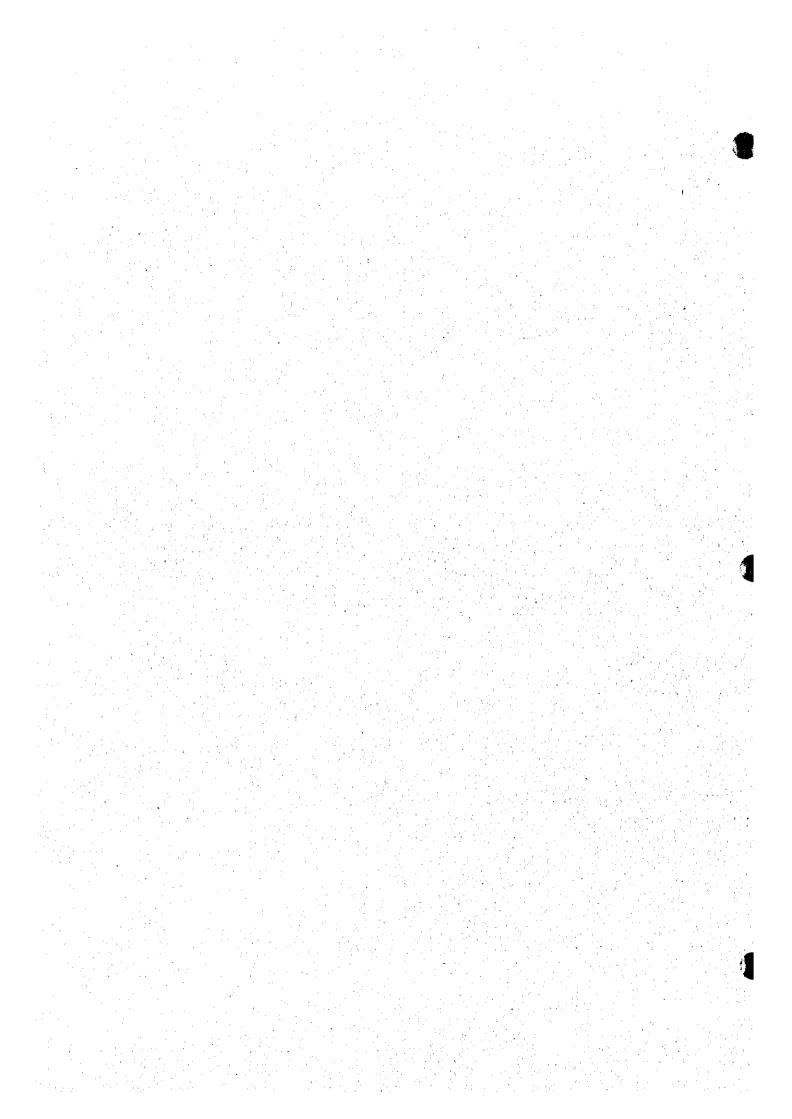


# FUTURE REQUIREMENTS AND DEVELOPMENT PLAN

at Lon



## FUTURE REQUIREMENTS IN WATER SUPPLY AND SANITATION IMPROVEMENT 8.

#### Targets of Provincial Sector Plan 8.2

| Name of                   |                         | -                       | Populat        | lon Served    | by 1997 F        | acitilles       | Populatio |            | y Plaaned<br>lects | Os-gotag  | Pop      | utasion Sc     | rsed in the    | Base Vear                    | (1997)  |
|---------------------------|-------------------------|-------------------------|----------------|---------------|------------------|-----------------|-----------|------------|--------------------|-----------|----------|----------------|----------------|------------------------------|---|
| Municipatity              | Arta                    | Population<br>(1997)    | Locu           | Level II      | Lod(             | Total           | Level 10  | Level H    | Leidt              | Total     | Locint   | Level II       | Lodi           | Tetat                        | Percenta<br>Coverag   |
|                           | Jiban                   | 5,264                   | 1,040          | 1,500         | 2,258            | 4,798           |           |            |                    |           | 1,040    | 1,500          | 2,258          | 4,798                        | 91  |
| degria 🖡                  | Rural                   | 6,893                   |                | 1,233         | 4,453            | 5,686           |           |            |                    |           |          | 1,233          | 4,45)          | 5,686                        | . 82  |
|                           | Fota?<br>Jirban         | <u>12,157</u><br>\$,395 | 1,040<br>2,875 | 2,733         | 6,711            | 10,494          |           |            | - · · · -          | ·         | 1,640    | 2,733          | 6,711          | 10,494                       | <u> </u>  |
|                           | ارتينا                  | 4,440                   |                | 1,140         | 1,377            | 2.517           |           |            |                    |           |          | 1,140          | 1,377          | 2 517                        | 57  |
|                           | Total                   | 12,835                  | 2,875          | 1,140         | 1,177            | \$,392          |           |            |                    |           | 2.875    | 1,140          | 1,377          | 5,392                        | 42  |
|                           | Drban<br>Raral          | 3,209                   |                |               | 1,699<br>20,719  | 1,699           |           |            |                    | l         | <b>!</b> |                | 1,699          | 20,759                       | <u> 53</u><br>92  |
|                           | rotat                   | 25,805                  |                |               | 22,418           | 22,418          |           |            |                    |           |          |                | 22,413         | 22 418                       | 87  |
| L.                        | Jibaa                   | 2,213                   | 321            | 1,189         |                  | 1,509           |           |            |                    |           | 321      | 1,188          |                | 1 509                        |   |
|                           | Rura)                   | 667                     |                | 270           | 266              | 536             |           |            |                    |           |          | 270            | 266            | \$36                         | 80  |
|                           | Fotal<br>Urban          | 2,880                   | 321            | 1,458         | 265              | 2,045           |           |            | }                  |           | 221      | 1,458          | 26-5           | 2,045                        | 71  |
|                           | Rural                   | 6,186                   | 544            | 1,945         |                  | 2,489           |           |            |                    |           | 544      | 1,945          |                | 2,499                        | 40  |
|                           | Total                   | 11,358                  | 544            | 1,945         |                  | 2,489           |           |            |                    |           | 514      | 1,945          |                | 2,499                        | 22  |
|                           | Lizban<br>Rural         | 7,668                   |                | 401           | 5,161<br>5 4,716 | 5,161           | ·         |            | <u> </u>           | -         |          | 431            | 5,161          | 5,161                        | 67  |
|                           | Toul                    | 14,786                  |                | 431           | 5 9,877          | 10,308          |           |            | <u>├</u> ───       |           |          | 431            | 9,877          | 10.308                       |   |
|                           | Urban                   | 11,760                  | 1 369          |               | 6,562            | 1,351           |           |            | <u> </u>           |           | 1,389    |                | 6,952          | 1,351                        | 71  |
|                           | Rutat                   | 4,818                   |                | 2,415         |                  | 2 415           | ·         |            | [                  |           |          | 2,415          |                | 2 4)5                        |   |
|                           | Tetal<br>Urban          | \$6,578<br>3,437        | 1 389          | 2,415         | 6,962            | 10,766          |           |            |                    | t         | 1,389    | 2,413          | 6,962          | 10 760                       | <u>65</u><br>97   |
|                           | Rural                   | 9,273                   | 300            | 1,955         | 3,452            | 5,707           | · · · ·   | 1          |                    | (         | 300      | 1,955          | 3,452          | 5,707                        | 62  |
|                           | Total                   | 12,710                  | 365            | 5,210         | 3,461            | 9,036           |           | <b></b>    |                    | I         | 365      | 5,210          | 3,461          | 9,036                        | 71  |
|                           | Urban                   | 2,550                   |                | 2,515         | 15               | 2 550           | ļ         |            |                    |           |          | 2,513          | >5             | 2,550                        | 100   |
|                           | <u>Rurat i</u><br>Total | 6,175<br>1,725          |                | 1,351         | 4,575            | 5.926<br>0.476  | 1         | ł          | +                  | <b> </b>  | <b>}</b> | 1,351<br>3,866 | 4,575          |                              | 96  |
|                           | Urban                   | 4,632                   |                | 3,800         | 2,981            | 2,981           |           | t          | 1                  | + • • •   | †·       | 2,000          | 2,981          |                              |   |
|                           | Rural                   | 8,404                   |                |               | 6,519            | 6 515           | 2         |            | 1                  |           | 1        | <u> </u>       | 6,519          | 6,519                        | 78  |
|                           | Total                   | 13,036                  | 1              |               | 9,500            | 9,500           |           | 1          |                    |           | -        | 1              | 9,500          | 9,500                        | 73  |
|                           | Urban<br>Rural          | 6,594                   | 2,445          | <b> </b>      | 1,153            | 3,638           |           | <u> </u>   |                    |           | 2,445    | J              | 1,193          | 3,63                         |   |
|                           | Total                   | 9,317                   |                | <b>}</b> −−−− | 3,744            | 6 844<br>30 492 | il        | ŀ          |                    | <u> </u>  | 5,545    | 1              | 4,937          | 6,844                        |   |
|                           | Urban                   | 3,094                   |                | 835           |                  | 835             |           |            | 1                  | t .       |          | 835            |                | 835                          | 27  |
| Libja (Albor)             | Rurał                   | 12,358                  |                | 3,427         | 4,438            | 7,861           | 1.1       |            | 1                  |           |          | 1,427          | 4,438          | 7,865                        | 61  |
|                           | Total                   | 15,452                  | 499            | 4,262         | 4,439            | 8 700           |           |            | <b> </b>           | 1         | 499      | 4,262          | 4,438          |                              |   |
|                           | Urban<br>Rural          | 5,662<br>2,789          |                | 3,773         | 760              | 3,05/           |           |            |                    |           | 479      | 2,773          | 101            | 2,71                         |   |
|                           | Total                   | 8,451                   |                | 6 545         | 780              | 7 82            |           |            | <u> </u>           |           | 495      |                | 780            | 7.625                        |   |
|                           | Urbaa                   | 10,125                  |                | 3,373         |                  | 6,34            |           |            |                    |           | 1,69     |                |                |                              |   |
| Maini                     | Rusat                   | 12,198                  |                | 1,179         |                  | 934             |           | ļ          | +                  | <b>i</b>  | 5,297    | 1,175          |                | 9,345                        |   |
|                           | Total<br>Urbau          | 22,323                  |                | 4,552         | 6,14)            | 17,694          |           | <u> </u>   | ł                  | +         | 6,99     | 4,552          |                | 17,694                       |   |
|                           | Rurai                   | 7,385                   |                | 5,550         | 1,103            |                 |           |            | +                  |           | <u> </u> | 5,550          |                | 6,65                         |   |
|                           | Total                   | 14,162                  |                | 5,670         |                  | 7,50            | 6         |            |                    |           | 73       | 5,670          | 1,103          | 7,500                        |   |
|                           | Urban                   | 2,289                   |                | 1,836         |                  | 1,83            | §]        | <u> </u>   | 1                  |           | 4        | 1,686          |                | 1.88                         |   |
|                           | Rural<br>Total          | 6 279<br>8,563          |                | 2,530         |                  |                 | 8<br>     |            | <u> </u>           |           |          | 2,530          |                |                              |   |
|                           | Urban                   | 12,774                  |                | 660           | 11,429           |                 |           |            | f                  | +         | +        | 660            |                |                              |   |
|                           | Rural                   | 8,906                   | 5 735          | 1,286         | 5,098            | 7.0             | 9         |            |                    |           | 71       |                |                |                              |   |
|                           | Toul                    | 21,680                  |                |               |                  |                 |           | <u> </u>   | <b>_</b>           |           | 1 11     |                |                |                              |   |
|                           | Urban<br>Rurat          | 2,17                    |                | 800           | 570              | 57              | 1         |            |                    | ł         | +21      | 800            | 571            | <b>1,22</b> 0<br><b>5</b> 76 |   |
|                           | Tetal                   | 4,634                   |                | 800           |                  |                 |           |            | 1                  |           | 424      | 80             |                |                              |   |
| San Francisco (Anao-      | Urban                   | 4,036                   | 5 1,60         | 200           | 1,685            | 3,49            |           |            |                    | 1         | 1,60     | 200            | 1,68           | 3 3,49                       | \$6   |
| 400}                      | Kural                   | 6,303                   |                |               |                  |                 |           |            |                    |           | 3,13     |                |                |                              |   |
|                           | Total<br>Urban          | 10,339                  |                | 1,56          |                  | 9.24            |           | ł          | ·                  | +         | 4.74     | 1 1 20         |                | 3 9,24<br>1,72               |   |
| Sao Isidro                | Runal                   | 4,225                   |                |               | 2,98             | 2,98            | 8         | t ·        | 1                  | 1         | 1        | 1              | 2,981          |                              |   |
|                           | Total                   | 6,029                   |                | 1,72          | 2,981            | 4,70            | 8         | 1          | 1                  | ·         |          | 1,720          | 2,98           | 4,70                         | 8 78  |
| San lote                  | Urban                   | 26,011                  |                |               |                  | 4.74            | 1         | 1.         |                    |           | 38       |                |                |                              |   |
| šan Jose                  | Rurai                   | 27,585                  |                | 150           |                  |                 |           | +          | <b>∤</b>           | -{        | 35       | 5 98           |                |                              |   |
|                           | Urban                   | 1,815                   |                |               |                  | 1 81            |           | 1          | <u> </u>           | 1         | 1,45     | 9 35           | 6              | 1,81                         |   |
| Santa Monica (Sapao)      | Rural                   | 5,58                    | I 94           | 231           | 3,19             | 5 3 51          | 6         | I          |                    |           | 9        |                |                |                              |   |
|                           | Total                   | 7,39                    |                |               |                  |                 |           | I          | <b>-</b>           | - <b></b> | 1,54     |                |                |                              |   |
| Sison                     | Urban<br>Reral          |                         |                |               | 1,22             |                 |           | <b> </b>   | +                  | 1         | 3,51     |                | 9 3            |                              |   |
|                           | Total                   | 9,16                    | 6 3,60         |               |                  |                 |           | <u> </u>   |                    | 1         | 1,60     |                | 9 1,26         | 0 7,34                       | 9 80  |
|                           | ardı U                  | 7,77                    | 5              | 1             | 6,54             | 6,84            | \$        |            | 1                  |           |          | 1              | 6,14           | 5 6,84                       | 5 88  |
| Sociatio                  | Raral                   | 8,06                    |                | Į             | 5,32             | 5 5 32          | <u>\$</u> |            | <del> </del>       | +         | <b></b>  | <u> </u>       | 5,32           |                              |   |
|                           | Total<br>Urban          | 15,84                   |                | , ···         | 12,170           |                 |           | +          | 1                  |           | 45,15    | ol             | 12,17          |                              |   |
| Surigao €ity<br>(Casitol) | Renal                   | 32,57                   | 0 50           | 2             | 27,16            | 27,66           | 5         | 1          | 1                  | 1         | 50       | 0              | 27,16          | 5 27,66                      | 5 74  |
| (Capital)                 | totat                   | 108,27                  | 5 45,68        |               | 49,63            | 95 31           | 4         | 1          |                    | 1         | 45,68    | 0              | 49,63          | 4 95,31                      | 4 69  |
| T                         | Urban                   |                         |                |               | 4,89             |                 |           | - <u>+</u> |                    |           |          | ·              | 4,89           |                              |   |
| Fagana-Ao                 | Rural<br>Total          | 6,86                    |                | <u> </u>      | 5,71             |                 |           |            | +                  | -{        | +        |                | 5,71           |                              |   |
| ·                         | Urban                   |                         |                | 70            |                  | 70              |           | 1          | 1                  | 1         | 1        | 70             | 8              | 70                           |   |
| Tubajan                   | Rural                   | 4,48                    | 5              | 88            | 5 2,79           | \$ 1,68         | 1         |            |                    |           |          | 88             | 5 2,79         | 8 3,68                       | 3 82  |
|                           | Total                   | 6,39                    | 5              | 1.59          |                  | \$ 4,39         |           |            |                    |           |          | 1.59           | 3 2,79         |                              |   |
| Tubod                     | Urban                   | 1,52                    |                |               | <del>,</del>     | 1,52            |           | <b></b>    | +                  |           | 1,52     |                | <del>,  </del> | 1,52                         |   |
| 1 44574                   | Raral                   | 8,56                    |                |               |                  | 8,86<br>10,39   |           | 1          | +                  | +         | 7.3      | 1 1.08         |                | 10,39                        |   |
|                           | i Terri                 |                         |                |               |                  |                 |           | -          |                    |           |          |                |                |                              | in the second |
|                           | i Total<br>Urban        |                         |                |               |                  | 6 161,07        | 3         |            | 1                  |           | 61,72    | 6 23,69        | 1 76,45        | 6 161,17                     | 3 74  |

#### Table 8.2.1 Estimation of Base Year Service Coverage of Water Supply

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| Name of Maolcipality  | Area             | Popul                 | ation Served | by 1997 Fac                           | lities         | 19   | 97              | 20                  | 69   |
|---|------------------|-----------------------|--------------|---------------------------------------|----------------|--|-----------------|---------------------|--|
| travit of the loss the state  |                  | Level III             | ledit        | ladi                                  | Total          | Total<br>Population  | Coverage<br>(%) | Total<br>Pepulation | Coverage   |
| - 9892, 10-102, 19-1000, 19-1000, 19-100, 19-100, 19-100, 19-100, 19-100, 19-100, 19-100, 19-100, 19-100, 19-10 | Urban            | 1,040                 | 1,500        | 2,258                                 | 4,798          | 5,264  | 91              | 5,815               | <u> </u>   |
| legria  | Rural            |                       | 1,233        | 4,453                                 | \$,686         | 6,893  | 83              | 7,616               | 75   |
|   | Total            | 1,640                 | 2,733        | 6,711                                 | 10,484         | 12,157   | \$5             | 13,432              | 78   |
|   | Urban            | 2,875                 |              |                                       | 2,875          | 8,395  | 34              | 9,506               | 30   |
| ocu og  | Rural<br>Total   | 2,875                 | 1,140        | <u>, 1,377</u>                        | 2,517          | 4,440  | 57              | 5,028               | 50   |
|   | Urban            |                       | <u> </u>     | 1,317                                 | 5,392          | 12,835   | 42              | (4,534              | 37   |
| asilisa (Rizal)   | Rural            | <b></b>               |              | 20,719                                | 1,699          | 3,209  | 53              | 3,891               | 44   |
|   | Total            | }                     |              | 22,418                                | 22,418         | 22,596   | 92<br>87        | 27,402              | 76   |
|   | Urban            | 321                   | 1,188        |                                       | 1,509          | 2,213  | 68              | 31,293              | 72   |
| argos   | Rural            | 1                     | 270          | 266                                   | 536            | 667  | 80              | 739                 | <u>62</u><br>73  |
|   | Total            | 321                   | 1,458        | 266                                   | 2,045          | 2,830  | 71              | 3,189               | 64   |
|   | Liban            |                       |              |                                       |                | \$ 172   |                 | 5,458               |  |
| azdianac  | Rural            | 544                   | 1,945        |                                       | 2,439          | 6,186  | 40              | 6,528               | 38   |
|   | Total            | 544                   | 1,945        |                                       | 2,439          | 11,358   | 22              | 11,986              | 21   |
| •   | Uibar            |                       | · ·          | 5,161                                 | 5,161          | 7 668  | 67              | 8,485               | 61   |
| laver   | Rural            |                       | 431          | 4,716                                 | 5,147          | 7,118  | 72              | 7,877               | 65   |
|   | Total            |                       | (1)          | 9,877                                 | 10,308         | 14,786   | 70              | 16,362              | 63   |
| 20.3  | Urban            | 1,389                 |              | 6,962                                 | 8,351          | 11,760   | 11              | 12,157              | 69   |
| apa   | Rurat            | 1 300                 | 2,415        |                                       | 2,415          | 4,818  | 50              | 4,980               | 49   |
| ···   | Total            | 1,3\$9                | 2,415        | 6,962                                 | 10,766         | 16,578   | 65              | 17,137              | 63   |
| el Cannea   | Urban<br>Rural   | 65<br>300             | 3,255        | 5                                     | 3,329          | 3,437  | 97              | 3,783               | 68   |
|   | Total            | 365                   | 1,955        | 3,452                                 | 5,707          | 9,273  | 62              | 10,208              | 56   |
|   | Urban            |                       | 5,210        | 3,461                                 | 9,036          | 12,710   | 71              | 13,991              | 65   |
| inagat  | Rural            | tI                    | 1,351        | 4,375                                 | 2,550          | 2,550  | 100             | 2,670               | 96   |
|   | Totat            | ·                     | 3,866        | 4,610                                 | 3,920          | <u> 6,175</u><br>8,725   | 95              | 6,405               | . 92   |
|   | Urban            | 1 -1                  |              | 2,981                                 | 2,981          | 4,632  | 64              | 9,136               | 93   |
| iencial Luna  | Rural            |                       |              | 6,519                                 | 6,519          | 8,404  | 78              | 5,187<br>9,409      | 57   |
|   | Total            |                       |              | 9,500                                 | 9,500          | 13,036   | 73              | 14,5%               | 69<br>65   |
|   | Urban            | 2,445                 |              | 1,193                                 | 3,638          | 6 594  | 55              | 7,465               | 49   |
| ที่สูลฉุบใ  | Rural            | 3,100                 |              | 3,744                                 | 6,844          | 9,317  | 73              | 10,547              | 65   |
|   | Tota!            | 5,545                 |              | 4,937                                 | 10,482         | 15,911   | 66              | 18,012              | 58   |
|   | Urban            |                       | 835          |                                       | 835            | 3,094  | 27              | 3,433               | 24   |
| ībja (Albor)  | Rural            |                       | 3,427        | 4,438                                 | 7,865          | 12,358   | 64              | 13,714              | 57   |
|   | Total            | <u>ا</u> ا            | 4,262        | 4,438                                 | 8,700          | 15,452   | 56              | 17,147              | 51   |
|   | Urban            | 499                   | 3,773        | 780                                   | 5,052          | 5.662  | 89              | 6,538               | 77   |
| orcio   | Rural            | <u> </u>              | 2,773        |                                       | 2,773          | 2,789  | 99              | 3,221               | 85   |
|   | Total            | 499                   | 6,546        | 780                                   | 7,825          | 8,451  | 93              | 9,759               | 80   |
| lainit  | Urban            | 1.698                 | 3,373        | 3,274                                 | <u> </u>       | 10,125   | 82              | 10,936              | 76   |
| A   | Rural            | <u>5,297</u><br>6,995 | 1,179        | 2,873                                 | 9,349          | 17 198   | 77              | 13,175              | 71   |
|   | Urban            | 735                   | 4,552        | 5,847                                 | 17,694         | 22,323   | 79              | 24,111              | 73   |
| lalimono  | Rural            |                       | 5,550        | 1,103                                 | 855            | 6,777  | 13              | 6,802               | 13   |
|   | Total            | 735                   | 5,530        | 1,103                                 | 6,653<br>7,508 | 7_385  | 90              | 7,411               | 90   |
|   | Urban            |                       | 1,886        | 1,105                                 | 1,885          | 14.162   | 53<br>82        | 14,213              | 53   |
| iðar  | Roral            |                       | 644          | 2,675                                 | 3,319          | 6,279  | 53              | 2,522               | 75   |
|   | Total            | 1                     | 2,530        | 2,675                                 | 5,205          | 8,568  | 61              | 6,919               | 48<br>55   |
|   | Urban            |                       | 660          | 11,429                                | 12,089         | 12 774   | 95              | 14,620              | 83   |
| lacer   | Reral            | 735                   | 1,286        | 5,098                                 | 7,119          | 8,906  | 80              | 10,193              | 70   |
|   | Total            | 735                   | 1,946        | 16,527                                | 19,208         | 21,680   | 89              | 24,813              | $\frac{n}{n}$  |
|   | Urban            | 420                   | 800          |                                       | 1,220          | 2,174  | 56              | 2,382               | 51   |
| an Benito   | Rural            |                       |              | \$20                                  | 570            | 2,460  | 23              | 2,696               | 21   |
|   | Total            | 420                   | 800          | \$70                                  | 1,790          | 4,634  | 39              | 5,078               | 35   |
| an Francisco (Arresta   | Urban            | 1,603                 | 200          | 1,688                                 | 3,491          | 4,035  | 86              | 4,458               | 78   |
| ian Francisco (Anao-Aon)  | Rural            | 3,138                 | 1,364        | 1,251                                 | 5,753          | 6,303  | 91              | 6,962               | \$3  |
|   | Total            | 4,741                 | 1,564        | 2,939                                 | 9,244          | 10,339   | 89              | 11,420              | 81   |
| an Isidro   | Urban<br>Rural   | ł                     | 1,720        |                                       | 1,720          |  | 96              | 2,030               |  |
|   | Total            | +                     | 1,720        | 2,988                                 | 2,988          |  | 71              | 4,769               | 63   |
|   | Urban            | : 386                 | 802          | 2,988                                 | 4,708          | 6.029  | 78              | 6,799               | 69   |
| an Jose   | Rarat            |                       | 180          | 2 386                                 | 4,741          | 16 011<br>17 574   | 30              | 16,330              | 29   |
|   | Total            | 386                   | 982          | 5.939                                 | 7,307          | 27,585   | 22<br>26        | 11,804              | 22   |
|   | Urban            | 1,459                 | 356          |                                       | 1,815          | 1,815  | 100             | 28,134              | 26<br>93   |
| anta Monica (Sapao)   | Rural            | 90                    | 231          | 3,195                                 | 3,516          |  | 63              | 6,020               | 58   |
| ·   | Total            | 1,549                 | 587          | 3,195                                 | 5,331          | 7,3%   | 72              | 7,978               | 67   |
|   | Urban            | 85                    |              | 1 227                                 | 1,312          | 2,896  | 45              | 3,216               |  |
| isoo  | Rural            | 3,515                 | 2,489        | 33                                    | 6,037          |  | 96              | 6,963               | 87   |
|   | Total            | 3,600                 | 2,489        | 1,260                                 | 7,349          |  | 80              | 10,179              | 12   |
|   | Urban            | ļ                     |              | 6,845                                 | 6,845          | 7,175  | 88              | 8,784               | . 78   |
| lacorto   | Rural            |                       | ]            | 5,325                                 | 5,325          | 8,069  | 66              | 9,116               | 58   |
|   | Tetal            | I                     |              | 12,170                                | 12,170         |  | 77              | 17,900              | 68   |
| udan Cine (C>-N   | Urban            | 45,180                |              | 22,469                                | 67,649         |  | 96              | 77,841              | 87   |
| uriga: City (Capital)   | Rural            | 500                   |              | 27,165                                | 27,665         |  | 74              | 41,362              | 67   |
|   | Total            | 45,680                |              | 49,634                                | 95,314         |  | 88              | 119,203             | 80   |
| agana-An  | Urban :          | ł                     |              | 4,893                                 | 4,893          | \$,676   | 86              | 6,241               | 78   |
| -Periodian  | Rural            | +                     |              | 5,718                                 | 5,718          |  | 83              | 7,551               | 76   |
|   | - Total<br>Urban | +                     | 300          | 10,611                                | 10,611         |  | 85              | 13,792              |  |
| ubajon  | Rural            |                       | 708          | 3 700                                 | 708            | the second s |                 | 2,14)               |  |
|   | Total            |                       | 1,593        | 2,798                                 | 3,683          |  | 82              | 5,028               |  |
|   | Urban            | 1,526                 | 2,00         | 4,198                                 | 4,391          |  | 69              | 7,169               |  |
| fubod   | Rural            | 5,787                 | 3,082        | · · · · · · · · · · · · · · · · · · · | 1,526          |  | 100             | 1,572               |  |
|   | Total            | 7,313                 | 3,082        |                                       | 8,869          |  | 100             | 9,135               |  |
| ······································  | Urban            | 61,726                | 23,691       | 74 484                                |                | Contraction of the second  | 100             | 10,707              | State and second s |
| B   | Rural            | 23,006                |              | 76,456                                | 161,873        |  | 14              | 238,672             | 68   |
| Provincial Total  |                  |                       | 33,830       | 117,437                               | 174,273        | 238,079  | 13              | 262,839             | 66   |

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

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Table 8.2.3 Number of Households Served by Sanitary Toilets in the Base Year (1997)

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| Name of<br>Municipatity<br>Bacuag<br>Basilisa (Rizal) | Area       | Powelsting |             |                  | Using Samitary Loueus in 1994 |            |          |           | Projects  | Ę       | Projects |       | 10-00-01         |         |             |       | Houseboids Using Samitary Loueus in the mase Year (1997) |              |          |
|---|------------|------------|-------------|------------------|-------------------------------|------------|----------|-----------|-----------|---------|----------|-------|------------------|---------|-------------|-------|--|--------------|----------|
| nlcipality<br>(Rizal)                                 |            |            | Toursoft of |                  | ļ                             |            |          |           |           |         |          |       | Number           | Ŀ.      |             |       | Covers   | Coverage (%) |          |
| (Rizal)   |            |            | 1997)       | Fluch<br>Tollets | Pour<br>Fluib                 | VIP/Dry    | Total    | Flush     | Pour      | VIP/Dry | Total    | Hlush | Pour             | VIP/Dry | Total       | Flush | Pour<br>Flush  | VIP/Dry      | Total    |
| (Rizal)   | l ithan    | 4 2/4      | 802         |                  | 89                            | ľ          | 069      |           |           |         |          |       | -<br>85          |         | 690         |       | 77   |              | <i>L</i> |
| (Rizal)   | Runi       | 6 891      | 1.267       | ŀ                | 715                           |            | SiL      |           | ŀ         |         |          |       | 775              |         | 775         |       | 61   |              | 19       |
| (Rizal)   | Total      | 12,157     | 2,159       |                  | 1.465                         |            | 1,465    |           |           |         |          |       | - 1,465          |         | 1,465       |       | 68   |              | 3        |
| (Rizal)   | Urban      | 8.395      | 1,502       |                  | 1 200                         |            | 1,200    |           | 1         |         |          |       | 1,200            |         | 1,200       |       | \$<br>\$   | -            | 2        |
| (Riral)   | Rural      | 4,440      | 723         |                  | 527                           |            | - 527    |           |           |         |          |       | 527              |         | 527         |       | Ь  |              | 2        |
|   | Total      | 12,835     | 2.225       |                  | 1.727                         |            | 1,727    |           | •         |         |          |       | 1,727,1          |         | 1.727       |       | 32<br>82   |              | r        |
|   | Urban<br>I | 3.209      | 568         |                  | 328                           | <b> </b> - | 328      | -         | F         |         |          |       | 328              |         | 328         | -     | 58   |              | 8<br>8   |
|   | Rutal      | 22.596     | 4.079       |                  | 2,811                         | 1          | 2,811    |           |           |         |          |       | 2,811            |         | 2,811       |       | 69   |              | \$       |
| -   | Total      | 25.805     | 4,647       |                  | 3,139                         |            | 3,139    |           |           |         |          |       | 3,139            |         | 3,139       |       | 88   | _            | X9       |
| 2   | Urban      | 2,213      | 458         |                  | 371                           |            | 371      |           |           |         |          |       | 371              |         | 371         | _     | - 18   |              | 5        |
| Burgos  | Runal      | 667        | 124         |                  | 85                            |            | - 85     |           |           | -       |          |       | 85               |         | 33          |       | 8  |              | \$       |
|   | Total      | 2,880      | 582         |                  | 454                           | -          | 456      |           |           |         |          |       | 456              |         | 456         | ŗ     | ř  |              | ۶        |
|   | Urban      | 5.172      | 1,060       |                  | 531                           |            | 531      | •         |           |         |          |       | 531              |         | 531         |       | 8  |              | 8        |
| Cardianao   | Rund       | 6.186      | 1,215       |                  | 506                           |            | ŝ        |           |           |         |          |       | 905              |         | - 505       |       | -74  | · .          | - 24     |
|   | Total      | 11.358     | 22751       |                  | 1,436                         |            | 1,436    |           |           |         |          |       | 1,436            |         | 1,436       |       | 53   |              | 3        |
|   | Urtham     | 7,668      | 1.524       |                  | 1.371                         |            | 1.371    |           |           |         |          |       | 1,371            |         | 1.371       |       | 8  |              | 8        |
| Claver  | Rural      | 7.118      | 1.418       |                  | 8                             |            | E98      |           |           |         |          |       | 963              |         | 963         |       | \$   |              | ÿ        |
|   | Total      | 14 786     | 2,942       | ╞                | 2 334                         |            | 2.334    |           | ľ         |         |          |       | 2,334            |         | 2,334       |       | - 79   |              | ጽ        |
|   | Irban      | 11.760     | 2,400       |                  | 1.820                         |            | 1,829    |           | :         |         |          |       | 1,829            |         | 1,829       |       | 26   |              | %        |
| Dapa  | Rumi       | 4.818      | 952         |                  |                               |            | 654      |           |           | -       |          |       | 654              |         | <b>3</b> 29 |       | - 69   |              | \$       |
|   | Total      | 16.578     | 3,352       |                  | 2 483                         |            | 2,483    |           |           | ~       |          |       | 2,483            |         | 2,483       |       | 7  |              | 2        |
| 3   | Urban      | 3,437      | 1/9         |                  | 646                           |            | 949      |           |           |         |          |       | 9 <del>7</del> 9 |         | 949         |       | 8  |              | 8        |
| Del Carmes  | Rural      | 9.273      | 1,783       |                  | . 867                         |            | 867      | •<br>•    |           |         |          |       | <u>8</u>         |         | 202         |       | <b>2</b>   |              |          |
|   | Total      | 12,710     | 2454        |                  | 1,513                         |            | 1,513    |           | ╡         |         | :        |       | 1.513            |         | 1.213       |       | 3  |              | 23       |
|   | Urban      | 2,550      | \$23        |                  | <u> </u>                      | ╏          | <u> </u> |           |           |         | T        |       | 00<br>00         |         | 044         |       | 3 3  |              | 3        |
| Duagat  | Kurs       | 6,175      | 907-1       |                  |                               |            | 2        |           |           | T       |          |       |                  | t       | 111         |       | 2  | -            | 38       |
|   |            | 8,72       |             |                  |                               | ſ          |          |           |           | :       | I        |       | 610              | t       | 619         |       | 67   |              | 67       |
|   |            | 4 032      | 1/1/2       |                  | 1 22                          |            | 1 100    |           |           |         |          | Ī     | 1.062            |         | 1.062       |       | 3  | ŀ            | 8        |
| ÷   | Kural      | 10 01      | 20001       |                  | 1 60 1                        | :          | 1441     |           |           | t       | Ī        |       | 1.681            |         | 1.681       |       | 3  | ŀ            | 3        |
| • =   | 1 Inhan    | A 50A      | 2101-       |                  | 199X                          |            | - 598    | ┢         |           |         |          |       | 865              |         | \$98        |       | - 12   |              | 71       |
| Gigaquit  | Runal      | 9.317      | 1.706       |                  | 1,284                         |            | 1,288    |           |           |         |          |       | 1,288            |         | 1,288       |       | 2  |              | ۴        |
|   | Total      | 116.51     | 2.923       | ╞                | 2,153                         | F          | 2,153    |           |           |         |          |       | 2,153            |         | 2,153       |       | - 7  |              | 25       |
|   | Irban      | 3,094      | 602         |                  | 578                           |            | 578      |           |           |         |          |       | 578              |         | 578         |       | \$   |              | 8        |
| Libjo (Albor)   | Rural      | 12,358     | 2,319       |                  | 1.259                         |            | 1,259    |           |           |         |          |       | 1,259            | :       | 1,259       |       |  |              | *        |
| T   | Total      | 15 452     | 2,921       |                  | 1,337                         | 1          | 1,837    | :         |           |         |          |       | 1.837            |         | 1,8.37      |       | 8  |              | 8        |
|   | Urban      | 5,662      | 1,202       | •                | 959                           |            | 66<br>6  |           |           |         |          |       | 88               |         | 959         |       | 8  |              | 3        |
| Loreto  | Kural      | 2,789      | 568         |                  | ส                             |            | 222      | Sec. A.L. | 1 1 2 2 2 |         |          |       |                  |         | Ħ           | T     | ŝ  | -            | ŝ        |
|   | Total      | 8,451      | 1,770       |                  | 1,181                         |            | 1,131    |           | -         |         |          |       | 1,181            |         | 1,181       |       | 5  |              | 5        |
|   | Urban -    | 10, 125    | 1,940       |                  | 1,415                         |            | - 1,415  |           | ÷         | :       | _        |       | 1,415            | -       | :4:         |       | F  |              | F)       |
| Mainit  | Rural      | 12, 198    | 2,255       |                  | 1,854                         |            | 1,8,54   |           |           |         |          |       | 1,854            |         | 458,1       |       | 2  |              | s        |
| 1   | Total      | 22,323     | 4,195       |                  | 3,269                         |            | 3,269    |           |           |         |          |       | 3,209            |         | 3,269       |       | ×  | -            | <u>ج</u> |
|   | Urban      | 6,777      | 1,337(      |                  | 282                           |            | 32       |           |           |         |          |       | 752              |         | 752         |       | 8  |              | 8        |
| Malimone  | Rural      | 7,385      | 1,409       |                  | 1,137                         |            | 1,137    |           |           |         |          |       | 1,137            |         | 1,137       |       |  |              | 18       |
|   | Total      | 14,162     | 2,746       |                  | 1, 889                        |            | 1,819    |           |           |         |          |       | 1 889            |         | 1,889       | ·     | 8  |              | 8        |

