | Rural | 25 | 4.960 | | °Z | . 723 | 143 | 77 | | 808 | 202 | | |
| | | Total | 27 | 6.645 | | | | | | | | | | |
| Panitan | Panitan WD | Urban | 7 | 566 | | | | | | | | | | |
| | | Rura | ۲, | 840 | Surf | Š | 009 | _ | 99 | | 1.113 | 278 | 111 | |
| | | Total | 4 | 1,835 | | | - | | | | | | | |
| Pilar | Pilar WD | Urban | - | 860 | | | | | | | | | | |
| | | Rumi | 7 | 195 | SP | o Z | 1.168 | 236 | 117 | _ | 4.789 | 1.197 | 479 | - |
| | ٠. | Total | 3 | 1,055 | | | - | | | | | | | |

Table 8.6.1 Urban Water Supply Facilities Required by Target Year (Cont'd)

| | Kelerence | r on Exp. | Reference on Expansion of Existing Level III System | xisting Leve | III Syste | Ė | | Phase I (2005) | Phase I (2005) Requirements | | _ | hase II (2010 | Phase II (2010) Requirements | |
|---------------------------|----------------|-----------|---|--------------|----------------|-----------|-------------------------|----------------|-----------------------------|----------------------|--------------------------|---------------|------------------------------|---------------------|
| Variation of | | | Coverage | s in 1998 | Type of | | Additional | Number of | Daily Average Number of | Number of | Additional | Number of | Daily Average Number of | Number of |
| ۼ | Name of | Area | No. of | Comod | Water | Plan for | | House | Water | Spring | Population | House | Water | Spring |
| | Operating Body | | Barangay 1 | Population | Source | Expansion | to be Served Connection | Connections | Demand (m³/dav) | Dev't./ Deep Well | to be Served Connections | Connections | Demand (m³/dav) | Dev't/ Deep Well |
| Pontevedra | Pontevedra WD | Urban | 3 | 3.680 | | | | | | | | | | |
| | | Rural | 6 | 3,400 | ă O | 2. | 1,519 | 266 | 152 | | 1.886 | 472 | 681 | - |
| | | Total | 1.2 | 7.080 | | | | - | | | | | | |
| President Roxas Not | Not Applicable | Urban | Z.A. | Z.A. | | | | | | | | | | |
| | | Rural | Z. Ą. | Z.Y. | Ϋ́, | マス | 1,535 | 296 | 154 | - | 5.054 | 1,264 | 505 | - |
| | • | Total | | | | | | | | | | - | | |
| Roxas City (Capital) Metr | Metro Roxas WD | Urban | 81 | 33,945 | | | | | | | | | | |
| (<u>0</u>) | ان | Rural | 28 | 16,315 | 16.315 DW/Surf | ž X | | | | - | 63,798 | 15.950 | 6.380 | ٥ |
| | | Total | 46 | 50.260 | | | | | | | | | | |
| Sapi-an Not | Not Applicable | Urban | N.A. | N.A. | | | | | | | | | | |
| | | Rurai | N.A. | Ϋ́Z | X.A. | ζ Z | 933 | 186 | 93 | _ | 3,503 | 876 | 350 | |
| | | Total | | | | | | | | | | - | | |
| Sigma | Not Applicable | Urban | N.A. | N.A. | | | | | | | | | | |
| | •••• | Rural | N.A. | Y.Z | - K | Ċ Z | 523 | 40 | 52 | | 1.733 | 433 | 173 | - |
| | | Total | | | | | | | | | | | | |
| Tapaz | Not Applicable | Urban | N.A. | X.X. | | | • | | | | | | | |
| | | Rural | N.A. | X.Y. | Z. K. | | | | | _ | 2.201 | 550 | 220 | _ |
| | | Total | | | | | | | | | | | | |
| | | Urban | . 33 | 46,515 | | | | | | | | | | |
| Provincial Total | | Rural | 9/ | 29.180 | | | 15,151 | 2.906 | 1.515 | 4 | 117,307 | 29.328 | 11,732 | 25 |
| | | Total | 601 | 75.695 | | | | | | | | | | |