8 - 3

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|                              |                |            | Number of  | Households                               | -       | ising Sanitary Tollets in 1997            | s in 1997 | Recipient | t HTHL of Plan<br>Projects | Recipient HHL of Planned/On-going<br>Projects | going |             | House         | Households Using Sanitary Toilets in the Base Year (1997) | Sanitary     | Toilets in t | be Base Yes | ur (1997)    |       |
|------------------------------|----------------|------------|------------|--|---------|---|-----------|-----------|----------------------------|---|-------|-------------|---------------|---|--------------|--------------|-------------|--------------|-------|
| Name of                      | Area           | Population | Housebolds | 1  |         | -   |           |           | ┢─                         | ŀ   |       |             | Num           | 1   |              |              | Cover       | Coverage (%) |       |
| MUDICIPALITY                 |                | (1.661)    | (1997)     | Toilets                                  | Flush   | VID/DIA                                   | Total     | flush     | Fluch -                    | VIP/Dry                                       | Total | Flush       | Pour<br>Flush | VIP/Dry   | Total        | Flush        | Pour        | NID/AIN      | Total |
|                              | Urban          | 2.289      | 441        |  | 682     |   | 380       |           |                            |   |       |             | 081           |   | 189          |              | 88          | -            | 88    |
| Pilar                        | Rural          | 6,279      | 1,113      |  | 705     |   | 205       |           |                            |   | -     |             | 705           |   | 705          |              | 63          | _            | 63    |
|                              | Total          | 8,568      | 1,554      |  | 1001    |   | 1,094     |           |                            |   |       |             | 1,094         |   | 1,094        |              | 20          | -            | 20    |
|                              | Urban          | 12,774     | 2,366      | ſ  | 2,072   | -   | 2,072     |           |                            |   |       |             | 2,072         |   | 2,072        |              | 88          | - •          | 88    |
| Placer                       | Rurai          | 8,906      | 1,803      |  | 1,175   |   | 1,175     |           |                            |   |       |             | 1,175         |   | 1,175        |              | . 65        |              | 65    |
|                              | Total          | 21,680     | 4,169      |  | 3,247   |   | 3,247     | <b> </b>  |                            |   |       |             | 3,247         |   | 3,247        |              | - 28        |              | 78    |
|                              | Urban          | 2,174      | 388        |  | ELE     |   | 373       |           |                            |   |       |             | 373           | _   | 373          |              | 8           |              | 8     |
| San Benito                   | Kura           | 2,460      | 465        |  | 158     |   | 158       |           |                            |   |       |             | 158           |   | 158          |              | ×           |              | *     |
|                              | Total          | 4,634      | 853        | ·  | 531     | :   | 531       |           |                            |   |       |             | 531           |   | 531          | -            | 62          |              | 62 -  |
| Can Francisco ( 8 430        | Urban          | 4,036      | 827        |  | 552     |   | 552       |           |                            |   |       |             | 552           |   | 552.         |              | 67 -        |              | -62   |
|                              | Rural 1        | 6.303      | 1,210      |  | 888     |   | 888       |           |                            |   |       |             | 833           |   | 888          |              | 3           |              | 5     |
|                              | Total          | 10,339     | 2,037      |  | 1,440   |   | 1,440     |           |                            | -   |       |             | 1,440         | •••   | 1,440        |              | - 71        |              | 71    |
|                              | Urban          | 1,800      | 314        |  | 301     |   | 301       |           |                            |   |       |             | 301           |   | 105          |              | 8           | <del></del>  | 8     |
| San Isidro                   | Rural          | 4,229      | 735        |  | 373     |   | 373       | ;         |                            | -   |       | H           | 373           |   | 373          |              | 51          | i            | ۶۱    |
|                              | Total          | 6,029      | 1,049      | -  | 674     |   | - 674     |           |                            |   |       |             | 674           |   | 674          | -            | - 49        |              | 8     |
|                              | Urban          | 10.01      | 2,895      | · · ·                                    | 1 966   |   | 1,966     |           |                            |   |       |             | 1,966         | -   | 1,966        |              | 68          |              | 68    |
| San Jose                     | Runal          | 11.574     | 1,955      |  | :1,128  |   | 1,178     |           |                            |   |       |             | 1,178         |   | 1,178        |              | - 60        |              | 60    |
| -                            | Total          | 27,585     | 4,850      |  | 3 144   |   | 3,144     |           |                            | -   |       |             | 3,144         | -   | 3,144        |              | 65          | · •          | 65    |
|                              | Urban          | 1,815      | 341        |  | 175     |   | -175      |           |                            |   | ļ,    |             | 175           |   | 175          |              | 51          |              | 51    |
| Santa Monica (Sapao)         | Rural .        | 5,581      | 996        |  | 556     | 1. 1. 1. A.                               | 556       |           | -                          |   |       |             | 556           |   | 556          |              | 58          |              | 8     |
|                              | Total          | 365.7      | -          |  | 731     | يند<br>د                                  | 102       |           | -                          |   |       | 1           | 731           |   | 731          | -            | 8           |              | *     |
|                              | Urban          | 2,896      | 562        |  | 540     |   | 540       | _         |                            |   |       |             | 3             |   | 9 <b>9</b> 5 |              | 8           |              | 8     |
| Sison                        | Rural          | 6,270      | 1,146      |  | 946     |   | 946       |           |                            |   | —     |             | 346           |   | 3            |              | 3           | -            | 2     |
|                              | Total          | 9,166      | 1,708      |  | 1,486   |   | 1,486     |           |                            |   |       |             | 1,486         |   | 1,486        |              | 87          |              | 62    |
|                              | Urban          | 7,775      | 1,359      |  | 1,301   |   | 1,301     |           |                            | :   |       |             | 1,301         |   | 1,301        |              | 8           |              | *     |
| Scento [                     | Runi           | 8,069      | 1,368      |  | 862     |   | 862       |           |                            |   |       |             | 862           |   | 862          |              | 3           |              | \$    |
|                              | Total          | 15,844     |            |  | 2,163   |   | 2,163     |           |                            |   |       | ÷           | 2,163         |   | 2,163        |              | ጽ           |              | ۴     |
|                              | Urben          | ~ 70,705   | ÷.,        | 1,921                                    | 5,617   | -   | 7,538     |           |                            |   |       | 1,921       | 5,617         |   | 7,538        | 4            | ¥           |              | *     |
| Surigao City (Capital) Rural | Rural          | 37,570     | . 1        | •  | 5,845   |   | 5,845     |           |                            |   |       |             | 5,845         | :   | 5,845        |              | 8           |              | 8     |
|                              | Total          | 108,275    |            | ··· 1,921                                | 11,462  |   | 13,383    |           |                            |   |       | 1,921       | 11,462        | :   | 13,383       | <br>م        | S<br>S      |              | 8     |
|                              | Urban          | 5,676      | 1,106      |  | - 938   |   | 938       |           |                            |   |       | -           | 938           |   | 83K          |              | 3           |              | ŝ     |
| Tagana-An []                 | Rural          | 6,867      | 1,313      |  | - 942   |   | 942       |           | <br>                       | -   | _     |             | 942           | •   | 252          |              | - 22        | ~            | 2     |
|                              | Total          | 12,543     | 2,419      |  | 1,880   |   | 1,380     |           |                            |   |       |             | 1,830         |   | 1,580        | •            | 78          |              | 20    |
|                              | Urban          | 016,1      | 398        |  | 398     |   | 398       |           | •                          |   |       |             | 398           |   | 398          |              | 100         | -            | 10    |
| Tubajon [j                   | Rural          | 4,485      | 871        |  | 422     |   | 422       |           |                            | •   |       | -           | 122           |   | 422          |              | · 87        | +            | 84    |
|                              | Total          | 6,395      | 1,269      |  | \$20    | -   | 820       |           |                            | :   | -     | -           | 22            | -   | 828          | -            | s           |              | 3     |
|                              | Urban          |            | 295        | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 287     |   | 287       |           |                            |   |       | _           | 287           | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1                  | 287          |              | \$          |              | 65    |
| Tubod                        | Rural          | 8,869      | 1 742      |  | 1,337   |   | - 1.337   |           |                            | -   | -     | -<br>-<br>- | - 1,337       |   | 1.337        | :            | 4           | •            | F     |
|                              | Total          | 10,395     | 2.037      |  | - 1,024 | -   | 1.624     |           |                            |   |       |             | 1,624         | -   | 1,624        |              | 8           | -            | 8     |
|                              | urden<br>Later | 217,939    | 41,678     | 1,921                                    | 27,418  | 1. N. | 29,339    |           |                            |   |       | 1,921       | 27,418        |   | 29,339       |              | \$          | •            | 2     |
| Provincial Total             | Rural          | 238,079    | 44,576     |  | 30,575  |   | 30,575    |           |                            | -   |       | _           | 30.575        | -   | 30,575       |              | 69          |              | ŝ     |
|                              | [ otal         | 456,018    | 86,254     | 1,921                                    | 57,993  |   | 59,914    | -         |                            |   |       | 126'1       | 57,993        |   | 59.914       |              | 67          |              | 60    |

Table 8.2.3 Number of Households Served by Sanitary Toilets in the Base Year (1997)

8 - 4

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| Name of Municipality     | 1997 Total<br>Number of Public<br>School Student | Standard No. of<br>Student that can<br>be Served by<br>1997 | No. of Student to<br>be Served by<br>Planned /On-<br>going Projects | Standard No. of<br>Students that can<br>be Served by<br>Toilets in Base<br>V | Coverage (%) |
|--------------------------|--|---|---|--|--------------|
|                          | 2 180  | 1 040   | R   | 1.040  | 33           |
| Ategria                  | 2,10   | 2.138   |   | 2.138  | 100          |
| Bacilica (Rizal)         | 4,460  | 3.000   |   | 3,000  | 67           |
| Burgos                   | 1,506  | 240   |   | 240  | 16           |
| Caedianao                | 2,928  | 2.840   |   | 2,840  | 26           |
| Claver                   | 3,760  | 3,600   | -   | 3,600  | 96           |
| Dapa                     | 5,631  | 480   |   | 480  | 6            |
| Del Carmen               | 2,156  | 2,156   |   | 2,156  | 100          |
| Dinacat                  | 3,152  | 880   |   | 880  | 28           |
| General Luna             | 3,156  | . 1.920   |   | 1,920  | 61           |
| Gigaquit                 | 3,009  | 3,009   |   | 3,009  | 100          |
| Libio (Albor)            | 3,535  | 520   |   | 520  | 15           |
| Loreto                   | 1,458  | 1,458   |   | 1,458  | 100          |
| Mainit                   | 5.690  | 3,040   |   | 3.040  | 53           |
| Malimono                 | 3,932  | 1.680   |   | 1,680  | 43           |
| Pilar                    | 1,578  | 696   |   | 960  | 61           |
| Placer                   | 4,919  | 4,919   |   | 4,919  | 100          |
| San Benito               | 2,301  | 1,600   |   | 1.600  | 70           |
| San Francisco (Anao-Aon) | 2.524  | 2,524   |   | 2,524  | 100          |
| San Isidro               | 1,578  | 1.578   |   | 1.578  | 100          |
| San Jose                 |  |   |   |  |              |
| Santa Monica (Sapao)     | 1,365  | 640   |   | 640  | 47           |
| Sison                    | 2,320  | 1,840   |   | 1,840  | 79           |
| Socorro                  | 3,886  | 2,640   |   | 2,640  | 68           |
| Surigao City (Capital)   | 32,028   | 20,720  |   | 20.720   | 65           |
| Tagana-An                | 2,775  | 1,040   |   | 1.040  | 37           |
| Tubajon                  | 1.869  | 1,320   |   | 1.320  | 71           |
| Tubod                    | 2,400  | 960   |   | 960  | 40           |
| Provincial Total         | 109.243  | 68.742  |   | 68,742   | 63           |

Table 8.2.4 Number of Public School Student Served by School Toilets in Base Year (1997)

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| Name of<br>Musicipality | Type                                     | No. of PU with<br>Tollets in 1997 | No. of PU with<br>Sanitary<br>Toilets In 1997 | No. of PU with<br>Toilets in<br>Planned On-<br>going Project | No. of PU with<br>Sanitary<br>Toilets fa<br>Planned On-<br>golag Projects | No. of PU with<br>Toilets in Base<br>Year 1997 | No. of PU with<br>Saultary<br>Tollets in Base<br>year 1997 | Coverage (%) |
|-------------------------|--|-----------------------------------|---|--|---|--|--|--------------|
|                         | Public Market                            | 1                                 | l   | l  |   |  | 1  | 100          |
| Alegria                 | Bus/leepney Terminal                     |                                   |   |  |   |  |  |              |
|                         | Parks/Playground                         |                                   | · · · · · · · · · · · · · · · · · · ·         | l  |   |  |  |              |
|                         | Total                                    | I                                 | 1   | L  |   | 1  | 1  | 100          |
|                         | Public Market                            | 2                                 | 2   |  |   | 2  | 2  | 100          |
| Bacuag                  | Bus/Jeepacy Terminal                     |                                   |   |  |   |  |  |              |
| v                       | Parks/Playgroun3                         |                                   |   |  |   |  |  |              |
|                         | Tetal                                    | 2                                 | 2   |  |   | 2  | 2  | 100          |
|                         | Public Market                            | 1                                 | 1   |  |   | 1  | 1  | 100          |
| Basilisa (Rizal)        | Bus/Jeepney Terminal                     |                                   |   |  |   |  |  |              |
|                         | Parks/Playground                         |                                   |   |  |   |  | ·  |              |
|                         | Tetal                                    | 1                                 | 1   |  |   | 1  | 1  | 100          |
|                         | Public Market                            | 1                                 | 1   |  |   | 1  | 1  | 100          |
| Burgos                  | Bus/Jeepacy Terminal                     |                                   |   |  |   | ·  | · · · · · · · · · · · · · · · · · · ·                      |              |
| 800                     | Parks/Playground                         | 2                                 | 2   |  |   | 2  | 2  | 100          |
|                         | Total                                    | 3                                 | 3   |  | <u> </u>  | 3  | 3  |              |
|                         | Public Market                            | 1                                 | 1   |  | t   | 3  | ,  | 100          |
| Cagdianee               | Bus/Jeeppey Terminal                     | T                                 | T   | <b> </b> -   | f   |  | <u> </u>   | 100          |
| Caknimaa                | Parks/Playground                         |                                   |   |  | <u></u> †−−−−−.   |  |  |              |
|                         | Total                                    | 1                                 | 1   | <u> </u>   | +   | 1  | ·····  | 100          |
|                         | Public Market                            |                                   | · · ·   |  | +- <b></b>  | 1  | <u> </u>   | 100          |
|                         | Bus/Jeepney Terminal                     | <u> </u>                          | 1   |  |   |  |  | 100          |
| Claver                  | Parks/Playground                         | 1 1                               | 1   | <b></b>  |   | 11   | <u> </u>   | 100          |
|                         | Total                                    | 3                                 | 3   |  |   | 1  | <b></b>  | 100          |
|                         | Public Market                            | 2                                 | 2   |  | ·   | 3  | 3  | 100          |
|                         | Bus/Jeepney Terminal                     | 2                                 | *···  |  | <u> </u>  | 2  | 2  | 100          |
| Dapa                    | Parks/Playground                         |                                   | 2   | · · · · · · · · · · · · · · · · · · ·                        | · · · · · · · · · · · · · · · · · · ·                                     | 2  | 2  | 100          |
|                         | Total                                    | 1                                 | 1   |  |   | · · · · ·                                      | 1  | 100          |
|                         | Public Market                            |                                   | 5   |  |   | 5  | 5  | 100          |
|                         |  |                                   | 1   |  |   | <u> </u>                                       | 11   | 100          |
| Del Cannen              | Bus/Jeepney Terminal<br>Parks/Playground |                                   |   |  | · · · · · · · ·   |  |  |              |
|                         | Total                                    | +                                 |   |  | <u> </u>  |  | ·  |              |
|                         |  | <u> </u>                          | 1   | ļ  |   | 1  | 1  | 100          |
|                         | Public Market                            | 1                                 | 1   |  |   | 1  |  | 100          |
| Dinagat                 | Bus/Jecpney Terminal                     |                                   | •       | <b> </b>   |   |  | ļ  |              |
|                         | Parks/Playground                         | 4                                 | 4   |  | ·   | 4  | 4  | 100          |
|                         | Total                                    | 5                                 | 5   |  | · · · · · · · · · · · · · · · · · · ·                                     | 5  | 5  | 100          |
|                         | Public Market                            |                                   |   |  |   |  |  |              |
| General Luna            | Bus/Jeepney Terminal                     |                                   |   | Ļ  |   |  |  |              |
|                         | Parks/Playground                         |                                   |   | ļ  | · · ·   |  |  |              |
|                         | Total                                    |                                   |   |  |   |  |  |              |
|                         | Public Market                            | 1                                 | 1   | ┥─────   |   | I  | 1  | 100          |
| Gigaquit                | Bus/Jeepney Terminal                     | ·                                 | l   | l  |   |  |  |              |
|                         | Parks/Playground                         | 3                                 | 3   |  |   | 3  | 3  | 100          |
|                         | Total                                    |                                   | 4   | I  |   | 4  | 4  | 100          |
|                         | Public Market                            | +                                 | ļ   | l  |   |  |  |              |
| Libja (Albor)           | Bus/Jeepacy Terminal                     |                                   |   |  |   |  |  | I            |
|                         | Parks/Playground                         | 5                                 | 5   |  |   | 5  | 5  | 100          |
|                         | Total                                    | 5                                 | 5   |  |   | 5  | 5  | 100          |
|                         | Public Market                            | 1                                 | 1   |  |   | 1  | 1  | 100          |
| Loreto                  | Bus/Jeepacy Terminal                     |                                   |   |  |   |  | 1  |              |
|                         | Parks/Playground                         | 2                                 | 2   |  |   | 2  | 2  | 100          |
|                         | Total                                    | 3                                 | 3   |  |   | 3  | 3  | 100          |
|                         | Public Market                            | 1                                 | 1   |  | T   | 1  | 1  | 100          |
| Mainit                  | Bus/Jeepacy Terminal                     | 3                                 | 3   |  | 1   | 3  | 3  | 100          |
|                         | Parks/Playground                         |                                   | 1   | 1  | 1   | 1  | t  |              |
|                         | Total                                    | 4                                 | 4   | <b></b>  | 1   | 1  | 4  | 100          |
|                         | Public Market                            | i                                 | 1   | 1  |   | 1  | 1  | 100          |
| Malunono                | Bus/Jeepney Terminal                     | 1                                 | i i   |  | 1   | 1  | <u>       </u>   |              |
| -sava se soupe          | Parks/Playground                         | 6                                 | 6   | 1  | t   | 6  |  | 100          |
|                         | Total                                    | 8                                 | 8   | 1  | +   | 8  | 6  | 100          |

# Table 8.2.5 Number of Public Utilities with Sanitary Toilets in the Base Year (1997)

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| Name of<br>Municipality               | Туре                 | No. of PU with<br>Toilets in 1997     | No. of PU with<br>Sanitary<br>Toilets la 1997 | No. of PU with<br>Toilets in<br>Planned On-<br>going Project | No. of PU with<br>Sanitary<br>Toilets In<br>Planned/On-<br>going Projects | No. of PU with<br>Toilets in Base<br>Year 1997 | No. of PÜ with<br>Sabitary<br>Toilets in Base<br>year 1997 | Coverage (%)                          |
|---------------------------------------|----------------------|---------------------------------------|---|--|---|--|--|---------------------------------------|
|                                       | Public Market        |                                       | 1   |  |   |  | 1  | 100                                   |
| Pilar                                 | Bus/Jeepney Terminal |                                       |   |  |   |  |  |                                       |
|                                       | Parks/Playground     | 1                                     | 1   |  |   | 1  | 1  | 100                                   |
|                                       | Total                | 2                                     | 2   |  | [   | 2  | 2  | 100                                   |
|                                       | Public Market        | 1                                     | 1   |  | 1   | 1  | 1  | 100                                   |
| Placer                                | Bus/Jeepney Terminal | 2                                     | 2   |  |   | 2  | 2  | 100                                   |
| 1 30001                               | Parks/Playground     |                                       |   |  | ······································                                    |  |  |                                       |
|                                       | Total                | . 3                                   | 3   |  | · · · · · ·   | 3  | 3  | 100                                   |
|                                       | Public Market        | 1                                     | 1   |  |   | 1  |  | 100                                   |
| San Benito                            | Bus/Jeepney Terminal | 1                                     | 1   | [·   |   | 1  | 1  | 100                                   |
| San Denay                             | Parks/Playground     | 1                                     |   |  |   | 1  |  | 100                                   |
|                                       | Total                | 3                                     | 3   |  |   | 3  | 3  | 100                                   |
|                                       | Public Market        | 1                                     | 1   |  | ł   |  |  | 100                                   |
| San Francisco (Anao-                  | Bus/Jeepney Terminal | t                                     |   |  | <b> </b>  | ·  |  |                                       |
| Aon)                                  | Parks/Playground     | · · · · · · · · · · · · · · · · · · · |   |  |   |  | · · · · · · ·  |                                       |
|                                       | Total                | 1                                     | 1   | r  | <u> </u>  | 1  | <u>}</u>   |                                       |
|                                       | Public Market        |                                       |   |  | <u>+</u>  |  | <u> </u>   | 100                                   |
| · ·                                   | Bus/Jeepney Terminal | <u> </u>                              | f   | <u> </u>   | <u> </u>  | <u> </u>                                       | <u></u> ╡╌┈└──╹────┥                                       | 100                                   |
| San Isidro                            | Parks/Playground     |                                       |   |  | <b> </b>  |  |  |                                       |
|                                       | Total                | - 1                                   |   |  | <b> </b>  | <u> </u>                                       |  |                                       |
|                                       | Public Market        | 2                                     |   |  | l   | 1  | 1  | 100                                   |
| н.<br>1                               | Bus/Jeepney Terminal | <i>i</i>                              | 22  |  |   | 2  | 2  | 100                                   |
| San Jose                              | Parks/Play ground    | ł                                     |   | • ———  |   | <u> </u>                                       |  |                                       |
|                                       |                      | 2                                     | 2   | <u> </u>   | <b> </b>  | 2  | 2  | 100                                   |
|                                       |                      | 4                                     | 4   |  | <b> </b>  | 4  | 4  | 100                                   |
| · ·                                   | Public Market        | 1                                     | 1   | · · · · · · · · · · · · · · · · · · ·                        | <b> </b>  | <u> </u>                                       | <u> </u>   | 100                                   |
| Santa Monica (Sapao)                  | Bus/leepney Terminal | <u> </u>                              |   | ł  | <b>ļ</b>  |  |  |                                       |
|                                       | Parks/Playground     | I                                     | <u> </u>                                      | <b>.</b>   | <u> </u>  |  |  |                                       |
|                                       | Total                | <u> </u> <u> </u>                     | 11  | <b></b>  |   | <u> </u>                                       | 1  | 100                                   |
| 1 A                                   | Public Market        | l                                     | ·····   |  | ļ   | l  | <u> </u>   | 100                                   |
| Sison                                 | Bus/Jeepney Terminal | ·<br>                                 |   |  | <b>_</b>  |  | · · · · · · · · · · · · · · · · · · ·                      |                                       |
|                                       | Parks/Playground     |                                       | · ·····                                       |  | L   |  |  |                                       |
|                                       | Total                | ll                                    | <u>L</u>                                      |  |   |  | <u> </u>   | 100                                   |
|                                       | Public Market        | . 2                                   | 2   | L  |   | 2  | 2  | 100                                   |
| <b>Socorro</b>                        | Bus/Jeepney Terminal | · · · · · · · · · · · · · · · · · · · |   | · · · ·  |   |  |  |                                       |
|                                       | Parks/Playground     | 11                                    | <u> </u>                                      | L  | · · ·   | 1  | 1  | 100                                   |
| ·                                     | Total                | 3                                     | 3.  |  |   | 3  | 3  | 100                                   |
|                                       | Public Market        | 6                                     | 6   | <u> </u>   |   | 6  | 6  | 100                                   |
| Surigao City (Capital)                | Bus/Jeepney Terminal | 2                                     | 2   | <u> </u>   |   | 2  | 2  | 100                                   |
|                                       | Parks/Playground     | 2                                     | 2   | L  |   | 2  | 2  | 100                                   |
| · · · · · · · · · · · · · · · · · · · | Totat                | 10                                    | 10  |  |   | 10   | 10   | 100                                   |
| 1                                     | Public Market        | 1                                     | I   |  | L   | 1  | 1  | 100                                   |
| Tagana-An                             | Bus/Jeepney Terminal |                                       |   |  |   |  |  |                                       |
|                                       | Parks/Playground     |                                       |   |  | 1   | 1 · · · · ·                                    |  |                                       |
|                                       | Tota!                | 1                                     | l   |  | [   | I I  | 1  | 100                                   |
|                                       | Public Market        | 1                                     | 1   | [  | 1   | 1  | 1  | 100                                   |
| Tubajon                               | Bus/Jeepney Terminal |                                       |   |  |   |  | 1  | · · · · · · · · · · · · · · · · · · · |
|                                       | Parks/Playground     |                                       |   | 1  |   |  |  |                                       |
|                                       | Total                | 1                                     | 1   | T  |   | I  | 1  | 100                                   |
|                                       | Public Market        | 1                                     | 1   | 1  | 1   | 1  | 1  | 100                                   |
| Tubod                                 | Bus/Jeepney Terminal | I                                     | 1 ·····                                       | 1  | t   | 1  | 1  |                                       |
| 1 0 0 0 0                             | Parks/Playground     | 1                                     | I   | 1  | :   | 1  | T  |                                       |
|                                       | Total                | 1                                     | <u> </u>                                      | 1  | 1   | 1 1  | <u> </u>   | 100                                   |
|                                       | Public Market        | 35                                    | 35  | †  | 1   | 35   | 35   | 100                                   |
|                                       | Bus/Jeeppey Terminal | 12                                    | 12  | 1  | <b>†</b>  | 12   | 12   | 100                                   |
| Provincial Total                      | Parks/Playground     | - 31                                  | 31  |  | 1   | 31   | 31   | 100                                   |
| ŀ                                     | Total                | 78                                    | 78  | 1  | 1   | 78   | 78   |                                       |
|                                       | <u> </u>             | 1 10                                  | 10  | <u>.</u>   | <u></u>   | <u>, /º</u>                                    | 10   | 100                                   |

## Table 8.2.5 Number of Public Utilities with Sanitary Toilets in the Base Year (1997)

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|                         |         | N0. 01 H  | No. of Household Served by Existing<br>Facilities | Served by E<br>lities | - Runsov |        |           | Covers                          | Coverage in 1997 | •            |                   |          |              |           | Cover         | Coverage in 2003                |          |                   |          |
|-------------------------|---------|-----------|---|-----------------------|----------|--------|-----------|---------------------------------|------------------|--------------|-------------------|----------|--------------|-----------|---------------|---------------------------------|----------|-------------------|----------|
| Name of<br>Municipality | Arca    |           | Pour  |                       |          | No. of | Percentag | Percentage of Served Households | ł Househo        |              | Served Population |          | No. of       | Percentag | e of Servi    | Percentage of Served Kousebolds |          | Served Population | ្តរា     |
| •                       |         | Flush     | Flush   | AUDAIN                | Total    |        | Flush 1   | Pour V<br>Flush D               | VIP/<br>Dry Tot  | Total Number |                   | %        |              | Flush     | Pour<br>Flush | VIP/ To<br>Dry To               | Total Ni | Number            | *        |
|                         | ( Irban |           | 969   |                       | 069      | 892    |           |                                 | ┢╌               |              | 4,053             | 11       | 986          |           |               | 70                              |          | 4,496             |          |
| Alceria                 | Rural   |           | 775   |                       | 775      | 1,267  |           | 61-                             | 61               | -            |                   | 51 - 1 - | 1,400        |           | 55            | ŝ                               | -        | 4.626             | Ŷ١       |
| 0                       | Total   |           | 1,465   |                       | 1,465    | 2,159  |           | 68 -                            | . 68             |              |                   | 68       | 2.386        |           | 5             |                                 | -        | 9,122             | Ŷľ       |
|                         | Urban   |           | 1.200   |                       | 1,200    | 1,502  |           | 80                              | 81               |              |                   | 00       | 102.1        | -         | 7             |                                 | ┯╂       | 7,638             |          |
| Bacuag                  | Rural   |           | 527   |                       | 527      | 723    |           | 73                              | 7:               | -            |                   |          | 819          |           | 8             | °                               | ┥        | 20.5              | \$k      |
| ,<br>,                  | Total   |           | 1,727   |                       | 1,727    | 2,225  |           | 78                              | 32               |              |                   | 22       | 2,520        |           | \$<br>\$      |                                 | +        | 11/280            | ٩        |
|                         | Urban   |           | 328   |                       | 328      | 568    |           | 58                              | 35               |              |                   | <u>∞</u> | <u>68</u> 0  | -         | ÷             | 4                               | -        | 2,263             | 4        |
| Basilisa (Rizal)        | Rural   |           | 2,811   |                       | 2,811    | 4,079  |           | 69                              | 3<br>S           |              | 2.214 6           | <u></u>  | 4.946        | -         |               |                                 | +        | 001               | ٩ŀ       |
|                         | Total   |           | 3,139   |                       | 3,139    | 4,647  |           | 89                              | 3                | -            |                   |          | 5.635        |           | 2             |                                 | ┥        | 221,133           | n îr     |
|                         | Urban   |           | 371   |                       | 371      | 458    |           | ₩                               | 2                | _            |                   |          | 202          | +         |               |                                 | ╉        | 227               | 1        |
| Burgos                  | Rural   |           | 85  |                       | 85       | 124    |           | 69                              | З<br>З           | -            |                   | <u></u>  | E.           | _         | 8             |                                 | +        | 202               | ٥ľ       |
| :                       | Total   |           | 456   |                       | 456      | 582    |           | 78                              | 78               |              |                   | 20       | Ŧ            |           | -             |                                 | -        | 2,487             | ~ ľ      |
|                         | Urban   |           | 531   |                       | 531      | 1,060  |           | 9<br>97                         | 3                |              |                   |          | 1,118        |           | 47            | 4                               | -        | Z,7061            | 4        |
| Cagdianao               | Rural   |           | <u>905</u>  |                       | 905      | 1.215  |           | 74                              | -12              |              | 1                 | 4        | 1,283        |           | F             |                                 | -        | 4,889             | ٦ľ       |
| 1                       | Total   |           | 1,436   |                       | 1,436    | 2,275  |           | 63                              | 3                |              |                   |          | 2,61<br>2,61 |           | 3             | 2                               | ~        | S.2.              | ٩ľ       |
|                         | Urban - |           | 1,371   | - <i>•</i>            | 1,371    | 1,524  |           | 8                               | 8                |              |                   | Ś        | 1,687        |           | 20            | ×                               |          | 100,7             | 2        |
| Claver                  | Rural   |           | <u>%</u>  |                       | 963      | 1,418  |           | 68                              | - 68             |              |                   |          | 1,569        |           | 3             | •                               | -        | 5314              | <b>?</b> |
|                         | Total   |           | 2,334   |                       | 2,334    | 2,942  |           | 79                              | 64 [             |              |                   | -        | 3,256        |           | 2             |                                 | -        | 2.915             | ۶I       |
|                         | Urban   |           | 1.829   |                       | 1,829    | 2.400  |           | 76                              | 2/2              | :            |                   | .6 :-    | 2,481        |           | 74            | ŕ                               | -        | 9,297             | r I      |
| Dapa                    | Rural   |           | 654   |                       | 654      | 952    |           | 69                              | 59<br>           |              |                   |          | 984          |           | 8             | 3                               | +        | 3,397             | ٥ŀ       |
|                         | Total   |           | 2,483   |                       | 2,483    | 3,352  |           | 74 .                            | 74               |              |                   | 7        | 3,465        |           | 2             | 7                               | -        | 2,694             | F        |
|                         | Urban   |           | 646   |                       | 646      | 671    |           | 96                              | 96               |              |                   | Q.       | 739          |           | 87            | 80                              | -        | 3,621             | òo       |
| Del Carmen              | Rural   |           | 867   |                       | 867      | 1,783  |           | 49 -                            | 49               |              |                   | 6        | 1,963        |           | 4             | 4                               | -        | ۲ <del>۶</del>    | 4        |
|                         | Total   |           | 1,513   |                       | 1,513    | 2,454  |           | 62 ::                           | 62               | :            | 4,984 6           | 2        | 2,702        |           | ÷             | ×<br>I                          | ÷        | 8,562             | ×        |
|                         | Urban   |           | ··· 355]  |                       | 355      | 523    |           | 68                              | 3                |              |                   |          | 5            |           | 8             | 9×                              | 4        | 1.817             | 6        |
| Dinagat                 | Rural   |           | 644   |                       | 179      | 1,206  |           | 65 55                           | 3                |              | 1                 |          | 1,263        |           | 3             |                                 | -        | 0                 | ð,       |
| -                       | Total   |           | 1 134   |                       | 1,134    | 1,729  |           | <b>6</b> 6                      | 3                |              |                   | -        | 1,810        |           | 3             |                                 | ;        | 0.013             | 3        |
|                         | Urban   |           | 619   |                       | 619      | 616    |           | 67                              |                  | -<br>        |                   | -        | 1,029        |           | 3             | ð                               |          | 5.4%              | ŏ        |
| General Luna            | Rural   |           | 1,062   |                       | 1,062    | 1,556  |           | 68                              | 68               |              |                   | ~        | 1,742        |           | 61            |                                 | -        | 6,423             | Ŷ        |
|                         | Total   |           | 1.681   |                       | 1,681    | 2,475  |           | 68 -                            | . 68             |              | :                 |          | 2,771        |           | <u>5</u>      | 0                               | -        | 9,905             | Ŷ        |
|                         | Urban   |           | 865   |                       | 865      | 1,217  |           | 71                              | 1                |              | 4,682 7           | -        | 1,377        |           | 63            | 0                               | -        | 5.320             | 0        |
| Gigaquit                | Rural   |           | 1 288   |                       | 1,288    | 1,706  |           | 75                              | -<br>2           |              |                   | 5        | 1,932        |           |               |                                 | -        | 3.                | 0        |
|                         | Total   | <br>      | 2,153   |                       | 2,153    | 2,923  |           | 74                              | 74               | -            |                   | 4        | 3,309        |           | 3             | ö                               | -        | 415.0             | 8        |
|                         | Urban   |           | 578   |                       | 578      | 602    |           | 96                              |                  |              | 2,970 9           | -<br>    | 38<br>88     | -         | 5             | <u>8</u>                        | ~        | 3,313             | 2        |
| Libio (Albor)           | Rural   |           | 1 259   |                       | 1,259 -  | 2,319  | -         | 54                              | 54               |              |                   | 4        | 2,573        |           | 4             | 4                               |          | 7.452             | 4        |
|                         | Total   |           | 1 837   |                       | 1.837    | 2.921  |           | 63                              | 63               |              | -                 | 3        | 3,241        |           | 57.           | 5.                              |          | 0.765             | S        |
|                         | Urban   | <b>}-</b> | 950   |                       | 929      | 1,202  |           | 80                              | 08               |              |                   | 0 0      | 1,388        |           | - 69          | 39                              | ~        | 5206              | Ş,       |
| Loreto                  | Rural   |           | 222   |                       | 222      | 568    |           | 39 -                            | 39               |              |                   |          | 656          |           | 34            | 37                              |          | 1.263             | ų        |
|                         | Total   |           | 1181  |                       | 1.181    | 1.770  |           | 67                              | 67               | : -          | 1                 | 7        | 2,044        |           | 58            | Ś                               | -        | 6,469             | ñ        |
|                         | Lirhan  |           | 1415  |                       | 1.415    | 1.940  | -         | 73                              | 73               |              | :                 | 3        | 2,095        |           | - 89          | - 65                            |          | 8.028             | õ,       |
| Mainit                  | Rint    |           | 1 854   |                       | 1.854    | 2.255  |           | 82                              | 82               | -            |                   | 2        | 2,435        |           | 76            | 26                              |          | 0,809             | %        |
|                         | Total   |           | 3 260   |                       | 3,269    | 4.195  |           | 78 -                            | 78               |              |                   | -<br>    | 4.530        |           | 2             | 1 72                            | -        | 8.837             | 5        |
|                         | 1 Irhan |           | 74.5  |                       | 252      | 1337   |           | 56                              | 56               |              |                   | 0        | 1.342        | :         | *             | ×                               | <br>·    | 3,822             | \$       |
| Malimono                | 1       |           | - 4-137   |                       | - 111    | 400    |           |                                 | 8                |              | •                 |          | 1,414        |           | 80            | - 80                            |          | 5,950             | 8        |
|                         |         |           | 100   |                       | 1000     | 144    | Ļ         | 82                              | 52               |              |                   |          | 2,756        |           | 69            | 69<br>                          | .        | 9.772             | 5        |
|                         | 1001    |           | 1,007   | :                     | 1,007    | 2+/+A  | -         | 22                              | -<br>-           | _            | 1                 | ļ        | 22.11        |           | -             |                                 | -0       | 2                 |          |

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

|                         |                | No. of I | Jousehold Serve<br>Facilities | No. of Household Served by Existing<br>Facilities | xisting          |                |          | Cove          | Coverage in 1997                | 5         |                   |                  |          | ,       | Ś          | Coverage in 2003                | 003          |                   |             |
|-------------------------|----------------|----------|-------------------------------|---|------------------|----------------|----------|---------------|---------------------------------|-----------|-------------------|------------------|----------|---------|------------|---------------------------------|--------------|-------------------|-------------|
| Name of<br>Musicioality | Area           |          | Pour                          |   |                  | No. of         | Percenta | je of Serv    | Percentage of Served Households |           | Served Population | pulation         | No. of   | Percent | age of Sei | Percentage of Served Housebolds | cholds       | Served Population | oulation    |
| free from the           | •              | Flush    | Flush                         | VIE/DIY   | Total            | SHH            | Flush    | Pour<br>Flush | VIIV<br>Vod                     | Total     | Number            | %                | HHs      | Flush   | Flush      | VIIV<br>VIIV                    | Total        | Number            | *           |
| Ĭ                       |                |          | 1001                          |   | 180              | 144            | †        |               |                                 | 88        | 2.014             | 88               | 486      |         | 80         | ·                               | 8            | 2 222             | 8           |
|                         | Urban          |          | 705                           |   | 705              | 1113           | ╏        | 3             |                                 | 63        | 1,442             | 63               | 1,227    | -       | 57         |                                 | 57           | 4,343             | S7          |
| Pilar                   | RUNA<br>T      |          | 100/1                         | T   | 1001             | 1.554          | ŀ        | 2             |                                 | 70        | 3,456             | 70               | 1,713    |         | ક          |                                 | 3            | 6,565             | 8           |
|                         | 1 oral         | T        | 2.072                         |   | 2.072            | 2366           |          | 88            |                                 | 88        | 11,241            | 88               | 2,707    |         | 7          |                                 | F            | 12,875            | 5           |
|                         |                |          | 177                           |   | 175              | 1 803          |          | . 65          |                                 | 65 -<br>5 | 8,303             | 65               | 2,063    |         | 5          |                                 | 5            | Ş.                | 2           |
| r lacer                 | Total          |          | 3.247                         |   | 3.247            | 4.169          |          | - 32          |                                 | 78        | 19,544            | 78               | 4.770    |         | ŝ          |                                 | 8            | 19.519            | 38          |
|                         | Urban          |          | 373                           |   | 373              | 388            |          | - 96          |                                 | 8         | 2,087             | <u>%</u>         | 425      |         | 20<br>20   |                                 | 8 :          | 8 Y 0             | 82          |
| San Renito              | Rura           |          | 158                           |   | 158              | 465            |          | 34            |                                 | Ř         | 739               | 2                | 510      |         | 2          |                                 | 5            | 212               | -           |
|                         | Total          |          | 531                           |   | 531              | 853            |          | 62            |                                 | 53        | 2,826             | 8                | 935      |         |            | T                               | n s          | 2 063             | 5           |
|                         |                |          | 552                           |   | 552              | 827            | -        | 67            |                                 | 6         | 3,76              | 69               | 914      |         | 8          |                                 | 3 3          | 2 N72             | 3           |
| San Francisco (Anao-    |                |          | 888                           |   | 888              | 1.210          | -        | - 73          |                                 | 2         | 2,946             | 3                | 9551     |         | 8          |                                 | 813          | 200.0             | 33          |
| Aon)                    | Total          |          | 044,1,440                     |   | 1,440            | 2.037          |          | - 11 -        |                                 | 7         | 5,650             | 7                | 2,2501   |         | z          | ┦                               | 8 8          | 0,020             | 5 8         |
|                         | Urban          |          | 301                           | 8.  | 301              | 314            |          | - 96          |                                 | ş         | 1,728             | 8                | 3        |         | 2          |                                 |              | 017 6             | 3           |
| San Isidro              | Rural          |          | 575                           |   | 373              | 735            | 4        | 51            |                                 | 51        | 918               | 51               | 63       | T       | ţ.         |                                 | 2 L          | 074.7             | 2 5         |
|                         | Total          |          | 674                           |   | 674              | 1 049          | · · ·    | 64            |                                 | 3         | 2,646             | 2                | 1,183    |         |            | ╎                               | 2            | CDC.+             |             |
|                         | []rhan         |          | 1.966                         |   | 996              | 2.895          |          | - 89          |                                 | 68        | 10,887            | 88               | 2,953    |         | 6          | -                               | 2            | /CT/11            |             |
| San Jose                |                |          | 1 178                         |   | 1.178            | 1.955          | :        | 99<br>99      |                                 | 60        | 9,607             | 3                | 466,1    |         | 56         | -                               | 2            | 101.1             | <u>م</u> از |
|                         | Total          |          | 14                            |   | 3,144            | 4 850          |          | 65            |                                 | 65        | 20,494            | . 65             | 4,947    |         | 3          |                                 | 3            | 207.91            | z I:        |
|                         | Urban          |          | 175                           |   | 175              | 341            |          | 51            |                                 | 51        | 926               | 51               | 368      |         | 48         |                                 | <del>ç</del> | CIV.1             | <b>?</b> [  |
| Santa Monica            | Rug            |          | 556                           |   | 556              | 996            |          | 58            |                                 | 58        | 1,053             | 58               | 1.042    |         | 2          |                                 | n<br>N       | 244/C             | 3           |
| (Sapao)                 | Total          |          | 731                           |   | 167              | 1.307          |          | - 56          |                                 | 56        | 1,979             | \$6              | 1,410    |         | 22         | -                               | 28           | 403               | 35          |
|                         | Urban          |          | 0 <del>4</del> 2              |   | 9 <del>,</del> 5 | 562            |          | - 96          |                                 | 8         | 2,780             | - <del>3</del> 6 | 624      |         | 81         |                                 | i á          |                   | 516         |
| Sison                   | Rural          |          | 946                           |   | 946              | 1 146          |          | 83            | -<br>                           | 83        | 2,404             | 83               | 1,273    |         | 21         |                                 | 4 6          | VI/'C             | ₹ <b>?</b>  |
|                         | Tota           |          | 1,486                         |   | 1,486            | 1 708          | -        | 87            |                                 | 5         | 5,184             | 87               | 1,897    | :       | 2          |                                 | 0            | 1000              | 0<br>1<br>2 |
|                         | Urban          |          | 1.301                         |   | 1,301            | 1,359          |          | 8             |                                 | 96        | 7,464             | 8                | 1,536    |         | 2          | +                               | 83           | 0,442             | 3           |
| Socorro                 | IEINX          |          | 862                           |   | 862              | 1,368          |          | 63            | -                               | 8         | 4.898             | 63               | <u>.</u> |         | 8          |                                 | R 6          | 101 11            | 8           |
|                         | Total          |          | 2,163                         |   | 2,163            | 2,727          | -        | 2             |                                 | 2         | 12.362            | 2                | 190.5    | :       | 2 2        | +                               | 2 5          | ×28 67 .          | Ş           |
|                         | Urban          | 1,921    |                               |   | 7,538            | 13.571         | 4        | 4             | +                               | 2         | 545.45<br>112     |                  | 145'41   | 3       | 2 2        |                                 | 38           | 33 222            | 2           |
|                         | Rural          | 1        |                               |   | 5,845            | 1.309          |          | 8             |                                 |           |                   | 8 3              | 100000   | 0       | 5          |                                 | . 8          | 76.047            | 58          |
| imater                  | Total          | 1.81     | Ξ                             |   | 13,383           | 20,880         | -<br>~   | ន             | +-                              |           | X0.102            | 5 8              | 1 7 1 7  |         | 3          |                                 | F            | 5.281             | 5           |
| 1                       | Croan          |          | 958                           |   | 90X              |                |          | 3 8           |                                 | 48        | 4 087             | 36               | 1444     |         | 65         |                                 | જ            | 5.394             | 65          |
| l agana An              | Kura           |          | 744                           |   | 1000             | 014 0          |          | 78            | ╞                               | - 26      | 8.912             | 36               | 2,661    |         | 12         |                                 | 71           | 10,675            | 1           |
|                         | 1 OUAL         |          | 1,000                         |   | 100              | 30%            | -        | 8             |                                 | 8         | 1.910             | - <u>8</u>       | 4<br>84  |         | 89         |                                 | 68           | 2,135             | 8           |
| T. Anion                | Orban          | -        | CCA                           |   | 207              | N <sub>2</sub> |          | 4             |                                 | ŧ         | 116               | 48               | 976      |         | 43         |                                 | 43           | 2,422             | £3          |
| 1 rogiou                | Total<br>Total | 1        | VCX                           |   | 220              | 1269           |          | 3             |                                 | 65        | 2,827             | - 65             | 1,422    |         | 58 .       |                                 | 8            | 4,557             | 8           |
|                         | I Irhan        |          | 287                           |   | 287              | 295            | †        | 6             |                                 | 97        | 1,480             | 97               | 30F      |         | z          |                                 | 3            | 1,522             | 3           |
| Tubod                   | 1              |          | 1 337                         |   | 1.337            | 1.742          | †-       | F             |                                 | 77        | 1,175             | 77               | 1,795    |         | 74         |                                 | 7            | 6,961             | 2           |
|                         | Total          |          | 1,624                         |   | 1.624            | 2,037          |          | 80            |                                 |           | 2,655             | 80               | 2,099    |         | 17         |                                 | F            | 8,403             | :           |
|                         | Urban          | 1.921    | L                             |   | 29,339           | 41,678         | s        | 8             |                                 | -         | 153,994           | 8                | 45,629   | 4       | 3          |                                 | 3            | 168.34.8          | 88          |
| Provincial Total        | Rura           |          |                               |   | 30,575           | 44,576         |          | 69            |                                 | -         | 154.397           | 8                | 49,197   |         | 3          |                                 | 38           |                   | 3           |
|                         | Total          | 1,921    | 57,993                        |   | 59,914           | 86,254         | 2        | 67            |                                 | -         | 308,391           | 69               | 94,840   | 2       | l o        |                                 | 3            | 1362,040          | 3           |

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

|                           |             | Fublic School 1 ollets                       |        |   |        |   |   |           |                           |   |      |
|---------------------------|-------------|--|--------|---|--------|---|---|-----------|---------------------------|---|------|
|                           | Std. No. of | Coverage i                                   | n 1997 | Coverage in 1997 Coverage in                | 2003   | Cove                                      | Coverage in 1997                                      |           | Cove                      | Coverage in 2003                                      |      |
| Name of<br>Municipalities |             | Total No.<br>of Public<br>School<br>Students | %      | Total No.<br>of Public<br>School<br>Srudent | %      | No. of PU<br>with Toilets<br>in Base Year | No. of PU<br>with Sanitary<br>Toilets in<br>Base Year | %         | No. of PU<br>with Toilets | No. of PU<br>with Samitary<br>Toilets in<br>Base Year | %    |
| Alegria                   | 1,040       | 3.189  | 33     | 3,508                                       | 30     | 1 -                                       |   | 100       | 2                         |   | 8    |
| Bacuag                    | 2,138       | 2,138  | 100    | 2,421                                       | 8      | ;7  | 2   | 100       | 3                         | 2   | 67   |
| Basilisa (Rizal)          | 3.000       | 4,460  | 63     | 5,392                                       | 8      | -   |   | 100       | 7                         | 4   | ß    |
| Burgos                    | 240         | 1,506  | 16     | 935   | প্ল    | Ē   | m   | 100       | m                         | m   | ğ    |
| Cagdianao                 | 2,840       | 2,928  | - 26   | 2,862                                       | 8      | 1   |   | 100       | 63                        |   | ŝ    |
| Claver                    | 3,600       | 3,760  | 96     | 4,149                                       | - 87 - | . 3                                       | e   | 100       | 4                         | ۴ì  | 75   |
| Dapa                      | 480         | 5,631  | 6      | 4,858                                       | 10     | S   | <br>9   | - 00<br>1 | s                         | Ś   | 8    |
| Del Carmen                | 2,156       | 2,156  | 100    | 2,364                                       | Б,     |   |   | 10        | 7                         |   | ŝ    |
| Dinagat                   | 880         | 3,152  | 28     | 2,503                                       | 35 -   | 5   | 5   | 100       | 5                         | 5   | 100  |
| General Luna              | 1,920       | 3,156  | - 61   | 3,528                                       | 54     |   |   | -         | 2                         |   |      |
| Gigaquit                  | 3,009       | 3,009  | 100    | 3.418                                       | 88     | 4   | 4   | 100       | \$                        | 4   | 80   |
| Libjo (Albor)             | 520         | 3,535  | - 15   | 3,910                                       | 13     | 5   | 5   | 100       | 6                         | S   | 83   |
| Loreto                    | 1,458       | 1,458  | 100    | 1,673                                       | - 87 - | 3   | 3   | 100       | 4                         | 3   | 75   |
| Mainit                    | 3.040       | 5,690  | 53     | 6,151                                       | 49     | 4   | 4   | 100       | · 5                       | 4   | 80   |
| Malimono                  | 1,680       | 3,932  | 43     | 3,949                                       | 43     | 8   | 8   | 100       | 6                         | 8   | 89   |
| Pilar and an              | 096         | 1,578  | 61     | 1.752                                       | 55     | 2   | 2   | 100.      | 2                         | 2   | 100  |
| Placer                    | 4,919       | 4.919  | 100    | 5,610                                       | 88     | 3.  | 3   | 100       | 7                         | 3   | 75   |
| San Benito                | 1,600       | 2,301  | 1.02   | 1,499                                       | 107    | 3   | 3   | 100       | 3                         | 3   | 100  |
| San Francisco (Anao-A     | 2,524       | 2,524  | 1001   | 2,799                                       | 90     | 1   | 1   | 100       | 2                         | 1   | 50   |
| San Isidro                | 1.578       | 1.578  | 100    | 1.784                                       | - 88   | 1   | 1   | 100       | 2                         | 1   | 50   |
| San Jose                  |             |  | -      |   |        | 4   | 4   | 100       | 4                         | 4   | 100  |
| Santa Monica (Sapao)      | 640         | 1,365  | 47     | 1,479                                       | 43     | - I                                       |   | 100       | 2                         | 1   | 50   |
| Sison                     | 1,840       | 2,320  | 79     | 2.567                                       | 72     |   | 1   | 100       | 2                         | 1   | 50   |
| Socorro                   | 2,640       | 3,886  | - 89   | 4.382                                       | - 09   | 3 .                                       | 3   | 100       | 3                         | 3   | 100- |
| Surigao City (Capital)    | 20,720      | 32,028                                       | 65     | 32,264                                      | 64     | . 10                                      | 10  | 100       | 10                        | 10  | 60 i |
| Tagana-An                 | 1.040       | 2,775  | 37:    | 3,038                                       | 34     | . 1 .                                     | . 1   | 100       | 2                         | -   | 50   |
| Tubajon                   | 1,320       | 1,869  | 71     | 1.920                                       | 69     | 1   | 1   | 100       | 2                         | -   | S    |
| Tubod                     | 960         | 2,400  | 40     | 2.472                                       | 39 -   | 1   | 1   | 100       | 2                         | I   | 50   |
| D-orderated Total         | CVL 07      |  |        | 110 101                                     |        |   |   |           | -                         |   |      |

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## 8.3 **Projection of Frame Values**

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## 8.3.1 Review of Past Population Development and Population Projection

- (1) Review of past population development
  - 1) Characteristics of past population development

Major statistical data of past population development are shown in Table 8.3.1, in which urban and rural population was adjusted by PPDO to reflect present conditions.

|          | Described     |           | Total     |           |         | Urban     |           |           | Rural     | · .       |
|----------|---------------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|
| Area     | Description   | 1980      | 1990      | 1995      | 1980    | 1990      | 1995      | 1980      | 1990      | 1995      |
| n        | Population    | 2,758,985 | 3,509,753 | 3,938,252 | 748,903 | 1,514,157 | 1,517,068 | 2,010,082 | 1,995,596 | 2,421,184 |
| Region-X | Growth Rate   | 2.44%     |           | 2.33%     | 7.299   | 6         | 0.04%     | -0.07%    | 5         | 3.94%     |
| Surigao  | Population    | 363,414   | 425,978   | 442,203   | 109,422 | 204,304   | 211,645   | 253,992   | 221,674   | 230,558   |
| del      | Growth Rate   | 1.60%     | 5         | 0.75%     | 6.449   | 6         | 0.71%     | -1.35%    | 5 7 7     | 0.79%     |
| Norte    | Percentage 1/ | 13.2%     | 12.1%     | 11.2%     | 14.6%   | 13.5%     | 14.0%     | 12.6%     | 11.1%     | 9.5%      |

Table 8.3.1Past Population Development

Note: 1/ Provincial population percentage to regional population

During the census year from 1980 to 1990 and from 1990 to 1995 which was the latest census year, the following population development was observed:

- The province recorded 1.60% of average annual growth rate (1980-1990) and 0.75% (1990-1995) which were lower than of the region at 2.44%, and 2.33% respectively.
- Percentage of provincial population to the regional population decreased from 13.2% in 1980 to 11.2% in 1995 in accordance with lower growth rates than those of the region.
- 2) 1995 population distribution in urban and rural areas

The 1995 population census results conducted by NSO were reviewed in terms of population distribution to urban and rural areas. In application of revised classification of barangays in urban and rural category to reflect present conditions, the population by municipality was adjusted as shown in Table 8.3.2.

8 - 11

| Municipality             | Total      | 1995 Cer | isus Data | Adjusted I   | Population |
|--------------------------|------------|----------|-----------|--|------------|
|                          | Population | Urban    | Rural     | Urban  | Rural      |
| Alceria                  | 11.764_    | 3.010    | 8.754     | 5.094  | 6.670      |
| Bacuag                   | 12,309     | 5,416    | 6,893     | 8,051  | 4,258      |
| Basilisa (Rizal)         | 24,141     | 504      | 23,637    | 3,002  | 21,139     |
| Burgos                   | 2,785      | 1,402    | 1,383     | 2,140  | 645        |
| Cagdianao                | 11,175     |          | 11,175    | 5,089  |            |
| Claver                   | 14,300     | 6,468    | 7,832     | 7,416  | 6,086      |
| Dapa                     | 16,435     | 6,488    | 9,947     | 11,659   | 6,884      |
| Del Carmen               | 12,316     | 3,330    | 8,986     | 3,330  | 4,776      |
| Dinagat                  | 8,609      | 7,557    | 1,052     | 2,516  | 8,986      |
| General Luna             | 12,554     | 1,748    | 10,806    | 4,461  | <u> </u>   |
| Gigaquit                 | 15,261     | 2,976    | 12,285    |  | 8,093      |
| Libjo (Albor)            | 14,928     | 2,989    | 11,939    | <u> </u>   | 8,936      |
| Loreto                   | 8,048      | 4,634    | 3,414     | the second s | 11,939     |
| Mainit                   | 21,780     | 4,845    | 16,935    | 5,392  | 2,656      |
| Matimono                 | 14,191     | 867      | 13,324    | 9,879  | 11,901     |
| Pilar                    | 8,299      | 1,802    | 6,497     | 6,791  | 7,400      |
| Placer                   | 20,712     | 10,328   | 10,384    | 2,217  | 6,082      |
| San Benito               | 4,498      | 2,110    | 2,388     | 12,204   | 8,508      |
| San Francisco (Anao-Aon) | 10,005     | 1,442    |           | 2,110  | 2,388      |
| San Isidro               | 5,791      | 1,729    | 8,563     | 3,906  | 6,099      |
| San Jose                 | 27,481     | 27,481   | 4,062     | 1,729  | 4,062      |
| Santa Monica (Sapao)     | 7,219      | 1,772    |           | 15,951   | 11,530     |
| Sison                    | 8,853      | 2,797    | 5,447     | 1,772  | 5,447      |
| Socorro                  | 15,208     |          | 6,056     | 2,797  | 6,056      |
| Surigao City (Capital)   | 104,909    | 7,463    | 7,745     | 7,463  | 7,745      |
| Tagana-An                | 12,159     | 46,513   | 58,396    | 68,507   | 36,402     |
| Tubajon                  | 6,155      | 4,106    | 8,053     | 5,502  | 6,657      |
| Tubod                    |            | 2,315    | 3,840     | 1,838  | 4,317      |
| Provincial Total         | 10,318     | 1,515    | 8,803     | 1,515  | 8,803      |
| ALVINGI IVIA             | 442.203    | 153,275  | 595,478   | 211.645  | 230,558    |

 Table 8.3.2
 Population Distribution in Urban and Rural Areas

## (2) Manner of population projection

The latest population study, National and Regional Population Projections was issued by NSO based on 1995 census results including the growth rates and demographic conditions of the respective regions. However, provincial/municipal population has not yet been published by the time of this PW4SP preparation. It seems to be caused by time constraint since the conduct of 1995 Population Census, while the NSO's possible method to be applied for provincial and municipal population projection was confirmed.

As a local based projection, Regional Development Council of Caraga is currently preparing Regional Development Master Plan (1998-2008), however, the population projection has not been concluded yet. In this respect, the possible method of NSO was adopted for this PW4SP. The regional population projected by the NSO was employed 1

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8 - 12

- 1) Population projections for the provinces are first generated based on population projections for the Region X taken from a published volume on regional population projection for the years 1995 to 2020. The regional population is projected based on the 1995 Census of Population
- 2) The ratio method is used for the projection of both provincial and municipal population.
- For the provincial level projections, ratio (R) of the population of the concerned provinces to the population of the region are projected. These ratios are multiplied to the projected population of the region for each projection year.
- Similarly, for the municipal population projections, ratios of the population of the municipalities of each concerned province to the population of the province are projected. These ratios are multiplied to the projected population of the province for each projection year.
- The basic assumption adopted is that for each concerned province, and for each of the municipality in the province, the rate (r) at which the ratios change will gradually decline so that they will all become zero after 50 years from 1995. This implies that stability of the ratios will be attained after 50 years from 1995.
- Based on this assumption, a schedule of ratios of the provinces in the same region, and of the municipalities in the same province is derived for each projection year using the formula:

$$R(k) = R(0) \prod_{k=1}^{k} (1 + r - kr / 50)$$

where; R(k) = ratio in kth year from 1995 of the population of the province to that of the region or of the population of the municipality to that of the province

- ratio in 1995 of the population of the province to that of R(0) =the region or of the population of the municipality to that of the province
  - initial rate of change of the ratio  $\mathbf{r} =$

k ≃ "k"th year from 1995

The initial rate of the change is derived based on the levels and trends of the ratios observed in the 1970, 1980 and 1995 censuses.

- The initial rate of the change is derived based on the levels and trends of the ratios observed in the 1970, 1980 and 1995 censuses.
- A geometric formula for calculating the rate at which the ratio changes is adopted, that is, r is equal to  $(\ln(P_2/P_1))/n$ , where P<sub>2</sub> is the ratio in Year<sub>2</sub>, P<sub>1</sub>, in Year<sub>1</sub>, and n is the number of years between Year<sub>1</sub> and Year<sub>2</sub>. Thus for instance, for the intercensal period 1970-1980, the rate of change in the ratio is equal to  $\ln(P_{1980}/P_{1970})$ .
- 3) In the present application(r), the concerned provinces and municipalities are classified into following four types based on the trends of their ratios as observed in the censuses of 1970, 1980, 1990 and 1995:
  - Type I provinces/municipalities that showed unidiretional trend in their ratios, that is, consistently increasing or decreasing from 1970 to 1995 (r is positive or negative for intercensal periods 1970-1980, 1980-1990 and 1990-1995;
  - Type II provinces/municipalities that showed unidirectional trend in their ratios only from 1980 to 1995 (r is positive or negative for the last two intercensal periods only, that is, 1980-1990 and 1990-1995);
  - Type III provinces/municipalities that showed unidirectinal trend in their ratios only from 1970 to 1990 (r is positive or negative for the first two intercensal periods only, that is 1970-1980 and 1980-1990);
  - Type IV provinces/municipalities with erratic trends.

In general, the initial rate to be used for each type of province or municipality is determined according to the following criteria.

- For a type I province or municipality, the initial rate is equal to the lowest observed annual rate change in the ratio or the lower of the average annual rates observed during the 1980-1990 and 1990-1995 periods, whichever produces a more demographically probable result;
- For a type II province or municipality, the initial rate is equal to the lower of the average annual rates observed during 1980-1990 and 1990-1995 periods;
- For a type III province or municipality, the initial rate is equal to one-half of the average annual rate during the period 1990-1995; and

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The province of Surigao del Norte is classified as "type II" based on the past level and trend of ratios of change, and initial rate of change was estimated at -0.008. While, those of the municipalities were established as shown below.

| Municipality     | Initial Ratio | Municipality             | <u>Initial Ratio</u> |
|------------------|---------------|--------------------------|----------------------|
| Alegria          | 0.00049       | Malimono                 | -0.00853             |
| Bacuag           | 0.00269       | Pilar                    | 0.00024              |
| Basilisa (Rizal) | 0.00864       | Placer                   | 0.00361              |
| Burgos           | 0.00067       | San Benito               | -0.00026             |
| Cagdianao        | -0.00373      | San Francisco (Anao-Aon) | 0.00046              |
| Claver           | 0.00062       | San Isidro               | 0.00232              |
| Dapa             | -0.00568      | San Jose                 | -0.00697             |
| Del Carmen       | 0.00015       | Santa Monica (Sapao)     | -0.0017              |
| Dinagat          | -0.00446      | Sison                    | 0.00094              |
| General Luna     | 0.00168       | Socorro                  | 0.00248              |
| Gigaquit         | 0.00266       | Surigao City (Capital)   | 0.00016              |
| Libjo (Albor)    | 0.00088       | Tagana-An                | 0.00005              |
| Loreto           | 0.00442       | Tubajon                  | 0.00180              |
| Mainit           | -0.00158      | Tubod                    | -0.00602             |

#### (3) Present population (1997)

<u>.</u>

The present population of the province including municipalities was estimated in application of the initial rates of change as mentioned above. This means that the trend of past population development is assumed to have been prevailing up to the present. Household size in 1997 was also assumed to be the same as that in 1995.

## (4) Projection of provincial population by target year

Review of provincial population projected by target year applying aforementioned method, as shown in Table 8.3.3, revealed that the future provincial population also reflected the discounted growth rate, which is same as regional population projection.

- Population in 2003 is resulted from average annual growth rate of 1.59 % (1995-1998) and 1.58 % (1998-2003).
- Population in 2010 with the base year of 2003 is resulted from average annual growth rate of 1.38 % (2003-2010).
- Present profile of municipal population distribution both in urban and rural areas is assumed to prevail through the future.
- Household size in the year 2003 is assumed to be the same as the 1995 population census results, while that in the year 2010 is assumed to be 4 persons/household for the whole province in accordance with the target of the national family planning.

- Population in 2010 with the base year of 2003 is resulted from average annual growth rate of 1.38 % (2003-2010).
- Present profile of municipal population distribution both in urban and rural areas is assumed to prevail through the future.
- Household size in the year 2003 is assumed to be the same as the 1995 population census results, while that in the year 2010 is assumed to be 4 persons/household for the whole province in accordance with the target of the national family planning.

|             |                | Gro            | wth Rate      | : (%)          |                | Population | and Provin | cial Share in th | e Region  |
|-------------|----------------|----------------|---------------|----------------|----------------|------------|------------|------------------|-----------|
| Area        | 1000           | 1001           |               |                |                | 1995       | 1997       | 2003             | 2010      |
|             | 1980 -<br>1990 | 1991 –<br>1995 | 1995-<br>1998 | 1998 -<br>2003 | 2003 -<br>2010 | NSO Census | Base Year  | Medium Term      | Long Term |
|             | 2.44           | 2.33           | 2.49          | 2.30           | 2.02           | 3,938,252  | 4,139,703  | 4,955,545        | 5,465,272 |
| Region X    |                | (4.5)          | 6.9           | (7.6)          | (12.2)         |            | ·          | ·                |           |
| Surigao del | 1.60           | 0.75           | 1.59          | 1.58           | 1.38           | 442,203    | 456,018    | 501,512          | 552,184   |
| Norte       |                |                |               | ·              |                | 11.2%      | 11.0%      | 10.1%            | 10.1%     |

Table 8.3.3Growth Rates and Population Projection for Target Years:Region and Province

Note: ( ) shows percentage of growth rate decline from the previous period.