Table 8.6.2 Plan for Expansion of Existing Level III Systems

| | Name of Operating | Additional Areas | Additional | Additional W | Additional Water Sources |
|---------------------------|--------------------|--|----------------------------|--------------|--------------------------|
| Name of Municipality/City | | Barangay to be Covered | Population to be Served | Type | Capacity (m³/dav) |
| Dumalag | Dumalag WS | Sto. Angel & Sto. Niño | 450 | | |
| Dumarao | Dumarao WD | THE THE PARTY AND ADDRESS OF THE PARTY AND ADD | | | |
| Ivisan | Metro Roxas WD (a) | Cudian | 280 | | |
| Mambusao | Mambusao WD | | | | |
| Panay | Metro Roxas WD (b) | | | | |
| Panitan | Panitan WD | | | | |
| Pilar | Pilar WD | | | | |
| Pontevedra | Pontevedra WD | | | | |
| Roxas City (Capital) | Metro Roxas WD (c) | All urban areas. | 4.133 | | |

Table 8.6.3(a) Rural Water Supply Facilities Required by Target Year

| 0. of allow Tot Vells 104 489 76 76 76 118 111 2055 7 | | | | Phase | Phase I (2005) Requirements | equiremen | 3 | | | | Phas | e II (2010) | Phase II (2010) Requirements | nts | |
|--|----------------------|-----------|---------|-------|-----------------------------|------------|-----------|---------|-------|-------|----------|-------------|------------------------------|---------|-------|
| unicipality/City Number of Communal System Number of Communal System Number of Communal System Number of Communal System Number of Communal Shallow System Number of Communal Shallow Shallow System Number of Communal Shallow Shallow System Number of Communal Shallow Shall | Name of | Lev | el II | | | re. | el I | | | | | 7 | []- | | |
| System Faucers System Faucers System Sub-rotal Sub-lotal Sub-l | Municipality/City | Number of | _ | Z | umber of I | Seep Wells | | No. of | | | umber of | Seen Wells | | No. of | |
| 10 3 60 15 15 24 9 24 9 156 156 104 48 2 3 15 15 156 156 104 48 3 3 177 66 66 66 27 40 3 123 8 17 25 210 161 161 489 50 7 123 8 17 25 210 161 489 50 7 123 8 17 25 210 161 76 51 7 123 53 53 53 514 76 216 50 59 59 514 182 182 182 11 76 11 76 11 76 11 76 11 76 11 11 11 11 11 11 11 11 11 11 11 11 <t< th=""><th></th><th>System</th><th>Faucets</th><th>40 m</th><th>80 m</th><th>120 m</th><th>Sub-total</th><th>Shallow</th><th>Total</th><th>1</th><th>8</th><th>130</th><th></th><th>Shallow</th><th>Total</th></t<> | | System | Faucets | 40 m | 80 m | 120 m | Sub-total | Shallow | Total | 1 | 8 | 130 | | Shallow | Total |