Table 8.3.4 shows provincial population by urban and rural area for the target years and the year 1995. Table 8.3.5 presents projected number of households for the target years.

| Area       | Population/<br>Composition | 1995    | 1997    | 2003    | 2010    |
|------------|----------------------------|---------|---------|---------|---------|
| Total      | Population                 | 442,203 | 456,018 | 501,512 | 552,184 |
| Urban Area | Population                 | 211,645 | 217,939 | 238,672 | 261,594 |
|            | Composition (%)            | 48      | 48      | 48      | 47      |
| Rural Area | Population                 | 230,558 | 238,079 | 262,839 | 290,591 |
|            | Composition (%)            | 52      | 52      | 52      | 53      |

 Table 8.3.4
 Provincial Population for Target Years

|                          |       | University Size |       |        |          |             |        | Z      | umber of F | Number of Households |         |        |              |                    |          |
|--------------------------|-------|-----------------|-------|--------|----------|-------------|--------|--------|------------|----------------------|---------|--------|--------------|--------------------|----------|
| Name of Municinality     |       | 1995            | 3     |        | 1995     |             |        | 1997   |            |                      | 2003    |        |              | 2010               |          |
| Supplicements to attract | Urban | Rural           | Total | Urban  | Rural    | Total       | Urban  | Rural  | Total      | Urban                | Rural   | Total  | Urban        | Rural              | Total    |
| . La crista<br>La crista | 00 y  | \$ 44           | 5.63  |        | 1.227    | 2.091       | 892    | 1,267  | 2,159      | 986                  | 1,400   | 2,386  | 1,606        | 2,103              | 3,705    |
| August<br>Bacust         | 5 50  | 6.14            | 5.77  | 140    | 69       | 2 133       | 1,502  | 723    | 2,225      | 1,701                | 819     | 2,520  | 2,690        | 1,423              | 4,113    |
| Basilisa (Rizal)         | 5.65  | 5.54            | 5.55  | 531    | 3.817    | 4,348       | 568    | 4.079  | 4,647      | 689                  | 4,946   | 5,635  | 1,179        | 8,300              | 6479     |
| Burans                   | 4 83  | 5.38            | 4.95  | 4      | 120      | <u>5</u> 63 | 458    | 124    | 582        | 507                  | 137     | 48     | 678          | 50                 | 83<br>83 |
| Tedianao                 | 4.88  | 5.09            | 5.00  | 1.042  | 1.195    | 2,237       | 1,060  | 1,215  | 2,275      | 1,118                | 1,283   | 2,401  | 1.440        | 1,722              | 3,162    |
| laver -                  | 5.03  | 5.02            | 5.02  | 1.475  | 1.371    | 2,846       | 1.524  | 1,418  | 2,942      | 1,687                | 1,569   | 3,256  | 2,346        | 2,178              | 4,524    |
| Jana                     | 4.90  | 5.06            | 4.95  | 2,377  | <u>8</u> | 3,320       | 2,400  | 952    | 3,352      | 2,481                | 984     | 3,465  | 3,141        | 1287               | 4,428    |
| Del Carmen               | 5.12  | 5.20            | 5.17  | 651    | 1.729    | 2,380       | 11/9   | 1,783  | 2,454      | 739                  | 1,963   | 2,702  | 1,041        | 2,808              | 3,849    |
| Dinacat                  | 4.88  | 5.12            | 5.05  | 516    | 1,189    | 1,705       | 523    | 1,206  | 1,729      | S47                  | 1,263   | 1,810  | 669          | 1,692              | 2,391    |
| General Luna             | 5.04  | 5.40            | 5.27  | 885    | 1,499    | 2,384       | 616    | 1.556  | 2.475      | 1,029                | . 1,742 | 2,771  | 1,451        | 2.632              | 4,083    |
| straduit                 | 5.42  | 5.46            | 5.44  | 1,168  | 1,636    | 2,804       | 1.217  | 1 706  | 2,923      | 1,377                | 1,932   | 3,309  | 2,111        | 2,983              | 5,094    |
| ihio (Albor)             | 5.14  | 5.33            | 5.29  | 581    | 2,239    | 2,820       | 602    | 2.319  | 2,921      | 668                  | 2.573   | 3.241  | 952          | 3,802              | 4,754    |
| oreto                    | 4.71  | 4.91            | 4.77  | 1,145  | 541      | 1.686       | 1.202  | 568    | 1,770      | 1.388                | 656     | 2,Q44  | 1,886        | 626                | 2,815    |
| Mainit                   | 5.22  | 5.41            | 5.33  | 1,892  | 2,198    | 4,090       | 1,940  | 2,255  | 4,195      | 2,095                | 2,435   | 4,530  | 2,952        | 3,556              | 6,508    |
| Valimono                 | 5.07  | 5.24            | 5.16  | 1,339  | 1,412    | 2,751       | 1,337  | 1,409  | 2.746      | 1,342                | 1,414   | 2,756  | 1,706        | 1,859              | 3,565    |
| Alar                     | 5.19  | 5.64            | 5.51  | 427    | 1.079    | 1.506       | 441    | 1.113  | 1.554      | 486                  | 1,227   | 1,713  | ŝ            | 1.905              | 2,600    |
| Placer .                 | 5.40  | 4.94            | 5.20  | 2.258  | 1.722    | 3.980       | 2,366  | 1,803  | 4,169      | 2,707                | 2,063   | 4,770  | 4,180        | 2,914              | 7.08     |
| San Benito               | 5.60  | 5 29            | 5.43  | 377    | 451      | 828         | 388    | 465    | 853        | 425                  | 510     | 935    | 652          | 738                | 1,390    |
| San Francisco (Anao-Aon) | 4 88  | 5.21            | 5.07  | 801    | 1.171    | 1 972       | 827    | 1.210  | 2,037      | 914                  | 1,336   | 2,250  | 1,231        | 1.922              | 3,153    |
| San Isidro               | 5.73  | 5.75            | 5.74  | 302    | 707      | 1 009       | 314    | 735    | 1.049      | 354                  | 829     | 1.183  | 572          | 1345               | 1,916    |
| San Jose                 | 5.53  | 5.92            | 5.69  | 2,884  | 1,948    | 4,832       | 2,895  | 1 955  | 4,850      | 2,953                | 1,994   | 4,947  | 4,163        | 3,009              | 7,172    |
| Santa Monica (Sanao)     | 5.32  | 5.78            | 5.8   | 333    | 942      | 1,275       | 341    | 996    | 1,307      | 368                  | 1,042   | 1,410  | 238          | 1.62               | 2.151    |
| Sison                    | 5.15  | 5.47            | 5.36  | 543    | 1,108    | 1,651       | 562    | 1,146  | 1,708      | 624                  | 1,273   | 1,897  | 892          | 1,932              | 2,824    |
| Socorm                   | 5.72  | 5.90            | 5.81  | 1.305  | 1.313    | 2,618       | 1,359  | 1,368  | 2,727      | 1.536                | 1.545   | 3,081  | 2,479        | 2,573              | 5.052    |
| Surreao City (Capital)   | 5.21  | 5.14            | 5.18  | 13,160 | 7,080    | 20,240      | 13,571 | 7,309  | 20,880     | 14,94]               | 8,047   | 22,988 | 21,412       | 11,378             | 32.790   |
| Tagana-An                | 5.13  | 5.23            | 5.19  | 1,072  | 1,273    | 2,345       | 1.106  | 1,313  | 2,419      | 1,217                | 444     | 2,661  | 1,715        | 2,075              | 06/19    |
| Tubajon                  | 4.80  | 5.15            | 5.04  | 383    | 839      | 1,222       | 398    | 871    | 1.269      | 4<br>8               | 976     | 1,422  | 8            | 20 <del>4</del> ,1 | 2,00%    |
| Tubod                    | 5.17  | <u>5.09</u>     | 5.10  | 293    | 1,729    | 2,022       | 295    | 1,742  | 2.037      | 304                  | 1,795   | 2,099  | <del>2</del> | 765'7              | /с/'7    |
| Provincial Total         | 5.23  | 5.34            | 5.29  | 40.487 | 43.171   | 83,658      | 41.678 | 44.576 | 86.254     | 45,629               | 49.197  | 94.826 | 65,402       | 72.651             | 22.023   |

Table 8.3.5 Projected Number of Households by Urban and Rural Area by Municipality by Target Year

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8 - 17

| -                        |                          |         | 1001                 |             |                      |                          |         | 2003                  |            |                        |            |         | 2010                  |            |                        |
|--------------------------|--------------------------|---------|----------------------|-------------|----------------------|--------------------------|---------|-----------------------|------------|------------------------|------------|---------|-----------------------|------------|------------------------|
|                          |                          | Total E | Total Enrollment     | Public Sch. | blic Seb. Enrollment |                          | Total E | Total Enrollment      | Public Sch | Public Sch. Enrollment |            | Total E | Total Enrollment      | Public Sch | Public Sch. Enrollment |
| Name of Municipality     | School Age<br>Population | Number  | Participadon<br>Rate | Number      | _                    | School Age<br>Population | Number  | Participation<br>Rate | Number     | Participation<br>Rate  | Population | Number  | Participation<br>Rate | Number     | Participation<br>Rate  |
| Alerria                  | 3.414                    | 3.374   | 8                    | 3,189       | 8                    | 3.772                    | 3.734   | 8                     | 3,508      |                        | 4,165      | 3,957   | 8                     | 3,749      | 8                      |
| Bacuag                   | 3.239                    | 2.559   | 2                    | 2,138       | 8                    | 3,668                    | 2,898   | 79                    | 2,421      | 66                     | 4,151      | 2,906   | 70                    | 2,698      | 65<br>65               |
| Basilisa (Rizal)         | 6.841                    | 4.460   | 23                   | 4.460       | 3                    | 8,296                    | 5,392   | 65                    | 5,392      | 59                     | 10,052     | 7,036   | 70                    | 7.036      | 70                     |
| Bures                    | 8448                     | 1.506   | 178                  | 1,506       | 178                  | 235                      | 935     | 100                   | 935        | 100                    | 1,035      | 983     | 8                     | 080        | 8                      |
| Cagdianao                | 2.712                    | 2.928   | 108                  | 2,928       | 108                  | 2,862                    | 2,862   | 100                   | - 2,862    | -100                   | 3,019      | 2,868   | 95                    | 2,868      | 8                      |
| Claver                   | 4,076                    | 4.054   | 8                    | 3,760       |                      | 4.510                    | 4,465   | 66                    | 4,149      | 20                     | 4,988      | 4,739   | 95                    | 4,489      | 8                      |
| Dapa                     | 4,700                    | 5.631   | 120                  | 5,631       | 120                  | 4,858                    | 4,858   | - 100                 | 4,858      | 100                    | 5,020      | 4,769   | 95                    | 4,769      | 8                      |
| Del Carmen               | 3.767                    | 2.156   | 57 -                 | 2,156       | 22                   | 4,147                    | 2,364   |                       | 2,364      |                        | 4,562      | 2,965   | 65                    | 2,965      | 8                      |
| Dinagat                  | 2,390                    | 3.573   | 149                  | 3,152       | 132                  | - 2,503                  | 2,503   | 100                   | 2,503      | 100                    | - 2,620    | . 2,489 | 95                    | 2,489      | 95                     |
| General Luna             | 3,890                    | 3.156   | 81                   | 3,156       | 81                   | 4,356                    | 3,528   | 81                    | 3,528      | 81                     | 4,874      | 4,143   | 85                    | 4,143      | 3                      |
| Gigaquit                 | 4.506                    | 3,233   | r<br>r               | 3,009       | - <u>-</u> 29        | 5,101                    | 3,673   | u<br>u                | 3,418      | . 42                   | 1/1/5      | 4,328   | 75                    | 4,040      | - 20                   |
| (Libio (Albor)           | 4.297                    | 3.535   | 82                   | 3.535       | 82                   | 4,768                    | 3.910   | 23                    | 3,910      | - 82                   | 5,288      | 4,495   | 85                    | 4,495      | 85                     |
| Lareto                   | 2.300                    | 1.663   | 2                    | 1,458       | 63                   | 2,656                    | 1,912   | z                     | 1,673      | 3                      | 3,065      | 1,992   | . 65                  | 603'1      | 8                      |
| Mainit                   | 6.546                    | 6.340   | 57                   | 5,690       | 87                   | 7.070                    | 6,858   | 26                    | . 6,151    | - 23                   | 7,632      | 6,869   | 8                     | 6,106      | . 80                   |
| Malimono                 | 4,231                    | 3.932   | 53                   | 3,932       | 93                   | 4 246                    | 3,949   | 200 <b>- 20</b> - 20  | 3,949      |                        | 4,261      | 4,048   | 95 ·                  | 4,048      | - 95                   |
| Pilar                    | 2.484                    | 1.578   | 28                   | 1.578       | 2                    | 2.737                    | 1,752   | 3                     | 1,752      | 2                      | 3,014      | 2,110   | 70                    | 2,110      | 2                      |
| Placer                   | 5.699                    | 5.150   | 8                    | 4,919       | 86                   | 6.523                    | 5.871   | 8                     | 5,610      | 98                     | 1,460      | 6,714   | 06                    | 6,341      | 85                     |
| San Benito               | 1.368                    | 2 301   | 1                    | 2.301       | 168                  | 1 499                    | 1,499   | 81                    | 1 499      | .001                   | 1,642      | 1,560   |                       | 1,560      | \$                     |
| San Francisco (Anao-Aon) | 2.816                    | 2 719   | 97                   | 2.524       | 8                    | 3,110                    | 3,017   |                       | 2,799      |                        | 3,434      | 3,262   | 95                    | 2,919      | - 85                   |
| San Isidm                | 1 797                    | 1.578   | 88                   | 1.578       | 88                   | 2,027                    | 1,784   | 88                    | 1.784      |                        | 2,284      | 2,056   | 8                     | 2.056      | 8                      |
| San Jose                 | 5,175                    |         |                      | •           |                      | 5.278                    |         |                       |            | and the second         | 5,382      |         |                       |            |                        |
| Santa Monica (Sapao)     | 2,046                    | 1 365   | 67                   | 1,365       | 67                   | 2.207                    | 1 479   | . 67                  | 1,479      | 67                     | 2,380      | 1,666   | 20                    | -1.666     | 2                      |
| Sison                    | 2,656                    | 2,320   | 87                   | 2,320       | ·· 87 ··             | 2,950                    | 2,567   | 87                    | 2,567      | . 87 :                 | 3.274      | 3,110   | st <b>95</b>          | 3,110      | - 95                   |
| Socotto                  | 4,673                    | 3,886   | 8                    | 3,886       |                      | 5.279                    | 4,382   | 83                    | 4,382      | 83                     | 5,960      | 5,066   | 85 .                  | 5.066      | æ                      |
| Sungao City (Capital)    | 29,306                   | 36.228  | 124                  | 32,028      | 109 11               | 32.264                   | 40,007  | 124                   | 32.264     | 100                    | 35,500     | 33,725  | - <b>3</b> 6          | 31,950     | :<br>8                 |
| Tagana-An                | 3,454                    | 2,775   | 80                   | 2,775       |                      | 3, 798                   | 3,038   | 80                    | 3.038      | 80                     | 4,174      | 3,548   |                       | 3,548      | : 85                   |
| Tubajon                  | 1.713                    | 1,869   |                      | 1,869       | 109                  | 1,920                    | 1,920   | 100                   | 1,920      | 100                    | 2,151      | 2,043   | 8                     | 2,043      | 8                      |
| Tubod                    | 2,857                    | 2,400   | 84                   | 2,400       | 84                   | 2,943                    | 2,472   | 26                    | 2,472      | 84                     | 3,031      | 2,728   | 8                     | 2,728      | 8                      |
| Provincial Total         | 123.797                  | 116.269 | 2                    | 109.243     | 88                   | 136,283                  | 123,629 | 16                    | 113,187    | 83                     | 150,189    | 126.175 | 84 -                  | 121.814    | 81                     |

## 8.3.2 School Enrollment Projection

Table 8.3.6 Projected School Enrollment by Municipality by Target Year

8 - 18

## 8.3.3 **Projection of the Number of Public Utilities**

|                         |   | 1997                       | 2003                                  | }             | 201                                   | 0        |
|-------------------------|---|----------------------------|---------------------------------------|---------------|---------------------------------------|----------|
| Name of<br>Municipality | Туре  | No. of Public<br>Utilities | Proposed<br>Construction              | Total         | Proposed<br>Construction              | Total    |
|                         | Public Market                                     |                            |                                       | 1             |                                       | <u> </u> |
| Alegria                 | Bus/Jeepney Terminal<br>Parks/Playground          |                            | 1                                     | 1             |                                       | 1        |
|                         | Total   |                            |                                       |               | ]                                     | 1        |
|                         | Public Market                                     |                            |                                       | 2             | <b>I</b>                              | 3        |
|                         | Bus/leenney Terminal                              | 4 4                        | 1                                     |               |                                       |          |
| Bacuag                  | Bus/Jeepney Terminal<br>Parks/Playground          | +                          | ·····                                 |               |                                       | 1        |
|                         | Total<br>Public Market                            | 2                          | 1                                     | 3             | · · · · · · · · · · · · · · · · · · · | 4        |
|                         |   | 1                          |                                       | <u> </u>      | · · · · ·                             | 1        |
| Basilisa (Rizal)        | Bus/Jeepney Terminal                              |                            |                                       |               |                                       |          |
|                         | Parks/Playground                                  |                            | 1                                     | 1             |                                       | 1        |
|                         | Total<br>Public Market                            | 1                          | 1                                     | 2             |                                       | 2        |
|                         | Public Market                                     | 1                          |                                       | 1             | ·····                                 | l        |
| Burgos                  | Bus/Jeepney Terminal<br>Parks/Playground          | 2                          |                                       | 2             |                                       | 2        |
|                         | Total   | 3                          | <b> </b>                              | 3             |                                       | 3        |
|                         | Public Market                                     |                            |                                       | <u> </u>      |                                       |          |
|                         | Bus/Jeepney Terminal                              | ·                          |                                       | <u>}</u>      |                                       |          |
| Cagdianao               | Bus/Jcepney Terminal<br>Parks/Playground          |                            | 1                                     | 1             |                                       | 1        |
|                         | Total<br>Public Market                            | 1                          | 1                                     | 2             |                                       | 2        |
|                         | Public Market                                     |                            |                                       | 1             |                                       | 1        |
| Claver                  | Bus/Jeepney Terminal                              |                            | 1                                     | 2             |                                       | 2        |
|                         | Parks/Playground<br>Total                         | 1                          | <b>_</b>                              |               |                                       | 1        |
|                         | Public Market                                     | 3                          | 1                                     | 4 2           | ļ                                     | 4        |
|                         | Bus/leenney Terminal                              | 2                          |                                       | $\frac{2}{2}$ | <u> </u>                              | 2        |
| Dapa                    | Bus/Jeepney Terminal<br>Parks/Playground<br>Total |                            |                                       | <u> </u>      | ł                                     |          |
| 2                       | Total   | 5                          | <b></b>                               | 3             |                                       | 3        |
|                         | Public Market                                     | 1                          |                                       | 1             | 1                                     | †        |
| Del Carmen              | Bus/Jeepney Terminal                              |                            |                                       | 1             |                                       |          |
| Der Carmen              | Parks/Playground                                  |                            | 1                                     | 1             |                                       | 1        |
|                         | Total   | 11                         | 1                                     | 2             |                                       | 2        |
|                         | Public Market                                     | l                          | · · · · · · · · · · · · · · · · · · · | 1             | <u> </u>                              | 2        |
| Dinagat                 | Bus/Jeepney Terminal<br>Parks/Playground          | 4                          | ł                                     | 4 * *         |                                       | ļ,       |
|                         | Total   | 5                          |                                       | 5             |                                       | 4        |
|                         | Public Market                                     |                            | <u> </u>                              | <u> </u>      | <u> </u>                              | <u> </u> |
|                         | Bus/Jeconey Terminal                              |                            | -                                     | 1             |                                       | ·        |
| General Luna            | Parks/Playground                                  |                            | 1                                     | 1             |                                       | 1        |
|                         | Total   |                            | 2                                     | 2             |                                       | 2        |
|                         | Public Market                                     | 1                          |                                       | 1             |                                       | 1        |
| Gigaquit                | Bus/Jeepney Terminal                              |                            | 1                                     |               | <b></b>                               | 1        |
|                         | Parks/Playground<br>Total                         | 4                          | ļ                                     | 3             |                                       | 3        |
| · · · · · ·             | Public Market                                     |                            |                                       | 5             |                                       | 5        |
|                         | Bus/Jeepney Terminal                              | -                          |                                       | ·             |                                       | <u> </u> |
| Libjo (Albor)           | Parks/Playground                                  | 5                          |                                       | 5             |                                       | 3        |
|                         | Total   |                            | 1                                     | 6             | -                                     | 6        |
|                         | Public Market                                     | 1                          | 1                                     | 1             | _ <u></u>                             | 1        |
| Loreto                  | Bus/Jeepney Terminal                              |                            | <u> </u>                              |               |                                       |          |
|                         | Parks/Playground                                  | 2                          | 1                                     | 3             |                                       | 3        |
|                         | Total   | 3                          | 1                                     | 4             |                                       | 4        |
|                         | Public Market                                     |                            | <b>_</b>                              | 1             | 1                                     | 2        |
| Mainit                  | Bus/Jeepney Terminal                              | 3                          | <b></b>                               | 3             |                                       | 3        |
|                         | Parks/Playground<br>Total                         | 4                          |                                       | 1 5           | <u> </u>                              | 1        |
| L                       |   | <u>.l, </u>                |                                       | <u> </u>      | <u> </u>                              | 6        |

## Table 8.3.7 Projected Number of Public Utilities by Municipality by Target Year

|                         |  | 1997                                  | 2003                                  |  | 2010   | · · · · · · · · · · · · · · · · · · · |
|-------------------------|--|---------------------------------------|---------------------------------------|--|--|---------------------------------------|
| Name of<br>Municipality | Туре                                     | No. of Public<br>Utilities            | Proposed<br>Construction              | Total  | Proposed<br>Construction                     | Total                                 |
|                         | Public Market                            | <u> </u>                              |                                       | 1  |  |                                       |
| Malimono                | Bus/Jeepney Terminal                     | 1 1                                   |                                       | <u>     i                               </u> |  |                                       |
| Manthouv                | Parks/Playground                         | 6                                     | 1                                     | 7  |  |                                       |
|                         | Total                                    | 8                                     | 1                                     | 9  |  |                                       |
|                         | Public Market                            | 1                                     |                                       | 1  |  | <u>i</u>                              |
| Pilar                   | Bus/Jeepney Terminal<br>Parks/Playground |                                       |                                       |  |  |                                       |
|                         | Total                                    | 1                                     |                                       | 1  |  | 1                                     |
|                         | Public Market                            | 2                                     |                                       | 2  |  | 2                                     |
|                         | Bus/Jeepney Terminal                     | 1 2                                   |                                       | <u> </u>                                     |  |                                       |
| Placer                  | Parks/Playground                         | 2                                     |                                       | 2  | <u> </u>                                     | 2                                     |
|                         | Total                                    |                                       |                                       | 4  |  | 2                                     |
|                         | Public Market                            | <u>+</u>                              |                                       | 4  | I  | 5                                     |
| San Benito              | Bus/Jeepney Terminal                     | 1                                     |                                       | ····   | ╂━┈╼━─┟╸                                     | <del> </del>                          |
| San Denno               | Parks/Playground                         | +i                                    |                                       |  | ╂───────                                     | ······                                |
|                         | Total                                    | <u>;</u>                              | · · · ·                               |  | <b>∤</b>                                     | 3                                     |
|                         | Public Market                            | 1                                     |                                       | —ī—  | ╂╍╍╍╍╌╌╏╸                                    |                                       |
| San Francisco           | Bus/Jeepney Terminal                     |                                       | 1                                     | <u>i</u>                                     | ╂━━━━━╂                                      | <u> </u>                              |
| (Anao-Aon)              | Parks/Playground                         |                                       |                                       |  | 1+   |                                       |
| ····                    | Total                                    | 1                                     | 1                                     | 2  | 1 1  |                                       |
|                         | Public Market                            | 1                                     |                                       | <u>[</u>                                     |  |                                       |
| San Isidro              | Bus/Jeepney Terminal                     |                                       |                                       |  |  |                                       |
|                         | Parks/Playground                         |                                       | 1                                     | 1  |  | 1                                     |
| ·                       | Total<br>Public Market                   | 1                                     | 1                                     | 2  |  | 2                                     |
|                         |  | 2                                     |                                       | 2  |  | 2                                     |
| San Jose                | Bus/Jeepney Terminal<br>Parks/Playground |                                       |                                       |  |  |                                       |
|                         | Total                                    | 2                                     |                                       | 2  |  | 2                                     |
|                         | Public Market                            | 4                                     |                                       | 4  |  | 4                                     |
| Santa Monica            | Bus/Jeepney Terminal                     |                                       | — <del></del>                         |  | ·  | <u>l</u>                              |
| (Sapao)                 | Parks/Playground                         |                                       |                                       | <u>l</u>                                     |  | <u> </u>                              |
| ()                      | Total                                    | · · · · · · · · · · · · · · · · · · · |                                       | 2  |  | A                                     |
|                         | Public Market                            | - <del> </del>                        |                                       | <u>-</u>                                     | · · · · · · · · · · · · · · · · · · ·        | 2                                     |
| Sison                   | Bus/Jeepney Terminal                     | ··                                    | 1                                     | i  |  | <u>I</u>                              |
| 315011                  | Parks/Playground<br>Total                |                                       |                                       | •  | f  | l                                     |
|                         |  |                                       | 1                                     | 2  |  | 3                                     |
|                         | Public Market                            | 2                                     |                                       | 2  | · · ·  | 2                                     |
| Ѕосопо                  | Bus/Jeepney Terminal                     |                                       |                                       | ·  |  | <b>-</b>                              |
|                         | Parks/Playground                         | 1 1                                   |                                       | 1  | 1  | <u> </u>                              |
|                         | Total                                    | 3                                     |                                       | 3  |  | 3                                     |
| Surigao City            | Public Market                            | 6                                     |                                       | 6  |  | 6                                     |
| (Capital)               | Bus/Jeepney Terminal<br>Parks/Playground | 2                                     |                                       | 2  |  | 2                                     |
| Capital                 | Total                                    | 2                                     |                                       | 2  |  | 2                                     |
|                         | Public Market                            | 10                                    |                                       | 10   |  | 10                                    |
| <b>T</b> .              | Bus/Jeepney Terminal                     |                                       |                                       | 1  | ·  | 1 -                                   |
| Tagana-An               | Parks/Playground                         |                                       | i .                                   | 11   | ┨───────────                                 | 1                                     |
|                         | Total                                    | +                                     |                                       | 2  |  |                                       |
|                         | Public Market                            | - <del> </del>                        |                                       |  | I  | 3                                     |
| Tubajon                 | Bus/Jeepney Terminal                     | -t                                    | · · · · · · · · · · · · · · · · · · · |  | ╉──────╁                                     | <u> </u>                              |
| rubajuit                | Parks/Playground                         | 1                                     | · 1··                                 | 1  | ╆━───┼                                       |                                       |
|                         | Total                                    | 1                                     | <u> </u>                              | 2  | ╉───────────                                 |                                       |
|                         | Public Market                            | 1                                     |                                       | 1  | ╉╍╍───┤                                      |                                       |
| Fubod                   | Bus/Jeepney Terminal                     |                                       | 1                                     | <u> </u>                                     | ╏───┤  | <u> </u>                              |
|                         | Parks/Playground                         |                                       | · · · ·                               |  | <u>†                                    </u> |                                       |
|                         | Total                                    |                                       | 1                                     | 2  | <u> </u>                                     | 3                                     |
|                         | Public Market                            | 35                                    | 2                                     | 37   | 2  | 39                                    |
| <b>Provincial Total</b> | Bus/Jeepney Terminal                     | 12                                    | 9                                     | 21   | <u> </u>                                     | 21-                                   |
|                         | Parks/Playground<br>Total                | 31                                    | 10                                    | 41   | 7  | 48                                    |
|                         |  | 78                                    | 21                                    | - 99   | 9  | 108                                   |

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## 8.4 Types of Facilities and Implementation Criteria

#### 8.4.1 Water Supply

- (1) Urban water supply
  - 1) Untapped spring

First priority is given to seek for utilization of untapped spring with large discharge capacity. During the course of PW4SP preparation, various untapped spring sources have been identified. Considerably large scale untapped spring sources having discharge capacity of more than 100 cu.m/day are then selected as potential water sources and rapidly evaluated as shown in Table 8.4.1.

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|                         |                                   | Untap                  | ed Spr         | ing             |                       | Population                      | Population                           | * 1              |                 |       |
|-------------------------|-----------------------------------|------------------------|----------------|-----------------|-----------------------|---------------------------------|--------------------------------------|------------------|-----------------|-------|
| Nane of<br>Municipality | Location<br>(Name of<br>Barangay) | Disch<br>Cap:<br>(cu.m | acity<br>Vday) | Elev.<br>Diffr. | Dist.<br>from<br>Mun. | can be<br>Served by<br>Untapped | Existing<br>Sup<br>System/Fa<br>Base | oly<br>wility in | Future<br>Popul |       |
|                         |                                   | 100%                   | 70%            | (m)             | (km)                  | Spring                          | Level III                            | Total            | 2003            | 2010  |
| General Luna            | Catangnan                         | 2,380                  | 1,670          | 7               | 2.0                   | 16,700                          | 0                                    | 2,981            | 5,187           | 5,803 |
|                         | Dide                              | 1,730                  | 1,200          | Unknown         | 2.0                   | 12,000                          |                                      |                  |                 |       |
| San Francisco           | Jubgan                            | 3,450                  | 2,420          | Unknown         | . 3.0                 | 24,200                          | 1,603                                | 3,491            | 4,458           | 4,922 |
|                         | Sub-total                         | 5,180                  | 3,620          |                 |                       | 36,200                          |                                      | _                |                 |       |

Table 8.4.1 Rapid Evaluation of Untapped Spring for Use in Urban Water Supply

A total of three (3) untapped spring sources in two municipalities was selected as potential water source for urban water supply and evaluated as shown below based on the information gathered at this moment.

#### General Luna

One large scale untapped spring was identified having discounted discharge capacity of about 1,670 cu.m/day which is equivalent to serve for some 16,700 persons by Level III service.

There is no Level III system in the urban area, while approximately 3,000 persons are depending on Level II system or Level I facilities. When the future urban population in Phase I, at about 5,200 persons, is taken into account, the said untapped spring is deemed to have more than enough supply capacity even to cover the whole municipality. In this respect, extension of water supply to neighboring municipality may be available, if technical and financial feasibility is confirmed.

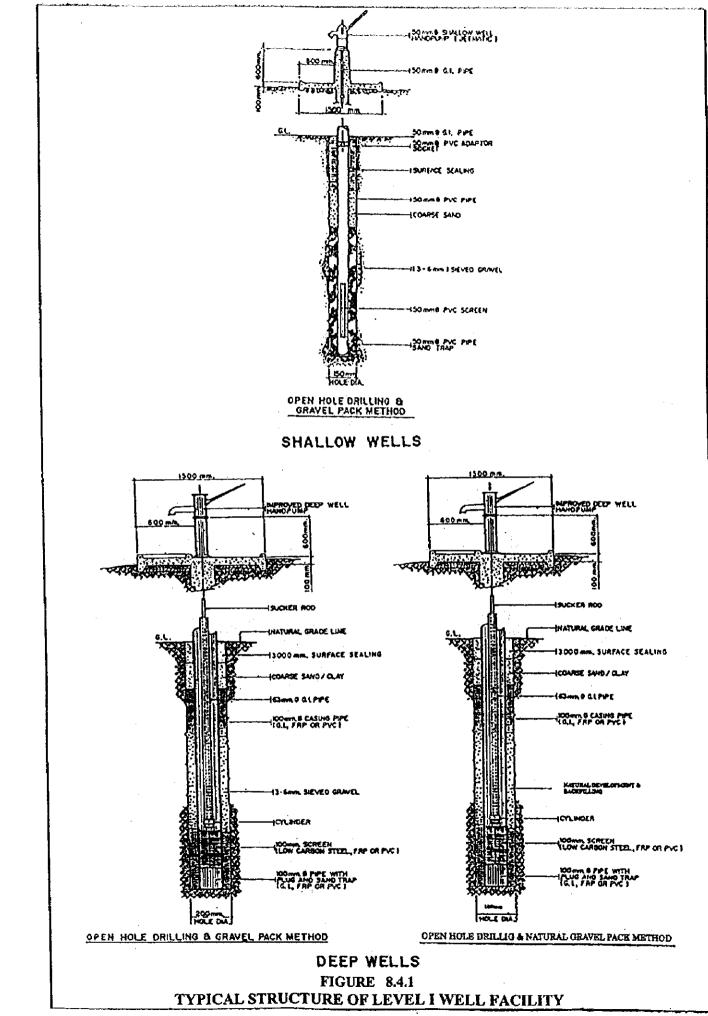
### San Francisco

There are two (2) large scale untapped springs identified during the PW4SP preparation. Although the elevation of these springs are not yet confirmed, they are located at about 2 to 3 km away from the poblacion which is quite a reasonable distance.

At present, Level III system is serving for about 1,600 persons in the urban area and another 3,500 persons are using Level II system or Level I facilities. The urban population is estimated to reach about 4,500 persons in Phase I period and about 4,900 persons in Phase II period, respectively.

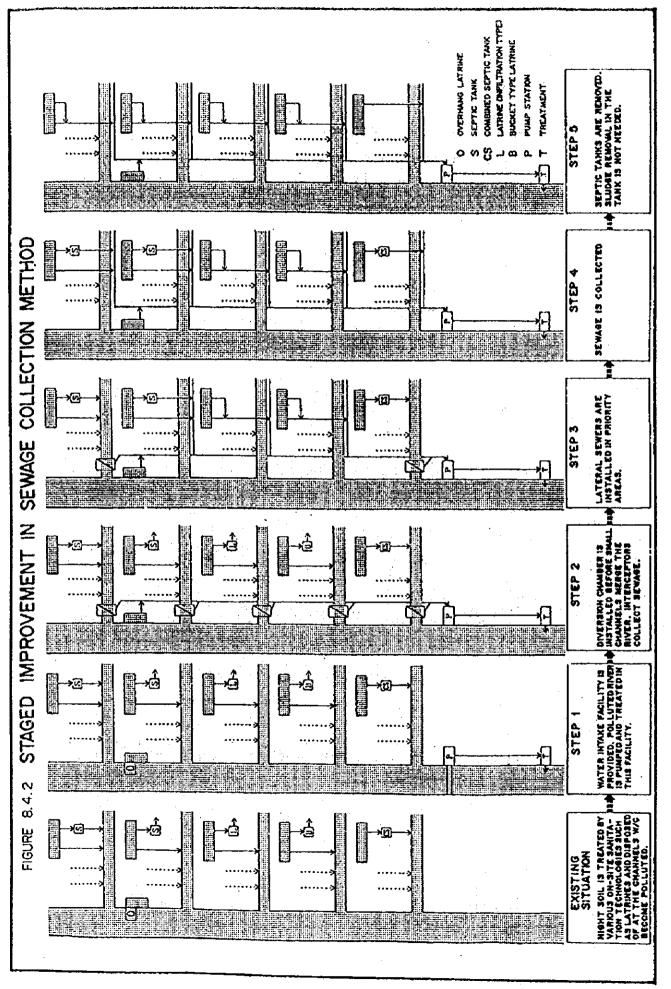
When the magnitude of future water demand is taken into account, the said untapped spring has more than the required supply capacity and its excess water can be utilized to expand Level III service to rural barangays and further to neighboring municipalities, if technical and financial feasibility is confirmed.

As evaluated, the two municipalities have favorable untapped spring sources for Level III system. Both municipalities will have excess volume of spring discharge beyond their water demand and are capable to serve not only in rural barangays, but also for neighboring municipality. It shall be noted, however, that confirmation of difference of elevation between untapped spring and potential service area, as well as distance and topographic conditions is prerequisite to realize this option. Discharge measurement of each spring throughout the year is also indispensable to obtain dependable/reliable discharge of the springs.



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## 8.5 Service Coverage by Target Year

## 8.5.1 Water Supply

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

Thirty-four (34) untapped spring sources 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:

| Name of Municipality     | Number of<br>Untapped<br>Spring | Number of<br>Barangay to be<br>Served | Number of<br>Households to be<br>Served | Population to be<br>Served |
|--------------------------|---------------------------------|---------------------------------------|---|----------------------------|
| Alegria                  | 8                               | 8                                     | 800                                     | 4,352                      |
| Bacuag                   | 6                               | 6                                     | 600                                     | 3,684                      |
| Basilisa (Rizal)         |                                 |                                       |   |                            |
| Burgos                   |                                 |                                       |   |                            |
| Cagdianao                |                                 |                                       |   |                            |
| Claver                   |                                 |                                       |   |                            |
| Dapa                     |                                 |                                       |   |                            |
| Del Carmen               | 1                               | 1                                     | 100                                     |                            |
| Dinagat                  | 9                               | 9                                     | 900                                     | 4,608                      |
| General Luna             | 1                               | 1                                     | 100                                     | 54(                        |
| Gigaquit                 |                                 |                                       |   |                            |
| Libjo (Albor)            |                                 |                                       |   |                            |
| Loreto                   |                                 |                                       |   |                            |
| Mainit                   |                                 |                                       |   |                            |
| Malimono                 | 1                               | 1                                     | 100                                     | ) 52-                      |
| Pilar                    |                                 |                                       |   |                            |
| Placer                   |                                 |                                       |   |                            |
| San Benito               |                                 |                                       |   |                            |
| San Francisco (Anao-Aon) | 2                               | 2                                     | 200                                     |                            |
| San Isidro               | 6                               | 6                                     | 60                                      | 0 3,45                     |
| San Jose                 |                                 |                                       |   |                            |
| Santa Monica (Sapao)     |                                 |                                       |   |                            |
| Sison                    |                                 |                                       |   |                            |
| <b>Socorto</b>           |                                 |                                       |   |                            |
| Surigao City (Capital)   |                                 |                                       |   |                            |
| Tagana-An                |                                 |                                       |   |                            |
| Tubajon                  |                                 |                                       |   |                            |
| Tubod                    |                                 |                                       |   |                            |
| Provincial Total         | 34                              | 34                                    | 3,40                                    | 0 18,72                    |

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

(NIC)

(internet)

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:

Thirty-four (34) untapped springs were considered to serve thirty-four (34) Level II systems in thirty-four (34) rural barangays of 8 municipalities.

## (2) Population to be served by target year

### Phase I

For urban area, the additional service coverage was estimated 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 was 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.

|   |          | Popula    | tion Servey | Population Served in the Base Year | Year    |            |           |                  | Lines.  |        | (****)    |             |                                    |             |
|---|----------|-----------|-------------|------------------------------------|---------|------------|-----------|------------------|---------|--------|-----------|-------------|------------------------------------|-------------|
| Name of<br>Municipating   | Area     |           |             |                                    |         | Tatal      |           | Service Coverage | overage |        | Additic   | ciudo4 tend | Additional Population to be Served | Para        |
|   |          | Level III | Level II    | [evel]                             | Total   | Population | Level III | Level II         | Level 1 | Total  | Level III | Level II    | Level I                            | Total       |
|   | Urban    | 1,040     | 1,500       | 2,258                              | 4,798   | 5,816      | 1,040     | 1.500            | 2,25%   | 4,798  |           |             |                                    |             |
| Alegria   | Rural    |           | 1,233       |                                    | 5,686   |            |           | 5,585            |         | 6,474  |           | 4,552       |                                    | 4,352       |
|   | Total    | 1,040     | 2,733       | ŀ                                  | 10,484  | 13,432     |           | 7.085            | 3,147   | 11.272 |           | 4,352       |                                    | 4.352       |
|   | Urban    | 2,875     |             |                                    | 2,875   | 9'209      | 7,605     |                  |         | 7,605  | 4,730     | :           |                                    | 4,730       |
| Bacuag  | Rural    |           | 1,140       | 1,377                              | 2.517   |            | 1         | 4,824            |         | 4,274  |           | 3,684       |                                    | 4X9.        |
| )   | Total    | 2,875     | 1.140       | 1,377                              | 5,392   | 14,534     | 7,605     | 4,824            |         | 11,879 |           | 3,684       |                                    | 8,414       |
|   | Urban    |           |             |                                    | 1,690   | 1          | ÷.        |                  | 669 1   |        | 1,4.4     |             |                                    | 44          |
| Basilita (Rizal)  | Rum      |           |             | 20.719                             | 20.719  |            | Ľ.        | :                | 23.292  |        |           | :           | 2,573                              | 2,57        |
|   | Total    |           |             | 22.418                             | 22.418  | Ľ          | 1.414     |                  | 24,991  | Ľ      | 1,414     |             | 2.573                              | 3,987       |
|   | 1 Thurs  | 121       | 1198        | Ľ                                  | 895     |            |           | 1,185            |         | 996    |           |             |                                    | 451         |
| Durane  |          |           | 02.6        | Ì                                  | 9       | l          |           |                  | 35      | 62X    |           |             | 5                                  | <b>26</b>   |
| co 3 in   | Total    | 108       | 144         |                                    | 2 0.45  | 081 1      | 772       |                  | 358     | -2.588 | 451       |             | 8                                  | . 52        |
|   | t t      |           |             |                                    |         | 5.458      | ľ         |                  | Ι.      | 4 365  | 4         |             |                                    | 4,366       |
| and income  | 0        | \$44      | 1 045       |                                    | 2 490   | 6.52X      | ÷         | 1.945            | 3 060   | 5.549  | ;         |             | 3,060                              | 3,060       |
| And the second se | Tata     | 3         | 94          |                                    | 2.489   |            | 4         | ÷                |         | 0.915  | 4,366     | :           | 3.060                              | 7.426       |
|   | te te te |           |             | 1913                               | 5.161   | 8,485      |           | ÷                | 5.161   | 6,788  | 1.627     |             |                                    | 1,627       |
| Claver  | Rinta    |           | 11.4        | 4.716                              | 5.147   | 7.877      |           | 431              | 6.264   | C69'9  |           |             | 1,548                              | 1,548       |
|   | Total    |           | 431         | 9.877                              | 10.308  | 10,362     | 1,627     | 431              | 11,425  |        | 1,627     |             | 1 548                              | 3,175       |
|   | Lichan   | 1.389     |             |                                    | 8,351   | 12,157     |           | -                | 6,962   |        | 1.375     |             |                                    | 1,375       |
| Dapa  | Rural    |           | 2,415       | ١.                                 | 2,415   |            |           |                  |         | 2      |           |             | 1,818,1                            | 1, 218      |
|   | Total    | 031 1     | 2415        | 0,962                              | 10,766  |            | 2,        |                  | • •     |        | 1,375     |             | 1,818                              | 3,193       |
|   | Urban    | \$9       |             | <b>6</b>                           | 3,329   | 3, 783     |           |                  |         | 3,329  |           |             |                                    |             |
| Del Cannen  | Rural    | 8         |             | 3,452                              | 5,707   |            |           | 2.475            |         | 8.677  |           | 520         | 2,450                              | 2,978       |
|   | Total    | 365       |             |                                    | 9:036   | 13,991     | 365       |                  | - 5,5   | 12,006 |           | 520         | 2,450                              | 2,970       |
|   | Urban    |           | 2,515       |                                    | . 2,550 | 1.1.1.1    |           | 2,515            |         | 2,550  | -         |             |                                    |             |
| Dinagat   | Rural    | 1         | 1,351       | 4,575                              | 5,926   | 0,460      | 1         | 5,959            | 4,575   | 5,926  |           | 4,60%       |                                    | 100         |
| ,   | Total    |           | 3,866       | 4,610                              | . 8,476 | 9,136      | •         | 8,474            |         |        |           | 4,608       |                                    | 4 605       |
|   | Urban    | -         |             | 1.                                 | 2,981   | 5,187      | 1,109     |                  | 2,981   |        | -1,149    |             |                                    | 1,169       |
| General Luna  | Kuna     |           |             | 615,5                              | 615'9   | ÷.         | ÷         | 540              | 7.458   |        |           | 945         | 626                                | 1.470       |
|   | Total    |           |             | 9,500                              | 9,500   | i.         | 1,169     | 540              | 10.439  | 12,148 | 1         | 540         | 686                                | 2.048       |
|   | Urban    | 2.445     | ĩ           | 1,193                              | 3,638   | 7,465      | 642.4     |                  | 1, 193  | 5,972  | - 2,334   |             |                                    | 2,334       |
| Gigaquit  | Rural    | 3,100     |             | 3,744                              | 6,844   | 10,547     | i         |                  | 5,865   | 8,965  |           |             | 2,121                              | 2.12        |
|   | Total    | 5.545     |             | 4,937                              | 10,482  | 210,81     | - 7,879   |                  | 7,058   | 14,937 | 2,334     |             | 2,121]                             | 4,455       |
|   | Leftar   |           | 803         | Ľ                                  | 835     | 3,433      | 1161      | - 835            | 1       | 2,746  | 1,911     |             |                                    | 1.911       |
| abio (Albor)  | Kura     |           | 3.427       | 4,438                              | 7,865   |            |           | 3,427            |         | 11,657 |           |             | 3,792                              | 3.792       |
|   | lota     |           | 4.262       |                                    | 8,700   | Ŀ          | 1161      | 4,262            | 8,230   | 14,403 | 1.6,1     |             | 3, 797                             | 5,703       |
|   | Lthan    | 84        | 3.773       | ŀ                                  | 5,052   | ŀ          | 677       | 5,773            |         | 5,230  | 178       | -           |                                    | 17K.        |
| oreto   | Rural    | 1         | 2 773       |                                    | 2,773   | 1          |           | 2,773            |         | 2,773  |           | ~           | _                                  |             |
|   | Total    | 400       | 0,546       | 280                                | 7,825   |            |           | 6,546            | 780     | 8,003  | 178.      |             |                                    | 178         |
|   | Urban    | 1,698     | 3.373       | 3.274                              | 8,345   |            |           | 3,373            | 3.274   | x,749  | 404       | -           |                                    | 404         |
| Mainin  | Kural    | 5,297     | 1,179       | 2.875                              | 9,349   | 13,175     |           |                  |         | 11,199 |           |             | 1,850                              | ,8 <u>5</u> |
|   | otal     | 6,995     | 4,552       | 6,147                              | 17,694  | 24,111     |           | *                | 26672   | 19,948 |           |             | 1.850                              | 3           |
|   | Urban    | 735       | 120         |                                    | - 855   | 208.6      |           |                  | :       | 5,442  | 4,587     |             |                                    | 4,587       |
| Malumono  | Kural    |           | 5.550       | 1.103                              | 1 452   | 7411       |           | A 0741           | 1.103   | 2.54 4 | _         | AC2         |                                    | \$          |
|   |          |           | 1 1 1 1 1   |                                    | 0,000   |            |           |                  |         |        |           |             |                                    | ľ           |

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

|                              |       | Popula    | ition Serve | Population Served in the Base Year | Year      |             |           |          | L'hase                                     | rhase i Coverage (2003) | · (000)           |   |                                    |          |
|------------------------------|-------|-----------|-------------|------------------------------------|-----------|-------------|-----------|----------|--|-------------------------|-------------------|---|------------------------------------|----------|
| Name of<br>Municipality      | Area  | <u> </u>  |             |                                    |           | Total       |           | Service  | Service Coverage                           |                         | Addits            | onal Popul  | Additional Population to be Served | kerved   |
|                              | _     | Level III | Level II    | Level                              | Total     | Population  | Level III | Level II | Level                                      | Total                   | Level III         | Level II  | Level 1                            | Total    |
|                              | Urban |           | 1.886       |                                    | 1,886     | 2.522       | 172       | 1.886    |  | 2.018                   | 132               |   |                                    | 130      |
| Pilar                        | Rural |           | 4           | 2,675                              | 3,319     | 6'6'9       |           | 440      |  |                         | ÷                 |   | 2,562                              | 2,562    |
|                              | Total |           | 2,530       |                                    | 5,205     | 0.441       | 132       | 2,530    | 5 237                                      | 7 899                   | - 132             |   | 2,562                              | 2,692    |
|                              | Urban |           | 099         |                                    | 12,089    | 14 620      |           | 660      | 11 429                                     | 12,0%9                  | :                 |   |                                    |          |
| Placer                       | Ruta  | 584       |             | Ŀ                                  | 2119      | 10 101      | 1         | 1,2%6    | 6,643                                      | 8.664                   |                   |   | 1.545                              | 1 545    |
|                              | Total | 735       | 046.1       | 16,527                             | 19,208    | 24,813      | 567       | 946,1    | 18,072                                     | 20.753                  |                   | · · ·   | 1,545                              | 1,545    |
|                              | Urban | 420       | Ľ           |                                    | 1,220     | 2,382       |           | 00%      |  | 1.906                   | 686               |   |                                    | 680      |
| San Benito                   | Rural |           |             | 570                                | 570       | 2.696       |           |          | 2,292                                      |                         |                   |   | 1,722                              | 1,22     |
|                              | Total | 420       | 800         |                                    | 064"1     | 5,078       | 901,1     | 800      | 2,292                                      | 4,198                   | 686               |   | 1,722                              | 2,408    |
|                              | -     | 1,603     | ľ           |                                    | 3,491     | 4 458       |           | 200      |  | 3,566                   |                   |   |                                    | 74<br>   |
| san Françisco (Anato-        | len X | 3,138     | 1 364       |                                    | 5,753     | 6,962       | 3,138     | 2,406    | -  | 5.918                   |                   | 1,042   |                                    | 1,042    |
| (lion                        | Total | 4,741     | 1.564       | 2,930                              | 9,244     | 11 420      | 4,816     | 2,606    | 2,062                                      | 0 484                   | 75                | 1,042   |                                    | 711, 1 T |
|                              | Urban |           | 1,720       |                                    | 1,720     | 2,030       | 1.<br>    | 1,720    | 11. C. | 1.720                   |                   |   |                                    |          |
| San Isidro                   | Rura  | •         |             | \$967                              | 2,988     | 4 769       | 1         | 3,450    | 604  | 4 054                   |                   | 3,450   |                                    | 3.450    |
|                              | Tota  |           | 1,720       | 2.988                              | 4,708     | 66.9        |           | - 5,170  | <b>209</b>                                 | 5.774                   |                   | 3,4:0   |                                    | 3,450    |
|                              | Urban | 386       | 802         | 3,553                              | 4,741     | 16,330      | 8,709     | 203      | 3.553                                      | 13,064                  | 8.323             |   |                                    | 8,323    |
| San Jose                     | Rural |           | - 180<br>0  |                                    | 2,506     | 11,804      |           | 1%0      | 6,853                                      | 10,033                  | ~ ~               | -   | 7,467                              | 7,467    |
|                              | Total | 386       | 982         | ŀ                                  | 7,307     | 28, 134     | 8,709     | 942      |  | 23,097                  | \$ 323            |   | 7,467                              | 15, 790  |
|                              | Urhan | 1,459     | 356         |                                    | 518'1     | 1,958       | 1,459     | 356      |  | 1, 815                  | 144 C 144         |   |                                    |          |
| Santa Monica (Sapao)         | Rural | 8         | 231         | 3,195                              | 3,516     | 6 020       | 8         | 162      | 4,796                                      | -: 5.117                |                   |   | 1,601                              | 1 601    |
|                              | Total | 6+S-1     | 285         | 561 0                              | 5,331     | 7 978       | 1.549     | 587      | 4,796                                      | 6.932                   | · · · ·           |   | 1,601                              | 1 601    |
|                              | Urban | 85        |             | 1,227                              | 1,312     | 3.216       | 946       |          | 1,227                                      | 2.573                   | 1.261             |   |                                    | 1,261    |
| Sison                        | Runi  | 3,515     | 2,489       | 33                                 | 0.037     | 6,963       | 3,515     | 2,489    | 33   | 6,037                   |                   |   |                                    | -        |
|                              | Total | 3,600     | - 2,489     | 1 260                              | 7,349     | 10,179      | 4,861     | 2,489    | 1,260                                      | 8,610                   | 1,261             | ÷+-   | · · · · · · · ·                    | 1,261    |
|                              | Urban |           |             | 6,845                              | 6,845     | 8,784       | 182       |          | ·· 6,845                                   | 7,027                   | 182               |   |                                    | 182      |
| Socorro                      | Kura  |           | .:          | 5,325                              | 5,325     | 9116        |           |          | 7,749                                      | 7,749                   |                   |   | 2,424                              | 2,424    |
|                              | Total |           | 8<br>3      | 12,170                             | 12,170    | 17,900      | 182       |          | 14,594                                     | 14.776                  | 182               |   | 2,424                              | 2,606    |
|                              | Urban | 45,180    |             | 22 469                             | 619-0     | 148.47      | 45,180    |          | 22,469                                     | 67 649                  |                   |   |                                    | -        |
| Surigao City (Capital) Rural | Rural | 8         |             | 27.165                             | 27,665    | - 41 362    | 500       |          |  |                         |                   |   | 7,493                              | 65 6 -   |
|                              | T'ota | 45.6X0    | :           | 49.634                             | 95,314    | 119.203     | 45.680    |          | 121,127                                    | 102,807                 | · · · · · · · · · | -   | 7,493                              | 1.493    |
|                              | Urban |           |             | 4.893                              | 4,893     | 6.241       | 100       | -        | 6,893                                      | 4.993                   | -100              |   |                                    | 8        |
| Tagana-∆n                    | Rura  |           |             | 5.718                              | 5.718     | 7,551       |           |          | 6,418                                      | ~ 6,418                 |                   |   | 907                                | 200      |
|                              | Total |           |             | 119'01                             | 10,611    | - 13, 792 - | 100       |          | 1101                                       |                         | 8                 | 111 - | 8                                  | 88       |
|                              | 525   |           | 708         | -                                  | 708       | 2 [4]       | 1 00      | 302      |  | 1.113                   | 1.005             |   |                                    | 1,005    |
| (ubaioo                      | Rural | 1         | 283         | 2 798                              | 1.683     | 5.028       |           | 888      | 3,189                                      | 4.274                   |                   |   | -165                               | 165      |
|                              | 110   |           | 1 503       | 2 798                              | 4 101     | 7 66        | 1 00      | 1051     |  | 5.087                   | - 00              |   |                                    | 1.96     |
|                              |       |           |             |                                    | 1         |             | 577.5     |          |  | ¥6.9 1.                 |                   |   |                                    |          |
| F. bod                       |       |           | 000         |                                    | 0 000     |             | - 24- 2   | 100      |  | 0Y0 8                   |                   |   | Ì                                  |          |
|                              |       |           | 700.0       |                                    | 10.00     | 104.01      |           | 2001     |  | 200-0                   | Ť                 | T   |                                    |          |
|                              |       | 510°/     | 2014        | 72.424                             | C4C*1     | 10, 01      |           | 107 50 1 | 72.464                                     | CAL 01                  | V16 76            |   |                                    | 24.010   |
| 1                            | Croan | 07,10     | 140.67      | 0000                               | C/0 01    | 71007       | 0000      | 140.04   | 0.410                                      | 1.00                    | 210.00            |   |                                    | 21.00    |
| Provincial 1 otal            | Kura  | 23.006    | 33.X30      | 117.437                            | 14.273    | 202, X39    | 23,006    | 000,2011 | 1586,661                                   | 164.622                 |                   | 12/21   | 54-04                              | 200,00   |
|                              | Total | K4,732    | 57.521      | 193,893                            | 336, 1461 | 501,511     | 21,042    | 76,241   | 232,039                                    | 423,640                 | 16.10             | IX,720  | 40.148                             | 101,378  |

Table 8.5.2 Population to be Served in Phase 1 (Water Supply)

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| Takta 9.6.3. Danilation to be Seened in Phase II (Water Sumuly) |   |
|---|---|
|   | · |

|                         | _                     | 5         | Population Served in 2003 |         | -       |            |                |                  |         | I       |                    |            |                                    |        |
|-------------------------|-----------------------|-----------|---------------------------|---------|---------|------------|----------------|------------------|---------|---------|--------------------|------------|------------------------------------|--------|
| Name of<br>Municipality | Area                  |           |                           |         |         | Tairl      |                | Service Coverage | overage |         | Additiv            | hal Popula | Additional Population to be Served | Served |
| A MIRE CONTRACT         |                       | Level III | Level II                  | Level 1 | Tocal   | Population | Level III      | Level II         | Level 1 | Total   | Level III Level II | Level II   | Level                              | Total  |
|                         | Urban                 | 1,040     |                           | 2,258   | 862 7   | 6,423      | 6,102          |                  |         | 201'9 . | · 5,062            |            |                                    | 5,062  |
| Alcgria                 | Rural                 |           | 5.585                     |         | 6,474   |            |                | 5,585            | 2,236   | 7,×21   |                    |            | 1,347                              | 1,347  |
|                         | Total                 | 1 040     | 7 085                     | 3,147   | 11 272  |            |                | 5,585            | 2,236   | 13,923  | ÷.                 |            | 1.347                              | 6,409  |
|                         | Urban                 | 7,605     |                           |         | 209.1   | 10,758     | 10,220         |                  |         | 10,220  | 2,615              |            |                                    | 2,615  |
| Jacuag                  | Rural                 |           | 4,824                     |         | 4.824   | 069'5      |                | 4.824            | 468     | 5,292   |                    |            | 458                                | 468    |
|                         | Total                 | 7,605     | 4.824                     |         | 12,429  | 16,448     | 10,220         | 4,824            | 468     | 15,512  | 2,615              |            | 468                                | 3,083  |
|                         | Urban                 | 1.414     |                           | 669     | 3.113   |            | 4,479          |                  | -       | 4,479   | 3,065              |            |                                    | 3,065  |
| Basilisa (Kizal)        | Kura                  |           |                           | 23,292  | 292.02  |            |                |                  | 30,877  | 20,877  |                    |            | 7,585                              | 7,585  |
|                         | Total                 | 1414      |                           | 24.991  | 26 405  |            | 4.479          |                  | 30,877  | 35,356  |                    |            | 7,585                              |        |
|                         | Urban                 | 111       | 1.188                     |         | 9961    | Ľ          |                |                  |         | 2.576   | 28.1               |            |                                    | 1      |
| Burgos                  | Kura                  |           | 270                       |         | 628     | 218        |                | 270              | 490     | 160     |                    |            | 261                                | 132    |
| <b>b</b>                | Total                 | 22.1.     | 1.458                     | 358     | 2.58X   |            | 2.576          | 270              | 490     | 3,336   | 1,804              |            | 132                                | 1,936  |
|                         | Urban                 | 4.366     |                           |         | 4 366   | 5,758      |                |                  |         | 5,470   |                    |            | ;                                  | 1,104  |
| Cardianao -             | Runal                 | 544       | 1.945                     | 3.060   | 5.549   | 1          |                | 5961             | 3.915   | 6,404   |                    |            | 558 -                              |        |
|                         | Total                 | 4,910     | 1.                        | E.      | \$16.6  |            | °              | 1 945            | 519.5   | 11,874  | 1,104              |            | 855                                | 1,959  |
|                         | S<br>A<br>L<br>L<br>L | 1.627     | Ľ.                        |         | 6,788   |            | 8,915          |                  | :       | 8,915   | 7, 288             | -          |                                    | 7,258  |
| Claver                  | Eng                   |           | 107                       | :       | 6.695   |            |                | 41               | 2.670   | 101'8   | ġ                  |            | 1,406                              | 1,406  |
|                         | Total                 | 1.627     | 1.1.4                     | •       | Ŀ       |            | 8915           | 431              | 0.91    | 17.016  | 282.4              |            | 1,406                              | 8,694  |
|                         | nett.                 | 2.064     |                           | 6.962   | ÷       |            |                |                  |         | 11.935  | ÷                  |            |                                    | 171.0  |
| Dana -                  | Rufa                  |           | 2.415                     | 1.818   |         | 1.         |                | 2415             | 2.372   | 4.737   | 1                  |            | 554                                | - 554  |
|                         | Total                 | 2.764     | 2.415                     |         | ÷       | E.         | 11,935         | 2.415            | 2.372   | 16,722  | 171.9              |            | 554                                | 377.6  |
|                         | Urban                 | 65        | 3,255                     |         | 2       | 1          | 1              |                  |         | 3,954   | 688'C              | ;          |                                    | 3,889  |
| Del Carmen              | Kural                 | 90F       | 2,475                     | 5,902   | 8,677   | 11,230     | 300            | 2,475            | 609'/   | 10,444  |                    | :          | 1,767                              | 1,767  |
|                         | Total                 |           | 5.730                     | ÷       | 12,006  | [ ;        | 4,254          | 2475             | 2,609   | 14,398  | 3,889              |            | 1,767                              | 5,656  |
|                         | Urban                 |           | 2.515                     |         | 2,550   | ÷          |                |                  |         | - 2,655 |                    |            |                                    | 2,655  |
| Dinagat                 | Runi                  | :         | 565                       | 4       | 10,534  | 6,768      |                | 5 959            | 4.575   | 10,534  |                    |            |                                    |        |
|                         | Total                 | -<br>     | 8.474                     |         | 13,084  | 595'6      | 2,055          | - 5 959          | 4,575   | 13,189  |                    |            |                                    | 2,655  |
|                         | Urban                 | 1,169     |                           | 186'2   | 4.150   | t.<br>E    | ÷.             |                  |         | 512,2   | 4,344              |            |                                    | 4,344  |
| General Luna            | Rural                 |           | 540                       | ÷       | 866 2   |            | 1 1071         | 540              | 252,9   | 262'6   |                    |            | 1,794                              | 1,794  |
|                         | Total                 | -1,169    | 540                       |         | 12, 148 | - 16,332   | 5,513          |                  | 9,252   | 15,305  | 4,344              |            | 1,794                              | 6,138  |
|                         | Urban                 | 4,779     | 1                         |         | 5.972   | 8,445      | . 8,023        |                  |         | 8,023   | 3,244              |            |                                    | 3,244  |
| Gigaquit                | Kural                 | 3,100     |                           | 5,865   | 8,965   | 11,932     | 3,100          | :                | 7,997   | 11,097  |                    |            | 2,132                              | 2,132  |
|                         | Total                 | 7,879     |                           | 7,058   | 14, 937 | 20.377     | 11,123         | :                | 166.1   | 19,120  | 3,244              |            | 2,132                              | 5,376  |
|                         | Urban                 | 116'1     | 835                       |         | 2,746   | 3,808      | 3,018          |                  |         | 3,618   | :,707              |            |                                    | 1,707  |
| "ibjo (Albor)           | Runa                  |           | 127.6                     | 8,230   | 11 657  | 15,209     |                | 3,427            | 10,717  | 14,144  |                    |            | 2.487                              | 2,487  |
|                         | Total                 | 1161      | 4,262                     | 8,230   | 14,403  | 19,017     | 3,618          | 3 427            | 10,717  | 17,762  | 1,707              |            | 2,487                              | 4,194  |
|                         | Urban                 | 677       | 3.773                     | 780     |         | 7,545      | 7,168          |                  | -       | 7,168   | 1679               |            |                                    | 6,491  |
| Loreto                  | Rurai                 |           | 2 773                     |         | 2,773   | 3,716      |                | 2,773            | 683     | 3,456   |                    |            | 683                                | 689    |
|                         | Total                 | 677       | 6 540                     | 082     | \$,003  | 11,261     | 7,168          | 2 773            | 683     | 10,624  |                    |            | 683                                | 7,174  |
|                         | Urban                 | 2,102     | 3.373                     | 3,274   | 8.749   |            | 11,216         |                  |         | 11,216  | 9,114              |            |                                    | 9,114  |
| Maunit                  | Rural                 | 5,297     | 1.179                     | 4,723   | 11,199  |            | 5,297          | 1.179            | 6,751   | 13,227  |                    |            | 2,028                              | 2,028  |
|                         | Total                 | 1,399     | 4,552                     | 7,997   | 19,948  | 26,029     | 16,513         | 1,179            | 6,751   | 24,443  | 9,114              |            | 2,0281                             | 11,142 |
|                         | Urban                 | 5,322     | 120                       |         | 5,442   | ÷          | 6.434          | :                |         | 6,484   | 1,162              |            |                                    | 1,162  |
| Malipuono               | (Kura)                |           | 6,074                     | 1,103.  | 771.7   | 7.437      | <br> <br> <br> | A 074            | 103     | 1.1     |                    | -          | -                                  |        |
|                         |                       |           |                           |         |         |            |                | 1.0.0            | ·, ·    |         |                    |            |                                    |        |

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| Table 8.5.3 Population to be Served in Phase II ( | 'Water Supply) |
|---|----------------|
| ble 8.5.3 Population to be Served in Phase        |                |
| ble 8.5.3 Population to be Served in              | Phase          |
| ble 8.5.3 Population to be                        | E.             |
| ble 8.5.3 Population to be                        | Served         |
| ble 8.5.3 Popul                                   | X              |
| ble 8.5.3 Popul                                   | à              |
| Table 8.5.3                                       | Population t   |
|   | Table 8.5.3    |

| Municipality Area<br>Pilar Rural<br>Placer Data |            | :         |            |                                |         |               |           |  | • • • •    |          |           |               |   |  |
|---|------------|-----------|------------|--------------------------------|---------|---------------|-----------|--|------------|----------|-----------|---------------|---|--|
|   | Area       |           |            |                                |         | Total         | 1         | Service Coverage                         | overage    |          | Additi    | ingi Popul    | Additional Population to be Served      | krved                                    |
|   | <u></u>    | Level III | I level II | Level 1                        | 10(31   | Population    | Level III | Level II                                 | Level 1    | Total    | Level III | Level II      | Level I                                 | Total                                    |
|   | Urban      | 132       | 1.886      |                                | 2,018   | 2.778         | 2.639     |  |            | 2,639    | 2,507     |               |   | 2.501                                    |
|   | ra -       |           | 044        | 1223                           | 5,881   |               |           | FP9                                      | 6.44.7     | 7,087    |           |               | 1,206                                   | 1,206                                    |
|   | ta)        | 132       | - 2.530    | 5.237                          | 568'2   | 10,398        |           | 644                                      | 6.443      | 9,726    | t I       |               | 1.206                                   | 3,713                                    |
|   | Urban      |           | 99<br>-    |                                | 12,089  | 16,721        | 15,885    |  |            | 15,885   | 15,885    |               | -                                       | 15,88                                    |
|   | Rural      | 1351      | 1,286      | 6,643                          | 8,004   | 11,657        |           | :  | 8,820      | 10,841   |           |               | 2,177                                   | 2,177                                    |
| Total   | 13         | 735       | 946        |                                | 20,753  |               | 1         | 1,2%6                                    | 8,820      |          | -         |               | 2,177                                   | 18,062                                   |
| P-0   | Urban<br>U | -,106     | 88         | 11                             | 906'1   |               | 2,479     | 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -  |            | 2,479    | 5251      |               |   | 1.37                                     |
| San Benito Rural                                | -<br>E     |           |            | 2.292                          | 2.292   |               |           |  | 2,746      | 2.746    |           |               | 4 <u>5</u> 4                            | 454                                      |
| •   | 2          | 8         | 8          |                                | 4, 198  |               | 2.479     |  | 2,746      | 5 225    | 1.373     |               | 4                                       | -1,827                                   |
| 1   | Na G       | 1.678     | 200        |                                | 3,500   | 2             | E         |  |            | 4.676    | ÷         |               |   | 2,998                                    |
| San Francisco (Anao Rural                       | ral        | 3.138     | 2.406      | 374                            | 5,918   | 7.086         | ÷         | 2,406                                    | 1 604      | . 7.148  | ;         |               | 1 230                                   | 1,230                                    |
| Aon) Total                                      | đ          | 4,816     | 2.606      |                                | 9,484   |               | ł         | ŝ  | <b>8</b> 0 | - 11,824 | 2,998     |               | 1.230                                   | 4.225                                    |
| P<br>D  | Urban      |           | 1.720      | 1.4.1                          | 1,720   | i.<br>A       | i.        |  |            | 2.174    |           |               |   | 2,174                                    |
| San Isidro Rural                                | 2          |           | 3.450      |                                | 4.054   |               |           | 3.450                                    | 1.548      | 4.94%    | Ľ         |               | 254                                     | ž  |
|   | 1          |           | \$ 170     | 198                            | 5.774   |               | 2.174     |  |            | 1721     | 2.174     |               | ş                                       | 3.118                                    |
| Urban   | l          | 8.709     | 802        | 3 553                          | 13.064  |               |           | E  | F.         | 15.819   |           |               |   | 11.6                                     |
| San Jose Rural                                  | -          |           | 180        | 9.853                          | EC0.01  | $\frac{1}{2}$ |           |  | 11 013     | 11 193   | Ŀ         |               | 1,160                                   | 1 160                                    |
|   | -          | X,709     | 982        | 13 406                         | 23,097  | Ģ             | 15,819    | 180                                      |            | 210.12   | 7,110     |               | 1,160                                   | 8, 270                                   |
| Crean   | E.         | 1.459     | 356        | -                              | 1,815   | ÷.            | 2,005     | · · · · · ·                              |            | 2 005    |           |               |   | 546                                      |
| Santa Monica (Sapao) Rurat                      | ē          | 8         | 231        | 4,796                          | 5113    |               | 8         | 231                                      | 5,716      | 6 03 7   | 1.11      |               | 076                                     | 926                                      |
|   |            | 695       | 587        | 4,796                          | 6,932   |               | 2,095     | 12                                       | 5,716      | X,042    | 546       |               | 920                                     | 1,466                                    |
| Cross   | l g        | 1,346     |            | 1221                           | 2,573   |               | 166.6     |  |            | 168.6    | 2,045     |               | · .<br>:                                | 2,045                                    |
| Sison Rural                                     |            | 3,515     | 2,489      |                                | 6,037   |               | 3,515     | 2,489                                    | 1,183      | 7 187    |           |               | 1,150                                   | 1 150                                    |
| Total   | -          | 4,861     | 2,489      | 1,260                          | 5,610   |               |           | 2,4%9                                    | 1, 183     | 10.578   | 2,045     | 1. v          | 1,150                                   | 3 195                                    |
| Urban   | -ue<br>Ve  | 182       | •          | 6,845                          | 7.027   | 6 017         | 128/6     |  |            | 9.421    | 0.230     | • • •         |   | 9 239                                    |
| ocorro Rura                                     | 18         |           |            | 7.749                          | 7.749   | 10 292        |           |  | -9.572     | 9.572    | -         | ·<br>·        | 1,823                                   | 128                                      |
| Total   | :<br>Ie    | 182       |            | 14,594                         | 14,776  | 20,209        | - 9,421   |  | 9.572      | - 18,993 | 627.6     |               | 1,223                                   | 11.062                                   |
| lÚrban  | an l       | 45,180    |            | 22,469                         | 61,649  | 85,649        | 19018     | 1. | 1          | 81,367   | 36,187    |               |   | 36,187                                   |
| Surigao City (Capital) Rural                    |            | 500       | 19 - 19 A. | 34,058                         | 35,158  | 45,510        | 500       |  | 41,824     | 42.324   |           |               | 7,166                                   | 7,160                                    |
| Total   |            | 45.680    | 100 A 2.4  | 57,127                         | 102,807 | 131,159       | 081807    |  | 41,824     | 169'621  | 36,187    |               | 7,166                                   | 43.353                                   |
| Urban   | ធ          | 100       |            | 4,893                          | 4,993   | 6.858         | -6,515    | 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.   |            | 6.515    | - 6,415   | 1 1 1 1 1 1 1 |   | 6.415                                    |
| agana-An Rural                                  | <br>       | -         |            | 6,418                          | 6,418   | 8,298         |           |  | 21.12      | 1717     |           |               | 1,299                                   | 1 299                                    |
|   | -          | 10        |            | 11.311                         | 11411   | 15,156        | 6,515     |  | 7177       | 14 232   | 6,415     | -             | 1,200                                   | 7.714                                    |
| Urban   | an l       | 500       | 20%        | 1 - 1 - 1 - 1<br>1 - 1 - 1 - 1 | 511,713 | 2,399         | 2.279     | 4.5.000                                  |            | 2.279    | 1,274     |               |   | 1.274                                    |
| ubajon Runal                                    |            |           | 888        | 3,389                          | 4,274   | 5.633         |           | 588.000                                  | 4,354      | 5 239    |           | :             | \$96                                    | 596                                      |
| Total   | 14         | 1,005     | -1.593     | 3,389                          | (36'5   | 8,032         | 2,279     | SX8-1                                    | 4,354      | 7.518    | 7121      |               | \$96                                    | 2.239                                    |
| Urban   | an .       | 1,526     |            |                                | 1,526   | 1 619         | 1.538     |  |            | 1.538    | 12        |               | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | 12                                       |
| Tubod Kural                                     | ā          | 5,787     | 3.082      | -                              | 8.869   | 9,407         | 5,787     | 3,082                                    |            | 8,869    |           | **** · ·      |   | 1. |
| Total   | 1          | 1,313     | 3,082      |                                | 10,395  | 11,026        | 7,325     | 3,082                                    |            | 10-407   | 121       |               |   | 12                                       |
| Urban   |            | 98.036    | 23,691     | 76,456                         | 198,183 | 261.594       | 248,516   |  |            | 248,516  | 150,480   |               | 1                                       | 150,480                                  |
| Provincial Total Runal                          |            | 23,006    |            | 155,583                        | 231,139 | 165'062       | 2,006     | 52,550                                   | 199,315    | -274,871 |           |               | 43,732                                  | - 43, 732                                |
|   |            | 121,042   |            | -232,039                       | 429,322 | 542,185       | 271,522   | 52,550                                   | 199,315    | 523,347  | 150,480   |               | 43,732                                  | 194,212                                  |
|   | :          |           |            |                                |         |               | •         |  |            |          |           |               |   |  |