| age 2 15 15 156 194 age 3 3 17 24 8 17 66 66 27 aco 3 140 8 7 140 66 66 27 aco 3 140 8 17 25 20 161 161 on 7 140 8 7 25 210 489 27 on 7 123 53 53 23 214 76 489 nus 66 66 66 66 66 27 174 76 on 7 123 53 53 23 23 114 76 act 1 20 51 51 51 51 40 158 corr 1 2 2 2 40 40 158 corr 1 2 2 2 | Cuartero | 3 | 09 | | 7 | | 31 | cus | · | | III 00 | 120 111 | Sub-total | Wells | |
| lage 3 82 82 ace 20 3 177 66 86 27 fan 3 140 8 17 25 210 161 162 167 161 161 161 161 161 162 167 161 161 161 161 161 161 161 </td <td>Dao</td> <td>, ,</td> <td>3</td> <td></td> <td>C)</td> <td></td> <td>CI ·</td> <td>٧</td> <td>74</td> <td></td> <td>156</td> <td></td> <td>156</td> <td>104</td> <td>260</td> | Dao | , , | 3 | | C) | | CI · | ٧ | 74 | | 156 | | 156 | 104 | 260 |
| Sample S | Dumalao | 1 ~ | | | | | | | | 82 | | | 82 | | 82 |
| tan 3 6 66 27 tan 7 1440 8 17 25 210 489 6 on 7 1440 8 17 25 210 489 6 on 7 123 53 53 53 53 235 114 114 76 1 stan 59 59 59 59 514 23 235 23 octra 51 51 23 235 11 182 114 76 1 octra 51 51 51 278 278 278 2 city (Capital) 1 20 51 17 22 40 24 158 1 city (Capital) 3 32 24 62 164 344 344 344 344 344 344 344 344 344 344 344 344 344 < | Dumarao | ç | | | | | | | | 177 | | | 177 | | 177 |
| lan 7 140 8 17 25 210 161 161 161 161 161 161 161 161 161 161 161 161 161 161 161 161 161 489 69 one 53 53 53 53 53 235 174 76 1 octa 59 59 51 23 51 235 7 2 octa 51 51 21 182 182 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 2 1 1 5 1 1 4 1 1 1 4 1 | lvisan | 2 ~ | | | | | | | | | 99 | | 99 | 27 | 93 |
| one 7 140 8 17 25 210 114 210 489 usao 53 53 53 53 53 235 114 76 nt 59 59 514 8 17 235 73 octra 51 51 51 278 182 182 182 octra 51 51 51 278 40 182 78 city (Capital) 1 20 51 7 22 40 168 178 City (Capital) 1 20 32 40 40 158 city (Capital) 1 20 32 24 34 114 n 36 32 26 51 36 40 18 octra 36 36 36 36 36 36 36 36 37 167 11 octra 1 <t< td=""><td>Ismindan</td><td></td><td>0,7</td><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td>161</td><td></td><td>191</td><td></td><td>161</td></t<> | Ismindan | | 0,7 | 10 | | | | | | | 161 | | 191 | | 161 |
| usage 53 53 53 53 114 114 76 usage 53 53 53 235 11 135 76 correspondence 50 51 51 51 514 76 76 correspondence 51 51 51 51 51 51 51 correspondence 51 51 51 278 67 40 158 City (Capital) 1 20 52 40 40 158 City (Capital) 1 20 32 40 40 158 City (Capital) 1 20 32 40 40 158 City (Capital) 1 20 32 26 40 40 158 City (Capital) 3 3 3 3 3 4 40 158 And and an analysis 3 3 3 3 3 4 4 <th< td=""><td>Marayon</td><td>-</td><td>2-1</td><td></td><td></td><td></td><td>œ</td><td>1.1</td><td>25</td><td>210</td><td></td><td></td><td>210</td><td>489</td><td>669</td></th<> | Marayon | - | 2-1 | | | | œ | 1.1 | 25 | 210 | | | 210 | 489 | 669 |
| Octra 53 53 535 235 235 235 235 235 235 235 235 235 235 234 234 234 234 234 234 234 235 <td>Mambusao</td> <td></td> <td>571</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>114</td> <td></td> <td>114</td> <td>2/2</td> <td>18</td> | Mambusao | | 571 | | | | | - | | | 114 | | 114 | 2/2 | 18 |
| odra 51 514 514 514 514 514 514 514 514 514 514 514 514 514 514 514 517 517 517 517 517 517 517 517 517 517 517 517 517 517 517 518 <td>Panav</td> <td></td> <td></td> <td>50</td> <td></td> <td></td> <td>53</td> <td>1</td> <td>53</td> <td>235</td> <td></td> <td></td> <td>235</td> <td></td> <td>235</td> | Panav | | | 50 | | | 53 | 1 | 53 | 235 | | | 235 | | 235 |
| edra 51 51 51 11 182 182 182 90 nt Roxas 1 20 51 278 278 278 278 278 40 118 90 City (Capital) 1 20 32 40 344 40 158 City (Capital) 1 20 32 24 344 344 114 114 ovincial Total 47 363 246 15 261 114 114 114 ovincial Total 47 363 156 157 1137 3112 1554 4 | Poniton | | | ý | 1 | | 59 | | 59 | 514 | | | 514 | | \$14 |
| odra 51 51 278 11 90 nt Roxas 1 20 5 17 22 40 40 158 City (Capital) 1 20 32 344 344 344 158 City (Capital) 1 20 32 26 104 158 Ovincial Total 47 363 246 15 261 167 111 ovincial Total 47 363 15 167 117 165 111 | | | | | | | | | - | | 182 | | 182 | | 182 |
| nt Roxas 1 20 31 278 278 278 278 278 278 278 278 278 278 278 40 158 40 158 40 158 40 158 40 158 40 158 40 158 40 158 40 158 161 114 | Pontevedra | | | | | | | | | = | | | Ξ | 8 | 101 |
| City (Capital) 7 20 3 17 22 40 40 158 And Capital) 1 20 32 32 261 114 114 114 114 Ovincial Total 47 363 246 15 261 67 328 1,975 1,137 3112 1,055 7 | President Roxas | | 100 | | | | 17 | - | S | 278 | | | 278 | | 278 |
| 1 20 32 32 36 26 16 174 114 114 ovincial Total 47 363 246 15 261 167 111 | Roxas Ciry (Capital) | | | 1 | | | 7 | 12 | 22 | 64 | | | 40 | 158 | 198 |
| 1 20 32 32 32 261 114 114 114 114 114 114 114 114 114 125 126 126 126 127 126 111 127 111 127 113 126 11 126 11 126 11 126 11 126 11 126 11 126 12 12 126 12 | Sapi-an | | | | | | + | | | | × 44 | | 344 | | 345 |
| ovincial Total 47 363 246 15 67 328 1,975 1,137 3,112 1,054 | Sigma | | 30 | 22) | | | ۶ | | | | 114 | | 114 | | 114 |
| rovincial Total 47 363 246 15 15 261 67 328 1,975 1,137 3 112 1,684 | Tapaz | | 2 | 30 | + | 1 | 75 | | 32 | 261 | | | 261 | | 261 |
| 47 365 15 15 261 67 328 1,975 1,137 3,112 1,654 | Provincial Total | 6, | | 000 | | | 38/ | 24 | 62 | 167 | | | 167 | Ε | 278 |
| | TOTAL TOTAL | /- | 303 | 740 | 15 | | 261 | 29 | 328 | 1,975 | 1.137 | | 3112 | 1056 | 77.1 |