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|                          |          |       |              | Household Served |            |              |       |                    | Phase I C | Phase I Coverage (2003) | (003)  |                                     |              |         |
|--------------------------|----------|-------|--------------|------------------|------------|--------------|-------|--------------------|-----------|-------------------------|--------|-------------------------------------|--------------|---------|
| Norma of Ministrian Here |          |       | a ant ne     | ne based y car   |            | ſ            |       |                    |           |                         |        |                                     |              |         |
| Azme of Municipality     | Area     | El.uk |              | VID. A.          | Laber<br>F | Total No. of |       | Household Coverage | Coverage  |                         | IPPY   | Additional No. of BHBs to be Served | HILE to be S | erved   |
|                          | <u> </u> |       | L'OUT FIUSA  |                  |            | HHS          | Flush | Pour Flush         | VIP/Dry   | Total                   | Flush  | Pour Flush                          | VIP/Dry      | Total   |
|                          | Urban    |       | 069          |                  | 069        | 986          |       | 555                | 74        | 740                     |        |                                     | 74           | 135     |
| Alegria                  | Rural    |       | 2175         |                  | 511:       | 1,400        |       | 268                | 158       | 1,050                   |        | 117                                 |              | 275     |
| ,<br>                    | Total    |       | 1,465        |                  | 275        | 2,386        | 111   | 1,447              | 232       | 1,790                   |        | J 117                               | 232          | 460     |
|                          | Urban    |       | 1,200        |                  | 1,200      | 1,701        | 161   | 957                | 128       | 1,276                   | 161    |                                     | 871          | 616     |
| Bacuag                   | Runal    |       | 527          |                  | 527        | 319          |       | 522                | 92        | 614                     |        |                                     | 22           | - 25    |
| 2                        | Total    |       | 1,727        |                  | 527        | 2,520        | 161   | 1 479              | 220       | 063 1                   | 161    |                                     |              | - 411   |
|                          | Urban    |       | 328          |                  | 328        | 689          | 78    |                    | 52        | 517                     | - 78   |                                     |              | 189     |
| (Basilisa (Rizal)        | Rural    |       | 2,811        | -                | 2,811      | 4,946        |       |                    | 5571      | 3,710                   |        |                                     |              | 668     |
|                          | Total    |       | 3.139        |                  | 2,811      | 5,635        | 84    | 3,540              | 609       | 4,227                   | 78     |                                     | 609          | - 1,088 |
|                          | Urban    |       | 371          |                  | 371        | - 201 ·      | 57    |                    | 38        | 380                     | 57     |                                     | :            | 8       |
| Burgos                   | Rura     | :     | 8            |                  | 33         | 137          |       |                    | 15        | 103                     |        |                                     | -            | st      |
|                          | Total    |       | 456          | -                | 85         | 49           | 57    | 373                | 53        | 483                     | - 57   | 3                                   |              | 113     |
|                          | Úrban -  |       | 531          |                  | 531        | 1,118        | 126   | 629                | 84        | 839                     |        | 5                                   | 78           | 308     |
| Cagdianao                | Rural    | -     | 505          | -                | 505        | 1.283        | :     | 818                | 144       | 206                     |        |                                     | 144          | 44      |
| 2                        | Total    | 7     | 1,436        |                  | 88         | 2,401        | 126   | 1,447              | 877       | 1.801                   | 126    | 86                                  | 228          | 452     |
|                          | Urban    |       | 1.371        |                  | 1.371      | 1.687        |       | 1.234              | 137       | 11/21                   |        |                                     | 137          | 137     |
| Claver                   | Rual     | :     | 963          |                  | 963        | 1.569        |       | 1.000              | 177       | 1.177                   |        | 37                                  | 177          | 214     |
|                          | Total    |       | 2.334        |                  | 963        | 3.256        |       | 2234               | 314       | 2,548                   |        | 37                                  | 314          | 351     |
|                          | Urban    |       | 1,829        |                  | 1829       | 2,481        | 279   | 1,396              | 186       | 1.861                   | 279    |                                     | 186          | \$65    |
| Dapa                     | Rural    |       | 654          | ļ                | 654        | 984          |       | 627                |           | 738                     |        |                                     |              |         |
|                          | Total    |       | 2,483        |                  | 654        | 3,465        | 542   | 2,023              | 297       | 2,599                   | 279    |                                     | 297          | 576     |
|                          | Urban    |       | 9 <b>4</b> 6 |                  | 646        | 739          |       | 581                | 65        | 646                     | 12 N 1 |                                     | 65           | 65      |
| Del Carmen               | Rural    |       | 298          |                  | 867        | 1,963        |       | 1,251              | 221       | 1.472                   |        | 384                                 | 221          | 605     |
|                          | Total    |       | 1.513        |                  | 867        | 2,702        |       | 1,832              | 286       | 2,118                   | -      | 384                                 | . 286        | 670     |
|                          | Urban -  |       | 355          |                  | 355        | 547          |       | 369                | 41        | 410                     | :      | 14                                  | 41           | 55      |
| Dinagat                  | Rural    |       | 644          |                  | 61.1       | 1,263        |       | 805                | 142       | 947                     |        | 26                                  | 142          | 168     |
|                          | Total    |       | 1,134        | -                | 611        | 1,810        |       | 1.174              | 183       | 1.357                   |        | <del>(</del> 4                      | 183          | 223     |
|                          | Urban    |       | 619          | 1                | 619        | 1,029        | - 116 | 579                | 44        | 772                     | 911    |                                     | 22           | 193     |
| General Luna             | Rural    |       | 1.062        |                  | 1.062      | 1,742        |       | 1,111              | 1961      | 1.307                   |        | 67                                  | 1961         | 245     |
|                          | Total    |       | 1,681        |                  | 1.062      | 2,771        | 116   | 1,690              | 273       | 2.079                   | 116    | 49                                  | 273          | 438     |
|                          | Urban    |       | 865          |                  | 865        | 1,377        | 155   | 775                | 103       | 1.033                   | 155    |                                     | 103          | 258     |
| Gigaquit                 | Rural    |       | 1,288        |                  | 1,288      | 1,932        |       | 1.232              | 217       | 1,449                   |        |                                     | 217          | 217     |
|                          | Total    |       | 2,153        |                  | 1,288      | 3,309        | 1551  | 2,007              | 320       | 2,482                   | 155    |                                     | 320          | 475     |
|                          | Urban    |       | 578          | :                | 578        | - 800<br>    |       | 520                | 585       | 578                     |        |                                     | 58           | 58      |
| Libjo (Albor)            | Rural    |       | 1,259        |                  | 1,259      | 2,573        |       | 1,640              | 067       | 1,930                   |        | 381                                 | 290          | 671     |
|                          | Total    |       | 1,837        |                  | 1,259      | 3,241        |       | 2,160              | 348       | 2.508                   |        | 381                                 | 348          | 729     |
|                          | Urban    |       | 656          |                  | 956        | 1,388        | 156   | 181                | 104       | 1.041                   | 156    |                                     | 10           | 260     |
| Loreto                   | Rural    |       | 222          |                  | 222        | 656          | •     | 418                | 74        | - 492                   | :      | 361                                 | 74           | 270     |
|                          | Total    |       | 1.181        |                  | 222        | 2,044        | 156   | 1,199              | 178       | 1,533                   | 156    | 1961                                | 178          | 530     |
|                          | Urban    |       | 1,415        |                  | 1,415      | 2,095        | 236   | 1,178              | 157       | 1.571                   | 236    |                                     | 157          | 393     |
| Mainit                   | Rural    |       | 1.854        | ATTACK CONTRACT  | 1,854      | 2,435        | :     | 1,576              | 278       | 1,854                   |        |                                     | 2781         | 278     |
|                          | Total    |       | 3,269        |                  | 1,854      | 4,530        | - 236 | 2,754              | 435       | 3,425                   | 236    |                                     | 435          | 671     |
|                          | Urban    | :     |              |                  | 752        | 1,342        | 151   | 755                | 101       | 1,007                   | 151    | 3                                   | 101          | 255     |
| Malimono                 | Rural    |       | 1,137        |                  | 1,137      | 1,414        |       | 996                | 121       | 1,137                   | -      |                                     | 121          | 171     |
|                          |          |       |              |                  |            | 724          |       |                    |           |                         |        |                                     |              |         |

## 8.5.2 Sanitation

8 - 31

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

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|                           |         |       | in the B | Based Year               |         |              |        |               |                    | CONT ARE AND TARE | (cm;                                     |               |                                    |          |
|---------------------------|---------|-------|----------|--------------------------|---------|--------------|--------|---------------|--------------------|-------------------|--|---------------|------------------------------------|----------|
| Name of Municipality      | Area    | ŝ     | Pour     |                          |         | Total No. of |        | Household     | Household Coverage |                   | Add                                      | itional No. o | Additional No. of HHs to be Served | Served   |
|                           |         | Flush | Flush    | VIP/Dry                  | Total   | AHS          | Flush  | Pour<br>Flush | VIP/Dry            | Total             | flush                                    | Pour<br>Flush | VIE/Dry                            | Total    |
|                           | Urban   |       | 389      |                          | 389     | 480          |        | 350           | 39                 |                   |  |               | 6E                                 | žč       |
| Pilar                     | [हन्म]  |       | 705      |                          | 202     | 1.22.1       |        | 782           | 851                | 920               | -  | F-            | 361                                | 17       |
|                           | Total   |       | 1,094    |                          | 205     | 1,713]       |        | 1,132         | 177                |                   |  | 44            | 111                                | 57       |
|                           | Urban   |       | 2.072    |                          | 2.072   | 2,707        |        | 1,865         | 207                | 2,072             |  |               | 207                                | -207     |
| Placer                    | Rural   |       | 1,175    |                          | 1,175   | 2,063        |        | 1,315         | 232                | 1,547             |  | 14            |                                    | 372      |
|                           | Total   |       | 3,247    |                          | 1,175   | 4,770        |        | 3.180         | 439                | 3,619             |  | 140           | •                                  | 575      |
|                           | Urban   |       | 373      |                          | 373     | 425          |        | 336           | 37                 |                   |  |               | 37                                 | E.       |
| San Benito                | Rural   |       | 158      |                          | 158     | 510          |        | 326           | 57                 | .                 |  | 168           |                                    | 225      |
|                           | Total   |       | 531      |                          | 158     | 550          |        | 662           | 94                 |                   |  | 168           |                                    | 152      |
| Con Employed (A           | Urban   |       | 552      |                          | 552     | 914          | 103    | 514           | 69                 |                   |  |               |                                    |          |
| an Anterioru (Autaur      | Rural   | ĺ     | 888      |                          | 888     | 1.336        |        | 853           | 1401               | 1000              |  |               |                                    |          |
| (HOM)                     | Total   |       | 1 440    |                          | XXX     | 056.6        | 1.0    |               | 010                |                   | 5V1                                      |               |                                    |          |
|                           | Urhan   |       | 101      |                          | 103     | 150          |        | 164           | 177<br>VC          | 1000              |  |               |                                    | 17C      |
| San Isidro                | Rura    |       | 373      |                          | 272     |              |        | 100           | 202                | 100               |  |               | 2                                  | ?}<br>}  |
|                           | Toma I  | ľ     | 202      |                          | 640     | 1 101        |        | 270           | C.X.               | 770               |  | 001           |                                    | 249      |
|                           | 1 Ches  | Ì     | 10.1     | :                        | 1010    | 1,100        |        | 202           | <b>67</b>          |                   |  | :             | 1 18941                            |          |
|                           | Urban   | Ì     | 00/1     |                          | 1,900   | 2,953        | 332    | 1,661         | 222                | 2,215             | 332                                      |               | 222                                | 554      |
|                           | IEINY   |       | 1,178    |                          | 1.178   | 465.1        |        | 1.272         | 224                | 1.496             |  |               | 14.1                               | 318      |
|                           | Lotal   |       | 3.144    |                          | 1,178   | 4,947        | 332    | 2,933         | - 446              | 3,711             |  |               |                                    |          |
|                           | Urban   |       | 175      |                          | 175     | 368          | 41     | 207           | 28                 | 276               | 14 · · · · · · · · · · · · · · · · · · · | 32            | 28                                 | 101      |
| Santa Monica (Sapao)      | Kurai   |       | - 556    | 1                        | 556     | 1,042        |        | 665           | 111                | 782               |  | 601           | 117                                | 226      |
|                           | letal   |       | 731      |                          | 556     | 1,410        | 41     | 872           | 145                | 1,058             | 4  | 141           | 145                                | 327      |
|                           | Crban   |       | \$40     |                          | 540     | 624          |        | 486           | 54                 | 540               |  |               | <u></u>                            | 54       |
| Sison                     | Runal   |       | 946      |                          | 946     | 1,273        |        | 812           | 143                | 925               |  | 1             | 143                                | 143      |
|                           | Total   |       | 1,486    |                          | 946     | 1,897        |        | 1,298         | 161                | 1.495             |  |               | 161                                | 191      |
|                           | Urban   |       | 1,301    |                          | 1.301   | 1,536        | -      | 1.171         |                    | 1.301             |  |               | 130                                |          |
| Socorro                   | Rural   |       | 862      |                          | 862     | 1,545        |        | 985           | 174                | 1.159             |  | 121           | 1721                               | 297      |
|                           | Total   |       | 2.163    |                          | 862     | 3,081        |        | 2.156         | 304                | 2,460             |  | 123           | 301                                | 427      |
|                           | Urban   | 1,921 | 5,617    |                          | 7,538   | 14,941       | 1,681  | 8,404         | 1,121              | 11206             |  | 2 787         | 1211                               | 3 908    |
| Surigao City (Capital) [] | Rural   |       | 5,845    |                          | 5.845   | 8,047        | 2      | 5.130         | 305                | 6.035             |  |               | 1×0×                               |          |
|                           | Total   | 1,921 | 11,462   |                          |         | 22,988       | 1.681  | 13.534        | 2.026              | 17.241            |  | 2787          | 202                                | 4 812    |
|                           | Urban   |       | 938      |                          | 938     | 1217         |        | 844           | Ī                  | 938               |  |               | 3                                  | ¢        |
| Tagana-An []              | Rural   |       | 942      |                          | 942     | 1,444        |        | 921           | 162                | 1.083             |  |               | 162                                | 1<br>V   |
|                           | Total   |       | 1,880    |                          | 942     | 2.661        |        | 1.765         | 256                | 2.021             | Ī  | T             | - <u>755</u>                       | N.       |
|                           | Jrban   |       | 398      |                          | 398     | 446          |        | 358           | 9                  | 305               |  |               |                                    |          |
| Tubajon                   | tural   |       | 422      |                          | 422     | 976          |        | 622           | 011                | 22.6              |  | 000           | 101                                | 112      |
|                           | Total   |       | 820      |                          | 422     | 1.422        |        | 980           | 150                | 1021              |  | - 1040        | 202                                |          |
|                           | Urban   |       | 287      |                          | 287     | 304          |        | 258           | 20                 | 287               |  |               | X                                  | 200      |
| Tubod T                   | Rural   |       | 1,3371   | the second second second | 1.337   | 1.795        |        | 144           | 202                | Y                 |  |               | - WC                               | NV.      |
|                           | lotal   |       | 1,624    |                          | LEC L   | 2,099        | :      | 1.402         | 231                | 1.633             |  |               | 34                                 |          |
|                           | Urban I | 1.92) | 27.418   |                          | 29.3391 | 45.6291      | 3.8131 | 27706         | 1505               | 70.27             | 1221 6                                   | 100 (         | 1 205                              | 102.7 0  |
| Provincial Total          | leru)   |       | 30,575   |                          | 30.573  | 49.197       | +      | 3 4 4         | 0.55               | 17 004            |  | 82.2          | 272<br>272                         | <b>2</b> |
|                           | Total   | 1.921 | 57,993   |                          | 59.914  | 94.826       | 3,813  | 59,160        | 9.05               | 77.078            | 2133                                     | 1017          | 2200                               | 10.7     |
|                           |         |       |          |                          |         |              |        |               |                    |                   |  | 2000          | ~~~~                               | 10.10    |

8 - 32

Sector Sector

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|                      |           | ž       | No. households Serv | Served in 2003 | 03     |           |         |                    | Phase 1  | Phase II Coverage (2010) | ~ 1     |               |                                      |        |
|----------------------|-----------|---------|---------------------|----------------|--------|-----------|---------|--------------------|----------|--------------------------|---------|---------------|--------------------------------------|--------|
| Name of Municipality | Area      | 5       | 3                   |                | 1      | Total No. |         | Household Coverage | Coverage |                          | Addi    | tional No. of | Additional No. of Hills to be Served | erved  |
| •                    |           | Flush   | Pour Flush          | VIP/Dry        | Total  | of HHs    | Flush   | Pour Flush         | VIP/Dry  | Total                    | Flush   | Pour Flush    | VIP/Dry                              | Total  |
|                      | Urban     | 111     | 555                 | 74             | 740    | 1,606     | 747     | 673                | 74       | 1,494                    | 636     | 118           |                                      | 754    |
| Alegria              | Rural     |         | 892                 | 158            | 1,050  | 2,103     |         | 1,735              | 158      | 1,893                    |         | 843           |                                      | 843    |
| •                    | Total     | 111     | 1,447               | 232            | 1,790  | 3,709     | 747     | 2,408              | 232      | 3,387                    | 636     | 196           |                                      | 192,1  |
|                      | Urban     | 161     | 126                 | 128            | 1,276  | 2,690     | 1,251   | 1,123              | 128      | 2,502                    | 1,060   | 991           |                                      | 1,226  |
| Bacuag               | Rural     |         | 522                 | - 92           | 614    | 1,423     |         | 1,189              | -<br>26  | 1,281                    |         | 667           |                                      | 667    |
| 3                    | Total     | 161     | 479                 | 220            | 068.1  | 4,113     | 1,251   | 2,312              | 220      | 3.783                    | 1.060   | . 833         | :                                    | 1,893  |
|                      | Urban     | 78      | 387                 | 52             | 517    | 1.179     | 548     | 496                | 52       | 1.096                    | 470     | 109           |                                      | 579    |
| Basilisa (Rizal)     | Rural     |         | 3.153               | 557            | 3.710  | 8,300     |         | 6.913              | 557      | 7.470                    |         | 3.760         | :                                    | 3.760  |
|                      | Total     | 184     | 3.540               | 609            | 4.227  | 9.479     | 548     | 7.409              | 609      | 8.566                    | 270     | 3,869         |                                      | 4339   |
|                      | Urban     | 57      | ľ                   | 38             | 380    | 678       | 316     | 277                | 38       | 631                      | 259     |               |                                      | 259    |
| Bureos               | Rural     |         |                     | 151            | 103    | 204       |         | 69                 | 151      | 184                      |         | 81            |                                      | 8      |
|                      | Total     | <u></u> | 373                 | 22             | 187    |           | 315     | 446                | 2        | 815                      | 250     |               |                                      | 0772   |
|                      | 1 Charles | , CI    | 200                 | 20             | 010    | NAD 1     | 1029    | 202                |          | 1 330                    |         |               |                                      |        |
| Cadianao             | Dural C   |         | 010                 |                |        |           |         | 2001               | 441      |                          | 010     |               |                                      | 832    |
|                      | Total I   | 761     | 1447                | 228            | 100    | 3 62      | 080     | 1,001              | 228      | 2 220                    | 1778    | 202           |                                      | C2 ( 1 |
|                      | l Irhan   |         | 100                 | 142            | 1221   | 2246      | 1001    | 054                | 137      | 2182                     | 1001    |               |                                      | 100    |
| Claver               |           |         | 000                 | +              | 1.1.7  | 5178      | 1,22,1  | 1 787              | 144      | 0.00                     |         |               |                                      | 723    |
| 2                    | 1 and 1   |         | 1224                |                | 1012 0 | 112 V     | 1001    | 727                |          | 2V1 V                    | 100.1   | 202           |                                      | VLO I  |
|                      | T Luber   | 926     |                     | Xo             | 170    | 1912      | 1741    | 1 1726             | 194      |                          | 100     | 6             |                                      |        |
| Dana                 | Durall    |         | 523                 | 2              | 1001   | 1.287     |         | 1047               | 2        | 1158                     |         | 420           |                                      | 1007   |
| 3                    | Total     | 040     | 2002                | 100            | 2 200  | 04/1      | 1 1 1 1 | 1000               | 104      | 010                      | 1 1 2 3 | 000           |                                      | 1 202  |
|                      | 1 inhan   |         | 102                 | <u>k</u>       | KAK    | 1001      | 484     | 410                | , v      | 048                      | 484     |               |                                      | 737    |
| Del Carmen           | Rural     |         | 1561                | 122            | 1472   | 2,808     | 3005    | 2,006              | 221      | 2.527                    | 300     | 755           |                                      | 1 055  |
|                      | Total     |         | 1 812               | 286            | 2118   | 944       | 784     | 2425               | 286      | 202 5                    | 784     | 755           |                                      | 1 530  |
|                      | ( Irhan   |         | 092                 | 14             | 4101   | 009       | 3.05    | 284                | 4        | 059                      | 1561    |               |                                      | 565    |
| Dinacat              | Rund      |         | 805                 | C71            | 1740   | 0.91      |         | 1381               | 142      | 1.523                    |         | 576           |                                      | 576    |
|                      | Total     |         | 1174                | 183            | 735 1  | 2 301     | 305     | 1 665              | 183      | 2.173                    | 325     | 576           |                                      | 105    |
|                      | []rhan    | 971     | 570                 | - <u>77</u>    | - 444  | 1451      | 675     | 105                | 77       | 072                      | 055     | 8             |                                      | 577    |
| General Luna         | Rural     |         |                     | 8              | 1 307  | 2 632     |         | 2.173              | 901      | 2 369                    |         | 1 062         |                                      | 1.062  |
|                      | Total     | 116     | 969                 | 273            | 2.079  | 4.083     | 675     | 2.770              | 273      | 3.718                    | 655     | 1.080         |                                      | 1.639  |
|                      | Urhan     | 55      | 275                 | 103            | 1.033  | 2,111     | 982     | 878                | 103      | 1.963                    | 827     | 103           |                                      | 026    |
| Gieaouit             | Rural -   |         | 232                 | 217            | 1440   | 2,083     | 537     | 1.931              | 217      | 2,685                    | 537     | 1009          |                                      | 1.236  |
|                      | Total     | 1551    | 2 007               | 120            | 2 487  | 5 004     | 1 510   | 2 800              | 2002     | 4 648                    | 1 464   | 802           |                                      | 2.166  |
|                      | Urban-    |         | 520                 | 38             | 578    | 952       | 443     | 384                | 58       | 583                      | 443     | }<br>}        |                                      | 243    |
| Libio (Albor)        | Rural     |         | 1.640               | 290            | 1.930  | 3.802     |         | 3.132              | 290      | 3.422                    |         | 1.492         |                                      | 1.492  |
|                      | Total     |         | 2,160               | 348            | 2.508  | 4,754     | 443     | 3.516              | 348      | 4,307                    | 443     | 1,492         |                                      | 1.935  |
|                      | Urban     | 156     | 184                 | 104            | 1.041  | 1,886     |         | 773                | 104      | 1,754                    | 721     |               |                                      | 721    |
| Coreto               | Rural     |         |                     | <u> 74</u>     | 492    | 929       | 1       | 762                | 74 -     | 836                      | 1       | ž             |                                      | 344]   |
|                      | Total     | 156     |                     | 1281           | 1,533  | 2,815     | 1218    | ·····1.535         | 841      | 2,590                    | 721     | 344           |                                      | 1,065  |
|                      | Urban     | 236     | 1,178               | 157            | 1,571  | 2,952     | 1,373   | 1.215              | 157      | 2,745                    | 1.137   | 37            | -                                    | 1,174  |
| Mainit               | Rural     |         | 1.1                 | 278            | 1,854  | 3,556     | 640     | 2.282              | 278      | 3.200                    | 640     | 206           |                                      | 1.346  |
|                      | Total     | 236     | 2,754               | 435            | 3,425  | 6,508     | 2,013   | 3,497              | 435      | 5,9451                   | 1,7771  | 743           |                                      | 2.520  |
|                      | Urban     | 151     | 755                 | 101            | 1,007  | 1,706     | 794     | 6921               | 101      | 1,587                    | 643     |               |                                      | 643    |
| Malimono             | Rural     |         | 996                 | 171            | 1,137  | 1,859     |         | 1,502              | 121      | 1,673                    |         | 536           |                                      | 536    |
| -                    |           | 171     | 1 7 7 1             | Lie C          |        | 1323 -    |         |                    | New Y    |                          |         |               |                                      |        |

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

|                        |         |                       | No. Louisbalde | COAC =1 houmes | 5              |           |          |                    | Phore I  | Phase II Coverade (2010) | 10100  |              |   |             |
|------------------------|---------|-----------------------|----------------|----------------|----------------|-----------|----------|--------------------|----------|--------------------------|--------|--------------|---|-------------|
|                        |         |                       |                |                | 8              | -         |          |                    |          |                          | _      |              |   |             |
| Name of Municipality   | Area    | 1                     | Barre Flack    | - Wally        | <b>**</b> ^*-1 | Total No. |          | Household Coverage | Coverage |                          | Addi   | donal No. of | Additional No. of HHs to be Served  | Lved        |
|                        |         | USN14                 | Four Flush     |                | 100 T          | of HHs    | Flush    | Pour Flush         | VIP/Dry  | Total                    | Flush  | Pour Flush   | VIP/Dry   | Total       |
|                        | Urban   |                       | 350            | 39             | 389            | - 695     | 323      | 284                | 6E       | 646                      | 323    |              |   | 323         |
| Pilar                  | Rural   |                       | 782            | 138            | 920            | 1,505     |          | 1,577              | 138      | 1,715                    |        | 202          |   | 795         |
|                        | Total   |                       | 1,132          | 1771           | 1.309          | 2,600     | 323      | 1,861              | 1261     | 2,361                    | 323    | 795          |   | 1,118       |
|                        | Urban   |                       | 1,865          | 207            | 2,072          | 4,180     | 1,944    | 1,736              | 207      | 3.887                    | 1,944  |              | -   | 1,944       |
| Placer                 | Rural   |                       | -1,315         | 232            | 1.547          | 2,914     | 525      | 1,866              | 232      | 2,623                    | 525    | 551          |   | 1,076       |
|                        | Total   |                       | 3,180          | 439            | 3,619          | - 1,094   | 2,469    | 3.602              | 439      | 6,510                    | 2,469  | 551          | •   | 3,020       |
|                        | Urban   | •                     | 336            |                | 373            | 652       | 303      | 266                | 37[      | 909                      | 303    |              |   | 303         |
| San Benito             | Rural   | 1<br>1<br>1           | 326            | -S7            | 383            | - 138     |          | 607                | 57       | 198                      | :      | 281          |   | 281         |
|                        | Total   |                       | 662            | 36             | 756            | 1,390     | 303      | 873                | \$       | 1.270                    | 303    | 281          |   | 584         |
|                        | Urban   | 103                   |                | 69             | 686            | 1,231     | 573      | 503                | 69       | 1,145                    | 470    |              |   | 470         |
| San Francisco (Anao-   | Rural   |                       |                | 051            | 1,002          | 1.922     | 346      | 1.234              | 150      | 1,730                    | 346    | 382          |   | 728         |
| (uov)                  | Total   | 103                   |                | 219            | 1.688          | 3,153     | 616      | 1.737              | 219      | 2,875                    | . 816  | 382          |   | 1,198       |
|                        | Urban   |                       | :              | 90             | 301            | 572       | 266      | 236                | 30       | 532                      | 266    |              |   | 266         |
| San Isidro             | Rural   | and the second second | 529            | 93             | 622            | 1.344     | :        | 1,117              | 93       | 1,210                    |        | 588          | :   | <u>\$85</u> |
|                        | Total   |                       | 800            | 123            | 923            | 1,916     | 260      | 1,353              | 123      | 1,742                    | 266    | 583          |   | 854         |
|                        | Urban   |                       | 1 661          | 222            | 2,215          | 4,163     | 1,936    | 1,714              | 222      | 3,872                    | 1,604  | 53           |   | 1,657       |
| San Jose               | Rural   |                       |                | 224            | 1,496          | 3,009     | -        | 2,484              | 224      | 2,708                    | •      | 1,212        | -   | 1.212       |
|                        | Total   | 332                   | 2,933          | 446            | 3,711          | 7,172     | 1.936    | 4,198              | 446      | 6,580                    | 1,604  | 1.265        |   | 2,869       |
|                        | Urban   | <u>[</u> <b>4</b> ]   | 207            | 28             | 276            |           | 246      | 217                | 82       | 161                      | 205    | 10           |   | 215         |
| Santa Monica (Sapao)   | Rural   |                       | 665            | 117            | 782            | 1,623     | 8        | 1,254              | 117      | 1,461                    | 8      | 589          | 1   | 679         |
|                        | Total   | 41                    | 872            | 145            | 1,058          | 2,151     | 336      | 1,471              | 145      | 1,952                    | 295    | 599          | · · · · · ·   | 894         |
|                        | Urban   |                       | 486            | 5              | 540            | 892       | 415      | 361                | 54       | 830                      | 415    |              |   | 415         |
| Sison                  |         | and the second        | 812            | 143            | 955            | 1,932     | 348]     | 1,248              | 143      | 1,739                    | 348    | 436          | - <b>-</b>  | 784         |
|                        | Total   |                       | 1,298          | 197            | 1,495          | 2,824     | 763      | 1,609              | 197      | 2,569                    | 763    | 436]         |   | 1.199       |
|                        | Urban   |                       | 1121           | 130            | 1.301          | 2,479     | 1,153    | 1,022              | 130      | 2,305                    | 1,153  |              |   | 1,153       |
| Socorro                | Rural   | tere e contratas      | 985            | 174            | 1,159          | 2.573     |          | 2,142              | 174      | 2.316                    |        | 1 157        |   | 1,157       |
|                        | Total   |                       | 2,156          | 304            | 2,460          | 5,052     | 1,153    | 3,164              | 304      | 4.621                    | 1,153  | 1,157        |   | 2310        |
|                        | Urban   | 1,681                 | 8,404          | 1,121          | 11 206         | 21,412    | 9,957    | 8,835              | 1,121    | 19.913                   | 8,276  | 431          |   | 8 707       |
| Surigao City (Capital) | Rural   |                       | 5,130          | 905            | 6,035          | 11,378    | 500      | 8,835              | 905      | 10.240                   | 500    | 3,705        |   | 4,205       |
|                        | Total   | 1,681                 | 13,534         | 2,026          | 17,241         | 32,790    | 10,457   | 17,670             | 2,026    | 30.153                   | 8,776  | 4.136        |   | 12.912      |
|                        | Urban   |                       | 844            | Ł              | 938            | 1,715     | 798      | 703                | s : 94]∘ | 1 595                    | 1864   |              |   | 798         |
| Tagana-An              | Rural   |                       | 921            | 162            | 1,083          | 2,075     |          | 90.4               | 162      | 1,868                    |        | 785          |   | 785         |
| ,                      | Total   |                       | 1,765          | 256            | 2,021          | 3,790     | 1864     | 2,409              | : 256    | 3,463                    | 198    | 785          |   | 1.583       |
|                        | Urban   |                       | 358            | 40             | 398            | 600       | 279      | 239                |          | 558                      | 279    |              |   | 279         |
| Tubajon                | Rural   |                       | 622            | 110            | 732            | 1,408     |          | 1,157              | 110      | 1,267                    |        | 535          | <b>.</b><br>  | 535         |
|                        | Total   |                       | 980            | 150            | 1,130          | 2,008     | 279      | 1,396              | 150      | 1,825                    | 279    | 535          |   | 814         |
|                        | Urban   |                       | 258            | 29             | 287            | 405       | 189      | 159                | 29       | 377                      | 189    |              | -   | 189         |
| Tubod                  | Rurat   |                       | 1,144          | 202            | 1:346          | 2,352     | 423      |                    | 202      | 2.117                    | 423    | 348          |   | 11          |
|                        | Total   |                       | 1.402          | 231            | 1,633          | 2,757     | 612      | 1.651              | 231      | 2 494                    | 612    | 348          | a a service a s | 096         |
|                        | Urban - | 3.813                 | 27.706         | 3,505          | 35,0241        | 65,402    | - 30,419 | 26,899             | 3,505    | 60.823                   | 26,606 | 1.045        |   | 27.651      |
| Provincial Total       | Rural   |                       | 31,454         | 5,550          | 37,004         | 72.651    | 4,019    | 55,820             | 5,550    | 62 389                   | 4,019  | 24,366       |   | 28,385      |
|                        | Total   | 3,813                 | 59,160         | 9,055          | 72,028         | 138,053   | 34,438   | 82,719             | 9,055    | 126.212                  | 30,625 | 25,411       |   | 56,036      |