Table 8.6.3(b) Rural Water Supply Facilities Required by Target Year

| | | | | Phase I (2005) Requirements | s) Requirem | ents | | | | | Phas | Phase II (2010) Requirements | Requireme | suts | | |
|------------------------------|------|-------|----------------------|--|--------------------------|--|-----------------|-------|-------|----------------------|--------------------------|--|----------------------------|---------------------------|----------------|-------|
| | | | Percena | Percenatge Allocated | to Public Facility (30%) | acility (30% | (9) | | | Pe | rcenatge / | Percenatge Allocated to Public Facility (80%) | Public Fac | cility (80% | ~ | |
| Name of Municipality/City | | Perce | ercentag ntage Al | Percentage Allocated for Percentage Allocated for Pul | | Public Wells (100%) and lic Spring Development (| and :nt (0%) | | | Percenta Percenta | entage All ge Allocat | Percentage Allocated for Public Wells (100%) and Percentage Allocated for Public Spring Development (0%) | Public Well ic Spring D | ls (100%) 2 Sevelopmen | and nt (0%) | |
| | 4 | umber | Number of Deep Wells | Wells | No. of | 1000 | No. of | Grand | Z | Number of Deep Wells | Deep Well | | No. of | | No. 01 | Grand |
| | 40 m | 80 m | 120 m | m Sub-tota | _ | 100 | Spring Dev. | Total | 40 m | 80 m | 120 m | Sub-total | Wells | 000 | Spring Dev. | Total |
| Cuartero | | | 5 | | 5 2 | 7 | | 7. | | 125 | | 125 | 83 | 208 | | 208 |
| Dao | | | | | | | | | 95 | | | 98 | | \$ | | 3 |
| Dumalag | | | | | | | | | 142 | | | 142 | | 142 | | 142 |
| Dumarao | | | 1 | | | | - | | | 52 | | 52 | 22 | 74 | | 74 |
| Ivisan | | | _ | | | , | | | | 129 | | 129 | | 129 | | 129 |
| Jamindan | 3. | 1. | | | 3 5 | 8 | | 8 | 168 | | | 168 | 391 | 655 | | 559 |
| Ma-ayon | | | | | | | | | | 76 | | 92 | 09 | 152 | | 152 |
| Mambusao | 16 | | | - | 5 | 91 | · | 16 | 188 | | | 188 | | 188 | | 188 |
| Panay | 18 | | | 1 | 8 | 18 | | 81 | 411 | | | 411 | ĺ | 411 | | 411 |
| Panitan | | | | | | | | | | 146 | | 146 | | 146 | | 146 |
| Pilar | | | | | | | | | 6 | | | 6 | 72 | 81 | | 81 |
| Pontevedra | 15 | | | 1 | 5 | 15 | | 15 | 222 | | | 222 | - | 222 | | 222 |
| President Roxas | 2 | | | : | 2 5 | 7 | | 7 | 32 | | | 32 | 126 | 158 | | 158 |
| Roxas City (Capital) | | | | | | | | | | 275 | | 275 | | 275 | | 275 |
| Sapi-an | | | _ | | | | | | | 16 | | 16 | | 16 | | 011 |
| Sigma | 10 | | | 1 | 0 | 10 | | 10 | 209 | | | 209 | | 209 | | 200 |
| Tapaz | 12 | | Ì | | 2 7 | 61 | | 19 | 134 | | | 134 | 88 | 222 | | 222 |
| Provincial Total | 92 | | 5] | . 81 | 61]1 | 001 | | | 1.581 | 910 | | 2,491 | 842 | 3.333 | | 3,333 |
| | | | | | | | | | | | | | | | | |

Medium size percussion drilling rig (truck-mounted type for deep well):

Average performance

1 well/30 days (5 m/day of drilling rate with finishing work)

Annual accomplishment

9 wells/year (365 days/year ÷ 30 days/well x 0.75)

Required number

2 sets for the total 81 deep wells

Well rehabilitation equipment:

Average performance

- 1 well/7 days (well redevelopment and finishing work

Annual accomplishment

- 39 wells/year (365 days/year \div 7 days/well x 0.75)

Required number

1 set for 10% of 81 Level I deep wells

Support vehicle:

Type - pick-up truck with winch, double cab

Required number

1 unit for well rehabilitation

Considering the utilization of existing rotary drilling rigs, it is necessary for the province to procure/mobilize at least 1 unit of medium size percussion rig for the medium-term development plan. Likewise the following equipment shall be considered for medium-term development plan to meet the physical targets:

- 1 set of well rehabilitation equipment for 10% of deep wells (at least 1 set shall be held by the provincial government); and
- 1 unit of support vehicle for well rehabilitation.

In addition to the above, for long-term plan, each one unit of medium size percussion rig and service truck equipped with crane for hauling drilling tools/water is required.

Table 8.6.4 Urban Household Toilets Required by Target Year

| | | | Ph | Phase 1 (2005) | (2005) Requirements | cnts | | | | | Phas | Phase II (2010) Requirements | Requiren | ents | | |
|---|-------|------------|----------------------------|----------------|---------------------|---------------------|-------------------------|-------|--------|-----------------------------|--------------|------------------------------|----------|---------------------|-------------------------|--------|
| A COLUMN | γqς | litional H | Additional HHs to be Serve | pana | | to of HHs | No. of HHs to be Served | - | PPΥ | Additional HHs to be Served | s to be Seri | Ę, | - | 10. of HHs 1 | No. of HHs to be Served | 1 |
| Minuscipanty/City | Flush | Pour Flus | Flush Pour Flust VIP/ Dry | y Total | Flush | Pour Flush VIP/ Dry | VIP/ Dry | Total | Flush | Pour Flush VIP/ Dry | VIP/ Dry | Total | Flush | Pour Flush VIP/ Dry | VIP/ Dry | Total |
| Cuartero | | 34 | 130 | 164 | | 34 | 130 | 164 | 489 | | | 489 | 489 | | | 489 |
| Dao ' | 21 | | | 21 | 21 | | | 21 | 781 | 19 | | 842 | 781 | 19 | | 842 |
| Dumalag | | 4 | 1 208 | 8 249 | | 41 | 208 | 249 | 45 | | | 464 | 464 | | | 464 |
| Dumarao | 9 | | | 99 | . 65 | | | 65 | 749 | | | 749 | 749 | | | 749 |
| Ivisan | 78 | | | 78 | 78 | | | 2/2 | 522 | - | | 522 | 522 | | | 522 |
| Jamindan | 95 | 05 | l c | 145 | 95 | 50 | | 145 | 376 | <u></u> | | 376 | 376 | | } | 376 |
| Ma-ayon | 26 | | | 26 | 26 | | | 52 | 476 | | | 476 | 476 | | | 476 |
| Mambusao | 143 | | | 143 | 143 | | | 143 | 735 | | | 735 | 735 | | | 735 |
| Panay | 37 | | 100 | 37 | 37 | | | 37 | 303 | | | 303 | 303 | | | 303 |
| Panitan | 53 | 45 | 2 | 86 | 53 | 45 | | 86 | 260 | | | 260 | 260 | | | 260 |
| Pilar | 81 | | | 831 | - 81 | | | 81 | 684 | | | 684 | 684 | | | 684 |
| Pontevedra | | 166 | 5 | 1991 | | 166 | | 166 | 488 | 120 | | 809 | 488 | 120 | - | 809 |
| President Roxas | 881 | 8 | 0 | 278 | 881 | 8 | | 278 | 619 | | | 619 | 619 | | | 619 |
| Roxas City (Capital) | | 1.77 | 344 | 2,065 | | 1,721 | 44K | 2,065 | 7.813 | 2,762 | | 10.575 | 7,813 | 2,762 | | 10.575 |
| Sapi-an | 45 | | | 45 | 45 | | | 45 | 425 | | | 425 | 425 | | | 425 |
| Sigma | 56 | | | 95 | 58 | | | 8 | 210 | | | 210 | 210 | | | 210 |
| Tapaz | | | 1 | 111 | | 11 | | = | 697 | | | 269 | 269 | | | 269 |
| Provincial Total | 888 | 2,158 | 8 682 | 3.728 | 888 | 2.158 | 682 | 3.728 | 15,663 | 2,943 | | 18,606 | 15,663 | 2.943 | - | 18,606 |