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

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|                          |   |  | Phase I Coverage (2003)               | crage (2003)  | -  | Phase II Cov                          | Phase II Coverage (2010)                                       |
|--------------------------|---|--|---------------------------------------|---|--|---------------------------------------|--|
| Name of Municipality     | Std. No. of Public<br>School Student that<br>can be Served in the<br>Base Year (1997) | Projected No. of<br>Public School<br>Student in 2003 | Public School<br>Students<br>Coverage | Additional No. of<br>Public School<br>Student to be<br>Served | Projected<br>Number of Pulic<br>School Students<br>in 2010 | Public School<br>Students<br>Coverage | Additional No. of<br>Public School<br>Students to be<br>Served |
| Alcgna                   | 1,040   | 3,508  | 2.982                                 | 1,942   | 3,749  | 3,374                                 | 392  |
| Bacuag                   | 2,138   | 2,421  | 2.058                                 |   | 2,698  | 2,428                                 | 370  |
| Basilisa (Rizal)         | 3,000   | 5,392  | 4,583                                 | 1,583   | 7,036  | 6,332                                 | 1.749  |
| Burgos                   | 240   | 935  | 795                                   | 555   | 983  | 885                                   | 90   |
| Cagdianao                | 2,840   | 2,862  | 2,433                                 |   | 2,868  | 2,581                                 | 148  |
| Claver                   | 3,600   | 4,149  | 3,527                                 |   | 4,489  | 4,040                                 | 513  |
| Dapa                     | 480   | 4,858  | 4,129                                 | 3,649   | 4,769  | 4,292                                 | 163  |
| Del Carmen               | 2,156   | 2,364  | 2,009                                 |   | 2,965  | 2,669                                 | 660  |
| Dinagat                  | 880   | 2,503  | 2,128                                 | 1,248   | 2,489  | 2.240                                 | 112  |
| General Luna             | 1,920   | 3,528  | 2,999                                 | 1,079   | 4,143  | 3,729                                 | 730  |
| Gigaquit                 | 3,009   | 3,418  | 2,905                                 |   | 4,040  | 3.636                                 | 731  |
| Libjo (Albor)            | 520   | 3,910  | 3,324                                 | 2,804   | 4,495  | 4,046                                 | 722  |
| Loreto                   | 1.458   | 1,673  | 1,422                                 |   | 1.839  | 1,655                                 | 233  |
| Mainit                   | 3,040   | 6,151  | 5,228                                 | 2,188   | 6.106  | 5,495                                 | 267  |
| Malimono                 | 1,680   | 3,949  | 3,357                                 | 1,677   | 4,048  | 3.643                                 | 286  |
| Pilar                    | 660   | 1,752  | 1,489                                 | 529   | 2,110  | 1.899                                 | 410  |
| Placer                   | 4,919   | 5,610  | 4,769                                 |   | 6,341  | 5,707                                 | 938  |
| San Benito               | 1,600   | 1.499  | 1.274                                 |   | 1.560  | 1.404                                 | 130  |
| San Francisco (Anao-Aon) | 2,524   | 2,799  | 2,379                                 |   | 2.919  | 2,627                                 | 248  |
| San Isidro               | 1,578   | 1,784  | 1.516                                 |   | 2.056  | 1.850                                 | 334  |
| San Jose                 |   |  |                                       |   |  |                                       |  |
| Santa Monica (Sapao)     | 640   | 1,479  | 1,257                                 | . 617   | 1,666  | 1,499                                 | 242  |
| Sison                    | 1,840   | 2,567  | 2,182                                 | 342   | 3,110  | 2.799                                 | 617  |
| Socorro and a la la      | 2,640   | 4,382  | 3,725                                 | 1,085   | 5,066  | 4,559                                 | 834  |
| Surigao City (Capital)   | 20,720  | 32,264   | 27,424                                | 6.704   | 31,950   | 28,755                                | 1.331  |
| Tagana-An                | 1,040   | 3,038  | 2,582                                 | 1,542   | 3,548  | 3,193                                 | 611  |
| Tubajon                  | 1,320   | 1.920  | 1.632                                 | 312   | 2,043  | 1.839                                 | 207  |
| Tubod                    | 960   | 2,472  | 2.101                                 | 1,141   | 2,728  | 2,455                                 | 354  |
| Provincial Total         | 68,742  | 113,187  | 96,209                                | 28,997  | 121.814  | 109,631                               | 13,422   |

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

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| Nate of<br>Municipality         Type         Type         No. of FU         <   |                         |                      | Coverage I                              | Coverage in Base Year                 | Pha                                     | Phase I Coverage (2003)                                      | 03)                                   | Pha                                     | Phase I Coverage (2010)                                      | 10)  |
|---|-------------------------|----------------------|---|---------------------------------------|---|--|---------------------------------------|---|--|--|
| Nuble Market         1 <t< th=""><th>Name of<br/>Municipality</th><th>Туре</th><th>No. of PU<br/>with Tollets<br/>Facilities</th><th>No. of PU<br/>with Sanitary<br/>Toilets</th><th>No. of PU<br/>with Toilets<br/>Facilities</th><th>Add'L No. of<br/>Public Utilities<br/>with Sanitary<br/>Toilets</th><th>No. of PU<br/>with Sanitary<br/>Toilets</th><th>No. of PU<br/>with Toilets<br/>Facilities</th><th>Add'L No. of<br/>Public Utilities<br/>with Sanitary<br/>Toilets</th><th>the second s</th></t<> | Name of<br>Municipality | Туре                 | No. of PU<br>with Tollets<br>Facilities | No. of PU<br>with Sanitary<br>Toilets | No. of PU<br>with Toilets<br>Facilities | Add'L No. of<br>Public Utilities<br>with Sanitary<br>Toilets | No. of PU<br>with Sanitary<br>Toilets | No. of PU<br>with Toilets<br>Facilities | Add'L No. of<br>Public Utilities<br>with Sanitary<br>Toilets | the second s |
| Air       Baus/Jegorus/<br>Tentas Playground       1 <th1< th="">       1       1</th1<>  |                         | Public Market        | 1                                       | 1                                     | 1                                       |  | 1                                     | 1                                       |  | 1  |
| <sup>11</sup> ParkSPlaygeound         1         1         2         1 <th1< th=""> <th1< th="">         1</th1<></th1<>   |                         | Bus/Jeepney Terminal |   |                                       | 1                                       | 1  | 1                                     | 1                                       |  | -1   |
| Total         1         1         2         1         2         3         1           %         Bus/leeposy Terminal         2         2         2         3         1 <td>Alegna</td> <th>Parks/Playground</th> <td></td> <td></td> <td>:</td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td>  | Alegna                  | Parks/Playground     |   |                                       | :                                       |  |                                       | 1                                       | 1  | 1  |
| Statistic Market         2         1 <th1< th="">         1         1</th1<>  |                         | Total                | 1                                       | 1                                     | 2                                       | 1  | 2                                     | 3                                       |  | 3  |
| R         Function         1<   |                         | Public Market        | 2                                       | 2                                     | 2                                       |  | 2                                     | 2                                       |  | 2  |
| <sup>68</sup> Parkerblaygeund         2         2         3         1 <th1< th=""> <th1< th="">         1</th1<></th1<>   |                         | Bus/Jeepney Terminal |   |                                       | +                                       |  |                                       | 1                                       |  | 1  |
| Total         2         2         3         1 <td>Bacuag</td> <th>Parks/Playground</th> <td>:</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>. 1</td> <td>1</td>   | Bacuag                  | Parks/Playground     | :                                       |                                       |   |  |                                       | 1                                       | . 1  | 1  |
| Relation         Public Market         1  |                         | Total                | 2                                       | 2                                     | 3                                       |  | 3                                     | 4                                       | 1 -  | 4  |
| Bus/leopory Terminal         Imale         Imale </td <td></td> <th>Public Market</th> <td>-</td> <td>-</td> <td></td> <td></td> <td>1</td> <td>1</td> <td></td> <td>1</td>   |                         | Public Market        | -                                       | -                                     |   |  | 1                                     | 1                                       |  | 1  |
| Second         Parker/Playground         1  | £                       | Bus/Jeepney Terminal | -                                       |                                       |   |  |                                       |   |  |  |
| Total         Total         1         1         2         2         2         2         2         2         2         2         2         2         1   | (KIZA)                  | Parks/Playground     |   |                                       | 1                                       | ľ  | 1                                     | 1                                       |  | 1  |
| Public Market         1         <   |                         | Total                | ··· 1 ···                               |                                       | 2                                       | 1  | 2                                     | 2                                       |  | 2  |
| Bus/Jeepiney Terminal         2         1   |                         | Public Market        | 1                                       | 1                                     | 1                                       |  | 1                                     | 1                                       |  | 1  |
| <sup>NS</sup> Parks/Playground         2         2         2         2         2         2         2         2         2         2         1  |                         | Bus/Jeepney Terminal |   |                                       | :                                       |  |                                       |   |  |  |
| Total         3         4         1 <td>Sogma</td> <th>Parks/Playground</th> <td>2.5</td> <td>2</td> <td>2</td> <td></td> <td>2</td> <td>2</td> <td></td> <td>2</td>  | Sogma                   | Parks/Playground     | 2.5                                     | 2                                     | 2                                       |  | 2                                     | 2                                       |  | 2  |
| Public Market         1         <   |                         | Total                | Э                                       | 3                                     | 3                                       |  | 3                                     | 3                                       |  | 3  |
| Bus/leepney Terminal         I  |                         | Public Market        | 1                                       | . 1 .                                 | 1 .                                     |  | 7                                     | ent                                     | -  | -1   |
| Parks/Playground         1  | Condioner               | Bus/Jeepney Terminal |   |                                       |   |  |                                       |   |  |  |
| Total         1         1         2         1         2 <td>Cagaialao</td> <th>Parks/Playground</th> <td></td> <td>•</td> <td>••••<br/>• •<br/>• •</td> <td></td> <td></td> <td></td> <td></td> <td></td>   | Cagaialao               | Parks/Playground     |   | •                                     | ••••<br>• •<br>• •                      |  |                                       |   |  |  |
| Public Market         1         <   |                         | Total                | 1 2 2 1                                 | 1                                     | 1                                       |  | . 2                                   | 2                                       |  | 7  |
| Bus/Jeepney Terminal       1       1       1       2       2       2       2         ParksPlaygound       1       1       1       1       1       1       1       1       1       1         ParksPlaygound       3       3       4       1       4       4       4         Public Market       2       2       2       2       2       2       2       2         Bus/Jeepney Terminal       2       5       5       2       2       2       2       2       2         Inten       Public Market       1   |                         | Public Market        | 1                                       | 1                                     | 1                                       |  |                                       | -                                       |  | -  |
| ParksPlaygouid       1  |                         | Bus/Jeepney Terminal |   | 1                                     | · 2 · 5                                 | 1  | 2                                     | 2                                       |  | 61   |
| Total         3         3         3         4         1         4         4           Public Market         2   | Claver                  | Parks/Playground     | 1                                       | 1                                     | l l                                     |  | · · · * 1 🕴                           | 1                                       |  | 1  |
| Public Market         2         5         <   |                         | Total                | 3                                       | :<br>                                 | 4                                       | . 1  | 4                                     | 4                                       |  | 4  |
| Bus/leepney Terminal         2         2         2         2         2         2         2         2         2         2         1  |                         | Public Market        | 2                                       |                                       | 2                                       |  | 2                                     | 2                                       | · · · · · · · ·  | 2  |
| Parks/Playground     1     1     1       Total     5     5     5       Total     5     5     5       Public Market     1     1     1       Bus/feepney Terminal     1     1     1       Inten     Parks/Playground     1     1     2  |                         | Bus/Jeepney Terminal | 2                                       | 2                                     | 2                                       |  | 2                                     | 2                                       |  | 2  |
| Total         5 <td>Lapa</td> <th>Parks/Playground</th> <td>-<br/>-</td> <td><b>1</b></td> <td>1</td> <td></td> <td>1</td> <td>1 · 1</td> <td></td> <td>-</td>  | Lapa                    | Parks/Playground     | -<br>-                                  | <b>1</b>                              | 1                                       |  | 1                                     | 1 · 1                                   |  | -  |
| Public Market     1     1     1     1       Bus/Jeepney Terminal     1     1     1     1       ParksPlayground     1     1     1     2       Total     1     1     2     1  |                         | Total                | Ś                                       | S                                     | <b></b>                                 |  | \$:<br>                               | .5                                      |  | \$   |
| Bus/Jeepney Terminal Bus/Jeepney Terminal I I I I I I I I I I I I I I I I I I I   |                         | Public Market        | 1                                       |                                       | l i l'e e                               |  | 1 1                                   | 1 .                                     |  | 1  |
| ParksPlayground         1         1         1         1         1         1         1         1         2         2         1         2 <th2< th="">         2         <th2< th="">         &lt;</th2<></th2<>  |                         | Bus/Jeepney Terminal |   |                                       |   |  |                                       |   |  |  |
|   |                         | Parks/Playground     |   |                                       |   | 1  | - <b>1</b>                            | 1                                       |  | 1  |
|   |                         | Total                | · · · ·                                 | -<br>-<br>-                           | 2                                       | - 1 -  | 2                                     | 2                                       |  | 2  |

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

|                         |                      | Coverage in (19                         | Coverage in Base Year<br>(1997)       | Pha                                     | Phase I Coverage (2003)                                      | 03)                                   | Pha                                     | Phase I Coverage (2010)                                      | 10)                                   |
|-------------------------|----------------------|---|---------------------------------------|---|--|---------------------------------------|---|--|---------------------------------------|
| Name of<br>Municipality | Туре                 | No. of PU<br>with Tollets<br>Facilities | No. of PU<br>with Sanitary<br>Toilets | No. of PU<br>with Toilets<br>Facilities | Add'L No. of<br>Public Utilities<br>with Sanitary<br>Toilets | No. of PU<br>with Sanitary<br>Toilets | No. of PU<br>with Toilets<br>Facilities | Add'L No. of<br>Public Utilities<br>with Sanitary<br>Toilets | No. of PU<br>with Sanitary<br>Toilets |
|                         | Public Market        | 1                                       | 1                                     | 1                                       |  | 1                                     | 2                                       | 1  | 2                                     |
|                         | Bus/Jeepney Terminal |   |                                       |   |  |                                       |   |  | •                                     |
| Dinagat                 | Parks/Playground     | 4                                       | 4                                     | 4                                       |  | 4                                     | 4                                       |  | 4 \                                   |
|                         | Total                | 5                                       | 5                                     | 5                                       |  | S                                     | 0                                       | -  | 0.                                    |
|                         | Public Market        |   |                                       | 1                                       | -  | 1                                     | -                                       |  | -                                     |
| ;                       | Bus/Jeepney Terminal |   |                                       |   |  |                                       |   |  |                                       |
| General Luna            | Parks/Playpround     |   |                                       | 1                                       | 1  |                                       | -                                       |  |                                       |
|                         | Total                |   |                                       | 2                                       | 2  | 2                                     | 7                                       |  | 2                                     |
|                         | Public Market        | <b>I</b>                                | 1                                     | 1                                       |  |                                       |   |  |                                       |
| -                       | Bus/Jeenney Terminal |   |                                       | 1                                       | 1  |                                       | 1                                       |  |                                       |
| Gigaquit                | Parks/Playground     | 3                                       | 3                                     | 3                                       |  | Э                                     | ю                                       |  |                                       |
| -                       | Total                | 4                                       | 4                                     | s                                       | 1  | Ś                                     | S                                       |  |                                       |
|                         | Public Market        |   |                                       | -1                                      | -  |                                       |   |  | 1                                     |
|                         | Bus/Jeepney Terminal |   |                                       |   |  |                                       |   |  |                                       |
| Frago (Albor)           | Parks/Playground     | . <b>S</b>                              | 5                                     | 5                                       |  | ŝ                                     |   |  |                                       |
|                         | Total                | <b>S</b>                                | 5                                     | ه                                       | 1  | ø                                     | 0                                       |  | 0,                                    |
|                         | Public Market        | 1                                       | 1                                     | -1                                      |  |                                       |   |  | -                                     |
|                         | Bus/Jeepney Terminal | -                                       |                                       |   |  |                                       |   |  | , (                                   |
| Loreto                  | Parks/Playground     | 2                                       | 2                                     | 3                                       | 1  | θ                                     | 6                                       |  | 1                                     |
|                         | Total                | e                                       | 3                                     | 4                                       | -  | 4                                     | 4                                       |  | 4 (                                   |
|                         | Public Market        | 1                                       | 1                                     | -                                       |  |                                       | 7                                       |  | 7                                     |
|                         | Bus/Jeepney Temmal   | 3                                       | 3                                     | e                                       |  | m                                     | m                                       |  | ~                                     |
| Mainit                  | Parks/Playground     |   |                                       | 1                                       | 1  |                                       |   |  | -\                                    |
|                         | Total                | 4                                       | 4                                     | 5                                       | 1  | S                                     | و                                       |  | 0                                     |
|                         | Public Market        | 1944 I                                  | <b>1</b>                              | -                                       |  | -                                     |   |  |                                       |
| ;                       | Bus/Jeepney Terminal | 1                                       | 1                                     | · 1 ·                                   |  | 7                                     | -1                                      |  |                                       |
| Mahmono                 | Parks/Playground     | 6                                       | 6                                     | 1                                       | 1  | 7                                     | 6                                       |  | _                                     |
|                         | Total                | 8                                       | 8                                     | 9                                       |  | 6                                     | 6                                       |  | ъ.                                    |
|                         | Public Market        | 1                                       | 1 .                                   | 1                                       |  |                                       |   |  |                                       |
|                         | Bus/Jeepney Terminal |   |                                       |   |  |                                       |   |  |                                       |
| TEN T                   | Parks/Playground     | 1                                       | , I                                   |   |  | (                                     |   |  | -                                     |
|                         | Total                | 2                                       | 2                                     | 2                                       |  | 7                                     | 7                                       |  | *                                     |

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| Toilets in Phase I and II                           |
|---|
| tilities with Sanitary <b>1</b>                     |
| ie 8.5.7 Additional Number of Public Utilities with |
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|  |                      | Coverage I   | Coverage in Base Year                 | 1                                       | (   |                                       |   |   |                                       |
|--|----------------------|--|---------------------------------------|---|---|---------------------------------------|---|---|---------------------------------------|
|  |                      | SID  | (1997)                                | Ph                                      | Phase I Coverage (2003)                           | <b>)03)</b>                           | Ph2                                     | Phase I Coverage (2010)                           | (010)                                 |
| Name of<br>Municipality                              | Type                 | No. of PU<br>with Tollets<br>Facilities  | No. of PU<br>with Sanitary<br>Toilets | No. of PU<br>with Tollets<br>Facilities | Add'L No. of<br>Public Utilities<br>with Sanitary | No. of PU<br>with Sanitary<br>Toilets | No. of PU<br>with Toilets<br>Facilities | Add'L No. of<br>Public Utilities<br>with Sanitary | No. of PU<br>with Sanitary<br>Toilets |
|  | Dublic Market        |  |                                       |   | roner   |                                       | •                                       | 1 ouers   |                                       |
|  |                      |  | -                                     |   |   |                                       | , , , , , , , , , , , , , , , , , , ,   |   | ~4                                    |
| Placer   | Bus/Jeepney Terminal | 2  | 5                                     | 7                                       |   | 2                                     | 2                                       |   | 2                                     |
|  | Parks/Playground     |  |                                       | 1 1                                     | 1   | 1                                     | 2                                       | 1   | 7                                     |
|  | Total                | : E  | e                                     | 4                                       | 1   | 4                                     | 5                                       |   | Ŷ                                     |
|  | Public Market        |  | <br>                                  |   |   |                                       |   |   |                                       |
| مناحد 10 میں اور | Bus/Jeepney Terminal |  | -4                                    | -                                       |   |                                       | 1                                       |   |                                       |
|  | Parks/Playground     | 1  |                                       | F4                                      |   |                                       |   |   |                                       |
|  | Total                | Ϋ́   | <b>m</b>                              | R                                       |   |                                       | 6                                       |   | m                                     |
|  | Public Market        |  |                                       |   |   |                                       | -                                       |   |                                       |
| San Francisco (Anao-                                 |                      |  |                                       |   |   |                                       | I                                       |   |                                       |
| Aon)   | Parks/Playground     |  |                                       |   |   |                                       |   |   |                                       |
|  | Total                |  |                                       | 2                                       |   | 2                                     | m                                       | -1  | ę                                     |
| •  | Public Market        | 1  | 1                                     |   |   |                                       | 1                                       |   |                                       |
| San Teideo   | Bus/Jeepney Temmal   | 1911 - 1917 - 19 |                                       |   |   |                                       |   |   |                                       |
|  | Parks/Playground     |  | <br>-<br>-                            | 1                                       | 1   | 1                                     | 1                                       |   | -1                                    |
|  | Total                | <b>1</b>   | 1                                     | 2                                       | 1   | 2                                     | 2                                       |   | 2                                     |
|  | Public Market        | 2  | 2                                     | 2                                       |   | 2                                     | 2                                       |   | 2                                     |
| San Jose   | Bus/Jeepney Terminal |  |                                       |   | ·   |                                       |   |   |                                       |
|  | Parks/Playground     | 2  | . 2                                   | 2                                       |   | 2                                     | 5                                       |   | 2                                     |
|  | Total                | 4  | 4                                     | 4                                       |   | 4                                     | 4                                       |   | 4                                     |
|  | Public Market        | 1  | 1                                     | 1                                       |   | 1                                     |   |   | 1                                     |
| Canta Monica (Sanao)                                 | Bus/Jeepney Terminal |  |                                       | 1 1                                     | 1   |                                       |   |   | 1                                     |
|  | Parks/Playground     |  |                                       |   |   |                                       |   |   |                                       |
|  | Total                | 1 1  | 1                                     | 2 2 2                                   | <b>.</b>  | 2.                                    | 2                                       |   | 7                                     |
|  | Public Market        | · 1. · · ·   | 1                                     |   |   | <br>                                  | -                                       |   | <b>-</b>                              |
| Cierre   | Bus/Jeepney Terminal |  |                                       |   |   | . [                                   | 1                                       |   |                                       |
| TIASI  | Parks/Playground     |  |                                       |   |   |                                       |   |   |                                       |
|  | Total                | 1 1  | 1                                     | 2                                       | 1   | 2                                     |   |   | ~                                     |
|  | Public Market        | 2  | 2                                     | 2                                       |   | 2                                     | 2                                       |   | 5                                     |
| Socorro  | Bus/Jeepney Terminal |  |                                       |   |   |                                       |   |   |                                       |
|  | Parks/Playground     | 1  | 1 1                                   | 1 1                                     |   | 1                                     | -                                       |   | 1                                     |
|  | Total                | t  | Γ Έ                                   |   |   | ŕ                                     | ·<br>·                                  |   | Ī                                     |



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

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|                         |                      | Coverage i                              | Coverage in Base Year<br>(1997)       | Ph                                      | Phase I Coverage (2003)                                       | 003)                                  | Ph:                                     | Phase I Coverage (2010)                                       | 10)                                   |
|-------------------------|----------------------|---|---------------------------------------|---|---|---------------------------------------|---|---|---------------------------------------|
| Name of<br>Municipality | Type                 | No. of PU<br>with Toliets<br>Facilities | No. of PU<br>with Sanitary<br>Toilets | No. of PU<br>with Toilets<br>Facilities | Add'l. No. of<br>Public Utilities<br>with Sanitary<br>Toilets | No. of PU<br>with Sanitary<br>Toilets | No. of PU<br>with Toilets<br>Facilities | Add'l. No. of<br>Public Utilities<br>with Sanitary<br>Toilets | No. of PU<br>with Sanitary<br>Toilets |
|                         | Public Market        | 6                                       | 6                                     | 9                                       |   | 6                                     | 6.                                      |   | 6                                     |
| Surigao City            | Bus/Jeepney Terminal | 2                                       | 2                                     | 2                                       |   | 2                                     | 2                                       |   | 2                                     |
| (Capital)               | Parks/Playground     | 5                                       | 7                                     | 2                                       |   | 2                                     | 2                                       |   | 2                                     |
|                         | Total                | 10                                      | 10                                    | 10                                      |   | 10                                    | 10                                      |   | 10                                    |
|                         | Public Market        | 4                                       | 1                                     | . 1                                     |   | I                                     | 1                                       |   | 1                                     |
|                         | Bus/Jeepney Terminal |   |                                       | 1                                       | 1   | 1                                     | 1                                       |   | -1                                    |
| I agana-An              | Parks/Playground     | -                                       |                                       |   |   |                                       | -4                                      | P-4   | 1                                     |
|                         | Total                | 1                                       | 1                                     | 2.                                      | 1   | 2                                     | ñ                                       | 1   | 3                                     |
|                         | Public Market        | - I                                     | 1                                     | 1                                       |   | 1                                     |   |   | 1                                     |
|                         | Bus/Jeepney Terminal |   |                                       |   |   |                                       |   |   |                                       |
| Tuoson 1                | Parks/Playground     |   |                                       | -                                       | 1   | 1                                     | 1                                       |   |                                       |
|                         | Total                | *-4                                     | 1                                     | 2                                       | 1   | 2                                     | 2                                       |   | 2                                     |
|                         | Public Market        | I                                       | 1                                     | 1                                       |   | 1                                     | 1                                       |   |                                       |
| There                   | Bus/Jeepney Terminal |   |                                       | 1                                       | 1   |                                       | 1                                       |   |                                       |
|                         | Parks/Playground     |   |                                       |   |   |                                       | -1                                      |   |                                       |
|                         | Total                | Ţ                                       | 1                                     | 2                                       | 1   | 2                                     |   | 1<br>1  | 3                                     |
|                         | Public Market        | 35                                      | 35                                    | 37 -                                    | 2   | 37                                    | 39                                      | 2   | 39                                    |
| 1                       | Bus/Jeepney Terminal | 12                                      | 12                                    | 21                                      | 6   | 21                                    | 21                                      |   | 21                                    |
| Frovincial Lotal        | Parks/Playground     | 31                                      | 31                                    | 41                                      | 10  | 41                                    | 48                                      | 7   | 48                                    |
|                         | Total                | 78                                      | 78                                    | 66                                      | 21  | 66                                    | 108                                     | 6   | 108                                   |

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## 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 x 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 in Table 8.6.2, however, required data were not available during this PW4SP preparation.

#### 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. Thirty four (34) untapped springs suitable for Level II system were confirmed during this PW4SP preparation.

(2) Required well drilling and rehabilitation equipment

Presently, only one unit of manual type drilling rig is available at DPWH-DEO in the province.

Taking into account the maximum utilization of existing equipment, additional 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 technical to 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

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|                         | Reference                 |                           | nansion of F                       | on Expansion of Existing Level 118 System | 1 III Sveter               |                       |  | Phase I (2003)                    | Recutrements             |                          |  | Phase 11 (2010)                   | Phase II (2010) Remirements |                            |
|-------------------------|---------------------------|---------------------------|------------------------------------|---|----------------------------|-----------------------|--|-----------------------------------|--------------------------|--------------------------|--|-----------------------------------|-----------------------------|----------------------------|
|                         |                           |                           |                                    |   |                            |                       | 2  |                                   | Techory Vield            |                          |  |                                   | Daily Average               | Vamber of                  |
| Name of<br>Municipality | Name of<br>Operating Body | Area                      | No. of Servec<br>Barangay Populati | e in 1997<br>Served<br>Population         | Type of<br>Water<br>Source | Plan for<br>Expansion | Additional<br>Population<br>to be Served | Number of<br>House<br>Connections | Water<br>Water<br>Demand | Spring<br>Dev'L<br>Dev V | Additional<br>Population<br>to be Served | Number of<br>House<br>Connections | Water<br>Demand             | Spring<br>Dev't/<br>Dev't/ |
| Alegría                 | Brgy, Quano               | Urban                     |                                    | 1,040                                     | ŧ                          | 2                     |  |                                   |                          |                          | 5 062                                    | 1.266                             | <b>20</b> 5                 | -                          |
|                         | :                         | 1 0(a)                    | -                                  | 0701                                      | •                          | 2                     |  | •                                 |                          |                          |  |                                   |                             |                            |
| Bucuag                  | Bacuag WD                 | Urban<br>Rura<br>Total    |                                    | 2,875                                     | SP                         | No                    | 4,730                                    | 846                               | 473                      | 1                        | 2,615                                    | 654                               | 262                         | 1                          |
| (Basilisa (Rizal)       | Not Applicable            | Urban<br>Rura<br>Total    | <b>4</b><br>7<br>7                 | Y Y<br>Y Y                                | ₹Z                         | N.A.                  | 1,414                                    | 520                               | 141                      | -                        | 3,065                                    | 766                               | 307                         |                            |
| Burgos                  | LGS-Burgos                | Urbun<br>Rural<br>Total   | 7                                  | 321                                       | ę,                         | Ŷ                     | 451                                      | £                                 | 45                       |                          | 1,804                                    | 451                               | 180                         | -                          |
| Cagdianao               |                           | Urban<br>Rural<br>Totai   |                                    | <u>zz</u>                                 | es.                        | Ŷ                     | 4,366                                    | <b>268</b>                        | 437                      |                          | 1,104                                    | 276                               | 011                         |                            |
| Claver                  | ble                       | Urban<br>Runal<br>Total   | 77<br>77<br>7                      | X X<br>X X                                | N.A.                       | N.A.                  | 1.627                                    | 323                               | 23                       |                          | 2,288                                    | 77,8'1                            | 729                         | 1                          |
| Dapa                    | Consolacion               | Urban<br>Rural<br>Total   |                                    | 08C,1                                     | SP                         | °Ž.                   | 275.1                                    | 281                               | 138                      | -                        | 9.171                                    | 2,295                             | 216                         | 7                          |
| Del Carmen              | Del Cariwasa Inc.         | Urban<br>Rural<br>Total   | ~~~~                               | 2 <u>8</u> 8                              | SP/Surf                    | Ŷ                     |  |                                   | L 10 LOV-                |                          | 3,889                                    | 972                               | 389                         | I                          |
| Dinagat                 | Not Applicable            | Urban<br>Rural<br>Total   | V N<br>V N                         | YN  | N.A.                       | N.A.                  |  |                                   |                          |                          | 2,655                                    | 664                               | 256                         | -                          |
| General Luna            | abie                      | Urban<br>Rural<br>Total   | N.N.                               | Y N<br>N N                                | N.A.                       |                       | 1,169                                    | 222                               | 117                      | 1                        | 4"344                                    | 1,086                             | 434                         | -                          |
| Gigaquit                | mbique                    | Urban<br>Rural<br>Total   | -                                  | 393                                       | DgW                        | Ň                     | 2,334                                    | 431                               | 233                      |                          | 3.244                                    | 811                               | 324                         | -                          |
|                         | liqi                      | Urban<br>Rural<br>Total   |                                    | 556                                       | Mga                        | No                    |  |                                   |                          |                          |  |                                   |                             |                            |
|                         | Mahanub                   | Urban<br>Rurai<br>Total   |                                    | 1.503                                     | ds                         | °ž.                   |  |                                   |                          |                          |  |                                   |                             |                            |
|                         | Poniente                  | Urban<br>Rural<br>Total   |                                    | 1,597                                     | S,                         | ę                     |  |                                   |                          | ,                        |  |                                   |                             |                            |
|                         | io                        | Urban<br>Xural<br>Total   |                                    | 702                                       | SP                         | No                    |  |                                   |                          |                          |  |                                   |                             |                            |
|                         | San Isidro                | Urban<br>Rural<br>Total   |                                    | 794                                       | DgW                        | No                    | <u></u>                                  |                                   |                          |                          |  | <u> </u>                          |                             |                            |
|                         | Municipal Total           | Urban.<br>Rural.<br>Total | * ~ ~                              | 2,445<br>3,100<br>5,545                   |                            |                       |  |                                   |                          |                          |  |                                   |                             |                            |
|                         |                           |                           |                                    |   |                            |                       |  |                                   |                          |                          |  |                                   |                             |                            |

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Table 8.6.1 Urban Water Supply Facilities Required by Target Year

|                             | Reference                     |                           | pansion of <b>H</b>                     | on Expansion of Existing Level 111 System               | 3 III Syste                | ε                     |  | Phase I (2003)                    | Phase I (2003) Requirements                               |   |  | Phase II (2010) Requirements      | Requirements  |   |
|-----------------------------|-------------------------------|---------------------------|---|---|----------------------------|-----------------------|--|-----------------------------------|---|---|--|-----------------------------------|---|---|
| Name of<br>Municipality     | Name of<br>Operating Body     | Area                      | Coverag<br>No. of<br>Barangay<br>Served | Coverage in 1997<br>No. of Served<br>Frangay Population | Type of<br>Water<br>Source | Plan for<br>Expansion | Additional<br>Population<br>to be Served | Number of<br>House<br>Connections | Daily Average<br>Water<br>Demand<br>(m <sup>3</sup> /dav) | Number of<br>Spring<br>Dev U<br>Deen Welt | Additional<br>Population<br>to be Served | Number of<br>House<br>Connections | Daily Average<br>Water<br>Demand<br>(m <sup>3</sup> /day) | Number of<br>Spring<br>Dev't./<br>Deep Well |
| Libjo (Albor)               | Not Applicable                | Crban<br>Rural<br>Total   |   | YN<br>XN  | N.A.                       | N.N.                  | 116'1                                    | 372                               | 161   | I   | 1,707                                    | 427                               | 1,21  | ÷   |
| Loreto                      | LGU-Loreto                    | Urben<br>Rural<br>Total   | 4                                       | 499   | 8                          | Ŷ                     | 841                                      | 38                                | 18  | -   | 6,491                                    | EZ9'I                             | 649   | 1   |
|                             | Mun.Government                | Urban<br>Kural<br>Total   | 2<br>19<br>21                           | 1 698<br>5,297<br>6,993                                 |                            | No                    | 404                                      | п                                 | 04  | - :                                       | 9,114                                    | 2,279                             | 911   | ત   |
| Malimono                    | Government                    | Urbun<br>Rural<br>Total   |   | 733<br>257  |                            | No                    | 4,587                                    | 905                               | 459   | 1   | 1,162                                    | 291                               | 116   | I   |
| Pilar                       | Not Applicable                | Urban<br>Rural<br>Total   | VN<br>VN                                | YN  | N.N.                       | N.A.                  | 132                                      | 25                                | 13  | I   | 2,507                                    | 627                               | 152   |   |
| Placer                      | Anislagan                     | Urban<br>Rural<br>Total   |   | 675<br>675  | SP                         | No                    |  |                                   |   |   | 15,885                                   | 1.26'5                            | 1,589   | £   |
|                             | Bugas-bugas                   | Urbau<br>Rural<br>Total   |   | 99<br>99  | SP                         | N0                    | <b></b>                                  |                                   |   |   | ·  |                                   |   |   |
|                             | Municipal Total               | Urban.<br>Rural.<br>Total |   | 867<br>867  |                            |                       |  |                                   |   |   |  |                                   |   |   |
| San Benito                  | LGU-San Benito                | Urban<br>Rural<br>Total   | 2                                       | 420   |                            | No                    | 686                                      | 123                               | 69  | ı   | 575,1                                    | SM2                               | 137   |   |
| San Francisco<br>(Anao-Aon) | Bahite                        | Urban<br>Rural<br>Total   |   | 009   | 8                          | No<br>No              | 75                                       | 15                                | ∞   | 1   | 2,998                                    | 750                               | 8   | -   |
|                             | Banbanon                      | Crbun<br>Rural<br>Total   |   |   |                            | No                    |  |                                   | <u> </u>  |   |  |                                   |   |   |
|                             | Hubas                         | Urban<br>Runal<br>Total   | · ;<br>                                 | 1,442<br>1,034<br>2,476                                 |                            | No                    |  |                                   |   | t   |  |                                   |   |   |
|                             | Jubgan                        | Urban<br>Rural<br>Total   |   | 161   | SP                         | No                    |  |                                   |   |   | ù-                                       |                                   |   |   |
|                             | Magtangale                    | L'rban<br>Rural<br>Fotal  |   | 804<br>804  | SP                         | Ňo                    | , .                                      |                                   |   |   |  |                                   |   |   |
|                             | Osiao Urban<br>Rural<br>Trual | Urban<br>Rural<br>Total   |   | 00/   | ŝ                          | ž                     |  |                                   | <del>-</del>  |   |  |                                   |   |   |
|                             | Municipal Total               | Rural.<br>Total           |   | 3,138   |                            |                       |  |                                   |   |   |  |                                   |   |   |