Table 8.6.5 Rural Household Toilets Required by Target Year

| | | | Phas | Phase I (2005) Requirements | Requirem | ents | | | | | Phase II | II (2010) I | (2010) Requirements | nts | |
|----------------------|-------|---------------------------|-----------------------------|-----------------------------|----------|---------------------|-------------------------|--------|-------|-----------------------------|----------|-------------|---------------------|-------------------------|--------|
| Name of | Add | itional HH | Additional HHs to be Served | pa/ | | o. of HHs t | No. of HHs to be Served | | Add | Additional HHs to be Served | be Serve | P | No | No. of HHs to be Served | 20 |
| Municipality/City | Flush | Flush Pour Flush VIP/ Dry | VIP/ Dry | Total | Flush | Pour Flush VIP/ Dry | VIP/ Dry | Total | Flush | Flush Pour Flush VIP/ Dry | | Total | Flush P | Pour Flush VIP/ Dry | Total |
| Cuartero | 229 | 2,496 | 1.580 | 4,305 | 229 | 2,496 | 1,580 | 4,305 | | 3,851 | | 3.851 | | 3,851 | 3,851 |
| Dao | | | | | | | | | | 1,404 | | 1,404 | | 1,404 | 1,404 |
| Dumalae | | 263 | 119 | 382 | | 263 | 119 | 382 | 808 | 2,524 | | 3,332 | 808 | 2,524 | 3,332 |
| Dumarao | 274 | 388 | | 799 | 274 | 388 | | 662 | 54 | 2,828 | | 2,882 | 54 | 2.828 | 2.882 |
| Ivisan | 165 | 589 | | 754 | 165 | 589 | | 754 | 361 | 1,609 | | 1,970 | 361 | 1,609 | 1,970 |
| Jamindan | 372 | 726 | | 1,299 | 372 | 726 | | 1,299 | | 4.820 | - | 4.820 | | 4,820 | 4,820 |
| Ma-avon | 212 | 8 | 357 | 9 | 212 | 8 | 357 | 650 | | 2,433 | | 2,433 | | 2,433 | 2,433 |
| Mambusao | 115 | | | 115 | 115 | | | 115 | | 2,990 | | 2.990 | | 2,990 | 2,990 |
| Panav | 307 | 134 | 1 | 4 | 307 | 134 | | 4 | 738 | 3.573 | | 4,311 | 738 | 3,573 | 4,311 |
| Panitan | 246 | 1.207 | 1,720 | 3,173 | 246 | 1,207 | 1,720 | 3,173 | 547 | 2,470 | | 3.017 | 547 | 2,470 | 3,017 |
| Pilar | | | | | | | | | 195 | 2,128 | | 2,323 | 195 | 2,128 | 2,323 |
| Pontevedra | | | | | | | | | 496 | 2,818 | | 3,314 | 496 | 2,818 | 3,314 |
| President Roxas | 12 | | | 12 | 12 | | | 12 | | 1,816 | | 1,816 | | 1,816 | 1,816 |
| Roxas City (Capital) | | 791 | | 791 | | 791 | | 162 | | 6,094 | | 6,094 | | 6,094 | 6.094 |
| Sapi-an | 154 | 22 | | 176 | 154 | 22 | | 176 | | 1,796 | | 1,796 | | 1,796 | 1.796 |
| Sigma | 200 | 342 | | 542 | 200 | 342 | | 542 | | 2,479 | | 2,479 | | 2,479 | 2,479 |
| Tapaz | | 2.011 | 1,042 | 3.053 | | 2,011 | 1.042 | 3.053 | | 3,128 | | 3,128 | | 3,128] | 3,128 |
| Provincial Total | 2,286 | 9,251 | 4.818 | 16,355 | 2,286 | 9,251 | 4,818 | 16,355 | 3,199 | 192'85 | | 51.960 | 3,199 | 48,761 | 51,960 |
| | | | | | | | | | | | | | | | |

(

Table 8.6.6 Public School Toilets Required by Target Year

| | Phase I (2005) Requirements | Requireme | ents | Phase II (2010) Requirements | Requirem | ents |
|---------------------------|-----------------------------|-----------|------------|------------------------------|----------|------------|
| Name of Municipality/City | Additional Public | No. of | No. of | Additional Public | No. of | No. of |
| | School Students to | Toilet | Toilet | School Students to | Toilet | Toilet |
| | be Served | Unit | Facilities | be Served | Unit | Facilities |
| Cuartero | 1,729 | 4 | 6 | 6,930 | 174 | 35 |
| Dao | 1,365 | 35 | 7 | 4,668 | 117 | 24 |
| Dumalag | 1,323 | 34 | 7 | 4,009 | 101 | 21 |
| Dumarao | 2,092 | 53 | 11 | 4,768 | 120 | 24 |
| Ivisan | 1,417 | 36 | 8 | 4,344 | 109 | 22 |
| Jamindan | 2,547 | 2 | . 13 | 8,328 | 209 | 42 |
| Ma-ayon | 1,889 | 48 | 01 | 3,457 | 87 | 18 |
| Mambusao | 1.787 | 45 | 6 | 5,470 | 137 | 28 |
| Panay | 2,041 | 52 | ľ. | 7,246 | 182 | 37 |
| Panitan | 1,815 | 46 | 10 | 5.208 | 131 | 27 |
| Pilar | 2,144 | 54 | 11 | 6,401 | 191 | 33 |
| Pontevedra | 2,209 | 99 | 12 | 7.284 | 183 | 37 |
| President Roxas | 1,404 | 36 | 8 | 3,562 | 8 | 18 |
| Roxas City (Capital) | 7,184 | 180 | 36 | 25,365 | 635 | 127 |
| Sapi-an | 1,326 | 34 | 7 | 3,307 | 83 | 171 |
| Sigma | 1,103 | 28 | 9 | 3,413 | 98 | 18 |
| Tapaz | 2,156 | 54 | 11 | 905'9 | 163 | 33 |
| Provincial Total | 35.531 | 668 | 186 | 110,266 | 2,768 | 561 |

Table 8.6.7 Public Toilets Required by Target Year

| | | Phase I (2005) | Phase I (2005) Requirements | | | Phase II (2010) | Phase II (2010) Requirements | |
|---------------------------|--------|----------------|-----------------------------|-------|--------|-----------------|------------------------------|------------|
| | | Number of I | mber of Public Toilets | | | Number of P | Number of Public Toilets | |
| Name of Municipality/City | Public | Bus/Jeepney | Parks/ | Tetel | Public | Bus/Jeepney | Parks/ | Total |
| | Market | Terminal | Playground | JOIM | Market | Terminal | Plavground | 1000 |
| Cuartero | | | 1 | 2 | | 1 | | |
| Dao | 7 | | r-4 | 2 | | | | 1 |
| Dumalag | | | Ţ | 2 | | 1 | | 1 |
| Dumarao | 1 | | 3 | 4 | | 1 | | |
| Ivisan | | | 1 | 2 | | 1 | | 1 |
| Jamindan | 1 | | | 2 | | | | F 4 |
| Ma-ayon | 1 | | 1 | 2 | | _ | | |
| Mambusao | 2 | | m | 5 | | | | |
| Panay | _ | | . [| 2 | | şt | | 1 |
| Panitan | 1 | | 1 | 2 | | 1 | | 1 |
| Pilar | 1 | | Ţ | 2 | | 1 | | 1 |
| Pontevedra | 1 | | I | 2 | | 1 | | |
| President Roxas | 1 | | F4 | 2 | | - | | |
| Roxas City (Capital) | 2 | 1 | 2 | 5 | _ | 2 | | 8 |
| Sapi-an | | | - | 2 | | | | |
| Sigma | 7 | | 1 | 2 | | | | |
| Tapaz | - | |] | 2 | | | | 7 |
| Provincial Total | 19 | 1 | 22 | 42 | 1 | 18 | | 19 |
| | | | | | | | | |