 $C^{NQ^{n-1}}$ 

|                           | Reference                 |                          | pansion of h                   | on Expansion of Existing Level III System | 4 III Syster               |                       |  | Phase I (2003) | Requirements                                 |   |  | Phase II (2010)                   | Phase 11 (2010) Requirements                                |  |
|---------------------------|---------------------------|--------------------------|--------------------------------|---|----------------------------|-----------------------|--|----------------|--|---|--|-----------------------------------|---|--|
| Name of<br>Municipality   | Name of<br>Operating Body | L                        | Coverage<br>No. of<br>Barangay | Vo. of Served<br>In Population            | Type of<br>Water<br>Source | Plau for<br>Expansion | Additional<br>Population<br>to be Served |                | Daily Average<br>Water<br>Demand<br>(m²/dav) | Number of<br>Spring -<br>Dev't./<br>Deep Well | Additional<br>Population<br>to be Served | Number of<br>House<br>Connections | Daily Average<br>· Water<br>Demand<br>(m <sup>2</sup> /dav) | Number of<br>Spring<br>Devt./<br>Deep Well |
| San Isidro                | Not Applicable            | Lithán<br>Rumai<br>Forai |                                | XX<br>XX                                  | N.A.                       | マズ                    |  |                |  |   | 2,174                                    | 44<br>7                           | 217   | 1  |
| San Jose                  | Brgy, Cuarinta            | Urban<br>Rural<br>Total  |                                | 98C                                       | ŝ                          | Ŷ                     | 8,325                                    | 1,505          | 832  | 2   | 7,110                                    | 1,778                             | 111   | 1  |
| Santa Monica<br>(Sapao)   | Garcia                    | Urban<br>Rural<br>Total  |                                | 88  | ŝ                          | Ŷ                     |  |                |  |   | 9 <b>75</b>                              | 137                               | 55  | 1  |
|                           | LGU-Santa Monica          | Urbun<br>Rural<br>Total  |                                | 1,459                                     | ŝ                          | °N<br>N               |  |                |  |   |  |                                   |   |  |
|                           | Municipal Total           | Urban.<br>Rumi.<br>Total | r, - r,                        | 612<br>00                                 |                            |                       |  |                |  |   |  |                                   |   |  |
| Sison                     | LGU-Sison                 | Urban<br>Rural<br>Total  | - 24                           | 2,475                                     | es .                       | No                    | 1,261                                    | 245            | 921  | -   | 2,045                                    | 211                               | 205   | 1  |
|                           | Mabuhay                   | Urban<br>Rural<br>Total  |                                | 070                                       | S.                         | Ŷ                     |  |                |  |   |  |                                   |   |  |
|                           | Municipal Total           | Urban.<br>Rural.         |                                | 22<br>2,515<br>3,500                      |                            |                       |  |                |  |   |  |                                   |   |  |
| босото                    | Not Applicable            | Urben<br>Runal<br>Total  | YY<br>YY                       | Y'N<br>Y'N                                | . <b>.</b> .               | N.A.                  | 182                                      | 32             | 8  | -   | 612.6                                    | 2,310                             | 924   | ų  |
| Surigao City<br>(Capital) | Sungao Metro WD           | Urban<br>Runal<br>Total  | 400                            | 45,130                                    | DW/Surf                    | Ŷ.                    |  |                |  |   | 36,187                                   | 9,047                             | 3.619   | ş  |
| Tagana-An                 | Not Applicable            | Urban<br>Rural<br>Total  |                                | × 7<br>7 2                                | Y N                        | Y.Y.                  | 8  | 19             | 10   | -   | 6,415                                    | 1,604                             | 642   | 14   |
| Tubajon                   | Not Applicable            | Urban<br>Runal<br>Fotal  | X X<br>X X                     | N.A.<br>N.A.                              | A.N.                       | A.N.                  | 1,005                                    | 8              | 101  | -   | 1,274                                    | 618                               | 127   | 1  |
| Tubod                     | LGU-Brgys                 | Urban<br>Rural<br>Total  | 75                             | 2,194                                     | SP                         | °N.                   |  |                |  |   | 12                                       | 'n                                |   | F  |
|                           | Marga                     | Urban<br>Rura:<br>Total  |                                | 660'1<br>1,099                            | s,                         | °N.                   |  |                |  | ·   |  |                                   |   |  |
|                           | Poblacion                 | Urban<br>Rurai<br>Total  |                                | 233                                       | ŝ                          | Ŷ                     |  |                |  |   |  |                                   |   |  |
|                           | Timamana                  | Crban<br>Rura:<br>Total  |                                | 485                                       | đ                          | %                     | - ·                                      |                |  |   |  |                                   |   |  |
|                           | Municipal Total           | Urban.<br>Rural.<br>Otal | -0-                            | 1,526<br>5,787<br>7,313                   |                            |                       |  |                |  |   |  |                                   |   |  |
| Provinc                   | Provincial Total Rural    | Urhan<br>Rural           | н 3 ж                          | 61,726<br>23,006<br>84,722                |                            |                       | 36,310                                   | 6.916          | 3,632  | R   | 150,480                                  | 37,625                            | 15.049  | 37   |
|                           |                           |                          | I                              |   |                            |                       |  | ĺ              | Í  | Í   |  |                                   |   |  |

(3)SA)

8 - 43

| Name of Municipality     | Name of Operating   | Additional Areas                      | Additional                            |  | nal Water<br>arces              |
|--------------------------|---|---------------------------------------|---------------------------------------|--|---------------------------------|
|                          | Body  | Barangay to be<br>Covered             | Population to<br>be Served            | Туре                                   | Capacit<br>(m <sup>3</sup> /day |
| Alegria                  | Brgy, Ouano   |                                       | 1                                     |  |                                 |
| Bacuag                   | Bacuag WD   | <u></u>                               |                                       |  |                                 |
| Burgos                   | LGS-Burgos  |                                       |                                       |  |                                 |
| Cagdianao                | LGU-Cagdiano  |                                       |                                       |  | <b>+</b>                        |
| Dapa                     | Consolacion   |                                       |                                       |  |                                 |
| Del Carmen               | Del Caruwasa Inc.   |                                       |                                       |  |                                 |
| Gigaquit                 | Alambique   |                                       |                                       |  |                                 |
|                          | Ipil  |                                       |                                       |  | +                               |
|                          | Mahanub   |                                       |                                       |  |                                 |
|                          | Poniente  | <u> </u>                              |                                       |  | +                               |
|                          | San Antonio   | · · · · · · · · · · · · · · · · · · · | • · ·                                 |  |                                 |
|                          | San Isidro  |                                       |                                       | ···                                    | <u></u>                         |
|                          | Municipal Total   |                                       | <u> </u>                              |  | · · · · · ·                     |
| Loreto                   | LGU-Loreto  |                                       |                                       |  | ╉┈╧╍╍╍╍╸                        |
| Mainit                   | Mun.Government  |                                       |                                       |  |                                 |
| Malimono                 | Government  |                                       | {                                     |  | <b></b>                         |
| Placer                   | Anislagan   |                                       |                                       |  |                                 |
|                          | Bugas-bugas   |                                       | <u> </u>                              |  |                                 |
|                          | Municipal Total   |                                       |                                       |  |                                 |
| San Benito               | LGU-San Benito  | <u> </u>                              |                                       |  |                                 |
| San Francisco (Anao-Aon) | Balite  |                                       |                                       |  |                                 |
|                          | Banbanon  |                                       | }                                     |  | ·                               |
|                          | Hubas   |                                       |                                       |  |                                 |
|                          | Jubgan  | ·                                     |                                       |  | ÷                               |
|                          | Magtangale  |                                       | · · · · · · · · · · · · · · · · · · · | ······································ | <u> </u>                        |
|                          | Oslao   |                                       |                                       |  | <u> </u>                        |
|                          | Municipal Total   |                                       |                                       |  |                                 |
| San Jose                 | Brgy. Cuarinta  | ·                                     |                                       |  |                                 |
| Santa Monica (Sapao)     | Garcia  | ·                                     |                                       |  |                                 |
| (24)                     | LGU-Santa Monica  |                                       |                                       |  | <u> </u>                        |
|                          | Municipal Total   |                                       | · · · · · · · · · · · · · · · · · · · |  |                                 |
| Sison                    | LGU-Sison   |                                       |                                       |  |                                 |
|                          | Mabuhay   |                                       |                                       |  | <b> </b>                        |
|                          | Municipal Total   |                                       | <u>⊦</u> _}                           |  | ·                               |
| Surigao City (Capital)   | Surigao Metro WD  |                                       |                                       |  | +                               |
| Tubod                    | LGU-Brgys   | · · ·                                 | h                                     |  |                                 |
|                          | Marga   |                                       |                                       |  | ļ                               |
|                          | Poblacion   |                                       | <b> </b>                              |  | <b> </b>                        |
|                          | and the second se |                                       | }                                     |  | <b>_</b>                        |
|                          | Timamana  |                                       |                                       |  | · · · ·                         |
|                          | Municipal Total   |                                       |                                       |  | 1                               |

# Table 8.6.2 Plan for Expansion of Existing Level III Systems

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|                          |           |          | Phase | I (2003) Requirements | quiremen   | 5         |        |           |              | Phase                | (0102) II | Phase II (2010) Requirements | nts               |           |
|--------------------------|-----------|----------|-------|-----------------------|------------|-----------|--------|-----------|--------------|----------------------|-----------|------------------------------|-------------------|-----------|
|                          | Lev       | Level II |       |                       | Level 1    | el I      |        |           |              |                      | Level I   | 11                           |                   |           |
| Name of Municipality     | Number of | No. of   | Z     | Number of Deep Wells  | Deep Wells |           | No. of | i         | F-4          | Number of Deep Wells | eep Wells |                              | No. of<br>Shallow | Total     |
|                          | System    | Communal | 30 m  | 50 m                  | 70 m       | Sub-total | Wells  | IE10 I    | 30 m         | 50 m                 | 70 m      | Sub-total                    | Wells             |           |
|                          | Ċ         | 12V      |       |                       |            |           |        |           | 10           |                      |           | 10                           | 13                | 23        |
| Alcgna                   | 0         | 100      | Ţ     |                       |            |           |        |           |              | 2                    |           | 2                            | 9                 | 8         |
| Bacuag                   | 0         | 120      |       |                       |            |           |        | 10        |              |                      |           |                              | 127               | 127       |
| (Basilisa (Rizal)        |           |          |       |                       |            |           | 10     | 10        |              |                      |           |                              | in the            | <br> <br> |
| Burgos                   |           |          |       | :                     |            |           | 1      |           |              |                      |           |                              | NY.               |           |
| Cagdianao                |           |          | ,     | ·                     | ч<br>с     |           | 40     | 40<br>440 |              |                      |           |                              | 50                |           |
| Claver                   |           |          |       | 1<br>14               | -          |           | 7      | 7         |              |                      |           |                              | 30                | 10        |
| Dapa                     | •         |          |       |                       |            |           | 20     | 20        |              |                      |           |                              | 0                 |           |
| Del Camen                |           | 20       | 22    |                       |            | 22        | 9      | 31        | 21           |                      |           | 17                           | ۲                 | 2         |
| Dinagat                  | 6         | 180      |       |                       |            |           |        |           |              |                      |           |                              |                   | Č         |
| Generol I una            |           | 20       | 5     |                       |            | 5         | 6      | 12        | 12           |                      |           | 12                           | ISI               | 8         |
| Giazonit                 |           |          |       | 9                     |            | 9         | 20     | 26        |              | 8                    |           | 80                           | 8                 | 36        |
| Ungerfut                 |           |          |       |                       |            |           | 2      | 2         |              |                      |           |                              | 2                 | 1         |
|                          |           |          |       |                       |            |           |        |           | 12           |                      |           | 12                           |                   | 2         |
| Loreto                   |           |          |       |                       | 5          | <u>1</u>  | 11     | 56        |              |                      | 17        | 17                           | 17                | 34        |
| Mannit                   |           |          |       |                       |            | ***       |        |           |              |                      |           |                              |                   |           |
| Malimono                 |           | 20       | :     |                       |            | 10        |        | 02        | 14           |                      |           | 15                           | 0                 | 21        |
| Pilar                    |           |          | 21    |                       |            | 17        |        |           |              |                      |           |                              | 27                | 12        |
| Placer                   |           |          |       |                       |            |           | 717    | 17        |              |                      |           |                              | . "               |           |
| San Benito               |           |          | 14    |                       |            | 14        | Ŷ      | 77        | <u>.</u>     |                      |           | ) <u>:</u>                   | 2                 | 'n        |
| San Francisco (Anao-Aon) | 2         | 40       |       |                       |            |           |        |           |              |                      |           | -                            | ?                 | 371       |
| San Isidro               | . 6       | 120      |       |                       |            |           |        |           | 7            |                      |           | 4                            |                   | 24        |
| San Jose                 |           |          |       |                       |            |           | 84     |           |              |                      |           |                              | 37                | 3         |
| Santa Monica (Sapao)     |           |          |       |                       |            |           | 4      | 4         |              |                      |           |                              |                   |           |
| Sison                    |           |          |       |                       |            |           |        |           |              | -                    |           | -                            | 2:                | 24        |
| Socorro                  |           |          |       | 1                     |            |           | 27     | 27        |              |                      |           |                              | 1.5               | 10        |
| Surigao City (Capital)   |           |          | 16    |                       |            | 16        | 23     | 39        | <del>8</del> | -                    |           | 4                            | 72                | 212       |
| Tacana-An                | •         |          | 3     |                       |            | 2         | 2      | 9         | 4            |                      |           | 4                            | 2                 |           |
| Tubaion                  |           |          |       |                       | :          |           | 8      | 8         |              |                      |           |                              | 11                | 17        |
| Tubod                    |           |          |       |                       |            |           |        |           |              | -                    |           |                              |                   |           |
|                          |           | 1007     | 00    | Y                     | ¢.         | 80        | 244    | 242       | <u></u>      | -                    |           | 168                          | 2                 | 20        |

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

8-45

 $\frac{1}{2}$ 

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|                          |             |           | Ρŀ                        | Phase I (2003)  | 003) Requirements            | ents                                     |                |            |          |               | Ph                        | Phase II (2010) Requirements  | ) Requirem               | lents                      |                 |            |
|--------------------------|-------------|-----------|---------------------------|---|------------------------------|--|----------------|------------|----------|---------------|---------------------------|---|--------------------------|----------------------------|-----------------|------------|
|                          |             |           | Percenatge Allocat        | t Allocated 1   | ted to Public Facility (80%) | ucility (80                              | · (%           |            |          | Ĩ             | ercenatge                 | Percenatge Allocated to Public Facility (80%)   | o Public Fa              | teility (80%               |                 |            |
| Name of Municipality     |             | Percent   | ercentage /<br>age Alloca | Percentage Allocated for Public Wells (90%) and<br>Percentage Allocated for Public Spring Development (10%) | r Public W                   | ells (90%)<br>Jevelopm                   | and            |            |          | Pe<br>Percent | rcentage A<br>age Allocat | Percentage Allocated for Public Wells (90%) and<br>Percentage Allocated for Public Spring Development (10%) | Public W.<br>ic Spring I | ells (90%) a<br>Sevelopmer | илd<br>11 (10%) |            |
| •                        |             | Number of | Number of Deep Wells      | lls   | No. of                       |  | No. of         | Grand      | 6        | Number of     | Number of Deep Wells      | s s   | No. of                   |                            | No. of          | Grand      |
|                          | 30 m        | 50 m      | 70 m                      | Sub-total   | Wells                        |  | opring<br>Dev. | Total      | 30 m     | 50 m          | ш 20 ш                    | Sub-total   | Wells                    |                            | Sprag<br>Dev.   | Total      |
| Alegna                   |             |           | :                         |   |                              |  |                |            | 2        |               |                           | 4   | 6                        | 16                         | 2               | 18         |
| Bacuag                   |             |           |                           |   |                              |  |                |            |          |               |                           |   | 4                        | S                          | 1               | 0          |
| Basilisa (Rizal)         |             |           |                           |   | 2                            | 22                                       | 3              | 25         |          |               |                           |   | 92                       | Ŷ                          | 0               | 102        |
| Burgos                   |             | :         |                           |   | 1                            |  |                |            |          |               |                           |   | 2                        | 2                          |                 | <b>C</b> 2 |
| Cagdianao                |             |           | ····                      |   | 29                           | , 29                                     | 3              | 32         |          |               | :                         | ``  | 11                       | 1                          | -1              | :          |
| Claver                   | - 1         |           |                           | · · · •   | 1                            | ŀ  |                | 3          |          |               |                           |   | -                        |                            | 2               | 6          |
| Dapa                     |             | -         |                           |   | . 14                         | 14                                       | 2              | 16         |          |               |                           |   | 5                        | 5                          |                 | 0          |
| Del Carmen               | 16          |           |                           | 16  | 9                            | . 22                                     | m              |            | 16       |               |                           | - 1¢  | \$                       | . 22                       | 5               | 24         |
| Dinagat                  |             |           |                           |   | 11-12<br>11-12               |  |                |            |          | :             |                           |   |                          |                            |                 |            |
| General Luna             | 4           |           |                           | <b>4</b>  | S                            | 6  | 1              | 10         | 6        |               |                           | 6   | 13                       | - 22                       | त्व<br>ः        | 2          |
| Gigaquit                 |             | 4         |                           | 4   | 15                           | . 19                                     | . 2            | 21         | -        | 9             |                           | 9   | 50                       | 26                         | e.              | 8          |
| Libjo (Albor)            |             |           |                           |   | 1                            | ľ  | 4              | S          |          |               |                           |   |                          | 1                          | Ē               | 4          |
| Loreto                   |             |           |                           |   | -                            | -  |                |            | 6        |               |                           | 6   |                          | 0                          | 17              | 2          |
| Mainit                   | 1.1         |           | 8 8                       | 8   | 8                            | 16                                       | 2              | 18         |          |               | 12                        | 12  | 12                       | 24                         | m               | 27         |
| Maimono                  |             |           | -                         |   |                              |  |                |            |          |               |                           |   |                          |                            |                 |            |
| Pilar                    | 16          |           | 1. A. I.                  | 910 000   | 9                            | 22                                       | - 2            | 24         |          |               |                           | =   | 4                        | 15                         | 17              | 1          |
| Placer                   |             |           |                           |   | 15                           | 15                                       | 2              | - 17       |          |               | ::<br>::                  |   | 27                       | 27                         | m               | 8          |
| San Benito               | · 10        |           |                           | 10  | 9                            | 16                                       | 2              | 18         | <b>3</b> |               |                           | 3   | 7                        | :                          |                 | Ŷ          |
| San Francisco (Anao-Aon) |             |           |                           |   |                              |  |                |            | 8        |               |                           | 8   | 2                        | 15                         | 77              | 11         |
| San Isidro               |             |           |                           |   | <del>-</del> -               | :  |                | <b>-</b> . | 2        |               |                           | 2   | 10                       | 12                         |                 | 13         |
| San Jose                 |             |           |                           |   | 60                           | 60                                       | 7              | 67         |          |               |                           |   | 71 .                     | 14                         | Ñ               | 191        |
| Santa Monica (Sapao)     | -           |           |                           |   | - <b>10</b>                  | 10                                       | 1              | 11         |          |               |                           | ,   | 12                       | 12                         |                 | 13         |
| Sison                    |             |           |                           | a sub-  |                              | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |                |            |          | -             |                           | 1   | 13                       | 14                         | લ               | 16         |
| Socorro                  |             |           |                           |   | 20                           | 20                                       | 2              | 22         |          |               |                           |   |                          | ន                          | e               | 22         |
| Surigao City (Capital)   | 12          |           |                           | 12  | 16                           |  | 3              | 31         | 35       |               |                           | . 32  | 51                       | - 86                       | 01              | 8          |
| Tagana-An                |             |           |                           | 1.  | 5                            | 6  | 1              | - 7        | 3        |               |                           | 3   | 13                       | 16                         | 6               | 81         |
| Tubajon                  | -<br>-<br>- | -         |                           | 1   | 5                            | 5  | <br>₹          | 9          |          |               |                           | <br>-<br>-  | 13                       | 13                         | ~-              | 4          |
| Tubod                    |             |           |                           |   |                              |  |                |            |          |               | -                         |   |                          |                            |                 |            |
| Provincial Total         | 59          | -4        | 8                         | 16  | 245                          | - 316                                    | 43             | 359        | 103      | 8             | 12                        | 123   | 364                      | 487                        | 61              | 548        |

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

I

(1996)

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 71 deep wells

Well rehabilitation equipment:

Average performance

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

Annual accomplishment

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

Required number

- 1 set for 10% of 71 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 percussion drilling rig, the following equipment shall

be mobilized/procured either by private sector or LGUs to accomplish the physical targets:

- 1 set of medium size percussion rig for total number of deep wells,
  - 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, service trucks equipped with crane are required for one unit of medium size percussion rig for hauling drilling tools and water.

|                          |       |               | Pha                         | Phase I (2003) ] | (2003) Requirements | ents          |                         |       |            |               | Phas                        | Phase II (2010) Requirements | Requirem | ients         |                         |       |
|--------------------------|-------|---------------|-----------------------------|------------------|---------------------|---------------|-------------------------|-------|------------|---------------|-----------------------------|------------------------------|----------|---------------|-------------------------|-------|
| Name of Municipality     | γq¢   | itional HF    | Additional HHs to be Served | ved              | Z                   | o. of HHs     | No. of HHs to be Served | đ     | Add        | ltional HH    | Additional HHs to be Served | ved                          |          | o. of HIHS    | No. of BHS to be Served |       |
|                          | Flush | Pour<br>Flush | NUL/AILA                    | Total            | Flush               | Pour<br>Flush | VIP/ Dry                | Total | Flush      | Pour<br>Flush | VIP/DIY                     | Total                        | Flush    | Pour<br>Flush | עוש/ שנא                | Total |
| Alegria                  | 111   |               | 74                          | 185              | 111                 |               | 74                      | 185   | 636        | 118           |                             | 754                          | 636      | 118           |                         | 75    |
| Bacuag                   | 191   |               | 128                         | 319              | 161                 |               | 128                     | 319   | 1.060      | 166           |                             | 1 226                        | 1 060    |               |                         | 1 226 |
| Basilisa (Rizal)         | 78    | 65            | 52                          | 189              | 78                  | \$5           |                         | 189   | 470        | 109           |                             | 579                          | 470      |               |                         | 579   |
| Burgos                   | 57    |               | 38                          |                  | 57                  |               | 38                      | 8     | 259        |               |                             | 259                          | 259      |               |                         | 259   |
| Cagdianao                | 126   | 86            | 84                          | 308              | 126                 | 86            |                         | 308   | Æ          |               |                             | 25                           | 542      |               |                         | 2     |
| Claver                   |       |               | 137                         | 137              |                     |               | 137                     | 137   | 1,00,1     |               |                             | 1,091                        | 1,091    |               |                         | 160-1 |
| Dapa                     | 279   |               | 186                         | 465              | 279                 | -             | 186                     | 465   | 1,182      |               |                             | 1.182                        | 1.182    |               |                         | 1.182 |
| Del Carmen               |       |               | 65                          | 65               |                     |               | . 65                    | 65    | 484        |               |                             | 484                          | 484      |               |                         | 484   |
| Dinagat                  |       | 14            | 41                          | 55               |                     | 14            | 41                      | 55    | 325        |               |                             | 325                          | 325      |               |                         | 325   |
| General Luna             | 116   |               | 17                          | 193              | 116                 |               | 11                      | 193   | 559        | 18            |                             | 577                          | 559      | 18            |                         | STI   |
| Gigaquit                 | 155   |               | 103                         | 258              | 155                 |               | 103                     | 258   | 827        | 103           |                             | 930                          | 827      | 103           |                         | 930   |
| Libjo (Albor)            |       |               | 58                          | 58               |                     |               | 58                      | 58    | <b>4</b> 3 |               | -<br>-                      | 43                           | 443      |               |                         | 443   |
| Loreto                   | 156   |               | 104                         | 260              | 156                 |               | 104                     | 260   | 721        |               |                             | 121                          | 121      |               |                         | 721   |
| Mainit                   | 236   |               | 157                         | 393              | . 236               |               | 157                     | 393   | 1,137      | 37            |                             | 1,174                        | 1,137    | 37            |                         | 1.174 |
| Malimono                 | 151   | D             | 101                         | 255              | 151                 |               | 101                     | 255   | 643        |               |                             | 643                          | 643      |               |                         | 643   |
| Pilar                    | -     |               | 99                          | 39               |                     |               | 39                      | . 39. | 323        |               |                             | 323                          | 323      |               |                         | 323   |
| Placer                   |       |               | 207                         | 207              |                     |               | 207                     | 207   | 1,944      |               |                             | 1,944                        | 1,944    |               |                         | 1.944 |
| San Benito               |       |               | 37                          | 37               | 1                   |               | 37                      | 37    | 303        |               |                             | 303                          | 303      |               |                         | 303   |
| San Francisco (Anao-Aon) | 103   |               | 69                          | 172              | 103                 | :             | 69                      | 172   | 470        |               |                             | 470                          | 470      |               |                         | 470   |
| San Isidro               | ·     | :             | õ                           | 30               |                     |               | 30                      | 30    | 266        |               |                             | 266                          | 266      |               |                         | 266   |
| San Jose                 | 332   |               | 222                         |                  | 332                 |               | 222                     | 554   | 1.604      | 53            |                             | 1,657                        | 1,604    | S             |                         | 1.657 |
| Santa Monica (Sapao)     | 14    | - 32          | 28                          | 101              | 41                  | 32            | 28                      | 101   | 205        | . 10          |                             | 215                          | 205      | 2             |                         | 215   |
| Sison                    |       |               | 54                          | 54               |                     |               | \$                      | 54    | 415        |               | .:                          | -415                         | 415      |               |                         | 415   |
| Socorro                  |       |               | 130                         | 130              |                     |               | 130                     | 130   | 1,153      |               |                             | 1,153                        | 1,153    |               |                         | 1.153 |
| Sungao City (Capital)    |       | 2,787         | 1,121                       | 3,908            |                     | 2,787         | 1,121                   | 3.908 | 8.276      | - 431         |                             | 8,707                        | 8,276    | 431           |                         | 8,707 |
| Tagana-An                |       |               | 94                          | 94               |                     |               | 94                      | - 94  | 798        |               |                             | 361                          | 798      |               |                         | 864   |
| Tubajon                  |       |               | 4                           | 4                |                     |               | 40                      | 40    | 279        |               |                             | 279                          | 279      |               |                         | 279   |
| Tubod                    | -     | -             | 29                          | 29               |                     |               | 29                      | 29    | 189        |               |                             | 189                          | 189      |               |                         | 189   |
| Provincial Total         | 2,132 | 2.993         | 3.505                       | 8.630            | 2.132               | 2.9931        | 3.5051                  | 8 630 | 1707.94    | 1 (145        |                             | 12266                        | 20, 205  | 1 045         |                         |       |

Table 8.6.4 Urban Household Toilets Required by Target Year

8 - 48

8.6.2 Sanitation

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|                          |       |               | Pha                         | Phase I (2003) | Requirements | ients                   |             |       |              |                             | Pha          | Phase II (2010) Requirements | Requiren | nents         |                         |        |
|--------------------------|-------|---------------|-----------------------------|----------------|--------------|-------------------------|-------------|-------|--------------|-----------------------------|--------------|------------------------------|----------|---------------|-------------------------|--------|
| Name of Municipality     | Ψ¢    | ditional HE   | Additional HHs to be Served | ved            |              | No. of HHs to be Served | to be Serve | q     | γpγ          | Additional BHs to be Served | is to be Sei | Ved                          | 4        | io. of HIHS   | No. of HHS to be Served |        |
|                          | Flush | Pour<br>Flush | VIP/Dry                     | Total          | Flush        | Pour<br>Flush           | VIP/ Dry    | Total | Flush        | Pour<br>Flush               | VIP/ Dry     | Total                        | Flush    | Pour<br>Flush | VIP/Dry                 | Total  |
| Alegria                  |       | 117           | 158                         | 275            |              | 117                     | 158         | 275   |              | 843                         |              | 843                          |          | 843           |                         | 843    |
| Bacuag                   |       |               | 92                          | 92             |              |                         | 92          | 8     |              | 667                         |              | 667                          |          | 667           |                         | 667    |
| Basilisa (Rizal)         |       | 342           | 557                         | 899            |              | 342                     | 552         | 668   |              | 3,760                       |              | 3,760                        |          | 3.760         |                         | 3,760  |
| Burgos                   |       | -3            | 15                          | 18             |              | 3                       | 15          | 18    |              | 18                          |              | 81                           | :        | 81            |                         | 81     |
| Cagdianao                |       |               | 144                         | 144            |              |                         | 144         | 144   | 310          | 278                         |              | 588                          | 310      | 278           |                         | 588    |
| Claver                   |       | 37            | 441                         | 214            |              | 37                      | 177         | 214   |              | 783                         |              | 783                          |          | 783           |                         | 783    |
| Dapa                     |       |               | 111                         | 111            |              |                         | 111         | 111   |              | 420                         |              | 420                          |          | 420           |                         | 420    |
| Del Carmen               |       | 384           | 221                         | 605            |              | 384                     | 221         | 605   | 300          | 755                         |              | 1,055                        | 300      | 755           |                         | 1,055  |
| Dinagat                  |       | 26            | 142                         | 168            | :            | 26                      | 142         | 168   |              | 576                         |              | 576                          |          | 576           |                         | 576    |
| General Luna             |       | 67            | . 196                       | - 24S          |              | 49                      | 196         | 245   |              | 1,062                       |              | 1,062                        |          | 1,062         |                         | 1,062  |
| Gigaquit                 | ·     |               | 217                         | 217            |              |                         | 217         | 217   | - 537        | 669                         |              | 1,236                        | 237      | 669           |                         | 1,236  |
| -ibjo (Albor)            |       | 381           | 290                         | 671            |              | 381                     | 290         | 129   |              | 1,492                       |              | 1,492                        |          | 1,492         |                         | 1,492  |
| oreto                    |       | 196           | 74                          | 270            |              | 961                     | 74          | 270   |              | 344                         |              | 344                          |          | 344           |                         | 344    |
| Mainit                   |       |               | 278                         | 278            |              |                         | 278         | 278   | <del>9</del> | 706                         |              | 1,346                        | 640      | 202           | •<br>:                  | 1,346  |
| Malimono                 |       |               | 171                         | 171            |              |                         | 171         | 171   |              | 536                         |              | 536                          |          | 536           |                         | 536    |
| Pilar                    | 2     | LL            | 138                         | 215            |              | 77                      | 138         | 215   |              | 795                         |              | 795                          |          | 795           |                         | 262    |
| Placer                   |       | 140           | 232                         | 372            |              | 140                     | 232         | 372   | 525          | 551                         |              | 1,076                        | 525      | 551           | F-4                     | 1,076  |
| San Benito               |       | 168           | - 27                        | 225            |              | 168                     | 57          | 225   |              | 281                         |              | 281                          |          | 281           |                         | 281    |
| San Francisco (Anao-Aon) |       |               | 150                         | 150            |              |                         | 150         | 150   | 346          | 382                         |              | 728                          | 346      | 382           |                         | 728    |
| San Isidro               |       | 156           | 93                          | 249            |              | 156                     | 93          | 249   |              | 588                         |              | 588                          |          | 588           |                         | 583    |
| San Jose                 |       | 94            | 224                         | 318            |              | 84                      | 224         | 318   |              | 1,212                       |              | 1,212                        |          | 1,212         |                         | 1,212  |
| Santa Monica (Sapao)     |       | 109           | 117                         | 226            |              | 109                     | 117         | 226   | 80           | 589                         |              | 679                          | 8        | 589           |                         | 679    |
| Sison                    |       |               | 143                         | 143            |              |                         | 143         | 143   | 348          | 436                         |              | 784                          | 348      | 436           |                         | 784    |
| Socorro                  |       | 123           | 174                         | 297            |              | 123                     | 174         | 297   |              | 1,157                       |              | 1,157                        |          | 1,157         |                         | 1.157  |
| Surigao City (Capital)   |       |               | 905                         | 905            |              |                         | 506         | 905   | 500          | 3,705                       |              | 4,205                        | 500      | 3,705         |                         | 4,205  |
| Tagana-An                |       |               | 162                         | 162            |              |                         | 162         | 162   |              | 785                         |              | 785                          |          | 785           | •                       | 785    |
| <b>Tubajon</b>           |       | 500           | 110                         | 310            |              | 200                     | 110         | 310   |              | 535                         |              | 535                          |          | 535           |                         | 535    |
| lubod                    |       |               | 202                         | 202            |              |                         | 202         | . 202 | 423          | 348                         |              | - 122 -                      | 423      | 348           |                         | 771    |
| Provincial Total         |       | 2,602         | 5,550                       | 8,152          |              | 2,602                   | 5,550       | 8,152 | 4,019        | 24,366                      |              | 28,385                       | 4,0191   | 24,366        |                         | 28,385 |

Table 8.6.5 Rural Household Toilets Required by Target Year

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8 - 49

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Table 8.6.6 Public School Toilets Required by Target Year

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|                          | (CONT) I SCHIT I   | Phase I (2003) Requirements | ents       | Phase II (2010) Requirements | Requiren | ents       |
|--------------------------|--------------------|-----------------------------|------------|------------------------------|----------|------------|
| Name of Municipality     | 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 |
| Alegria                  | 1,942              | - 49                        | 10         | 392                          | 10       | 2          |
| Bacuag                   |                    |                             |            | 370                          | 10       | 2          |
| Basilisa (Rizal)         | 1,583              | 40                          | ~          | 1,749                        | 4        | 0          |
| Burgos                   | 555                | 14                          | m          | 06                           | m        |            |
| Cagdianao                |                    |                             | :          | 148                          | 4        | 1          |
| Claver                   |                    |                             | •          | 513                          | 13 🦈     | m          |
| Dapa                     | 3,649              | 92                          | 19         | 163                          | 5        | 1          |
| Del Camen                |                    |                             |            | 660                          | 17 .     | 4          |
| Dinagat                  | 1.248              | : 32                        | - 7        | 112                          | m        | 1          |
| General Luna             | 1,079              | 27                          |            | 730                          | 19       | 4          |
| Gigaquit                 |                    |                             |            | 731                          | 19       | 4          |
| Libjo (Albor)            | 2,804              | 11                          | · 15 ·     | 722                          | 19       | 4          |
| Coreto                   |                    |                             |            | 233                          | : Q      | 5          |
| Mainit & Second Second   | 2,188              | 55                          | 11         | 267                          | - 7      | 2          |
| Malimono                 | 1,677              | 42                          | 6          | 286                          | 8        | 2          |
| Pilar                    | 529                | 14                          | 3          | 410                          | 11.      | 5          |
| Placer                   |                    | :                           |            | - 938                        | - 24     | S          |
| san Benito               |                    |                             |            | 130                          | 4        | -          |
| san Francisco (Anao-Aon) |                    |                             | -          | 248                          | -        | 7          |
| San Isidro               |                    |                             |            | 334                          | 6        | 2          |
| San Jose                 |                    |                             |            |                              |          |            |
| Santa Monica (Sapao)     | 617                | 16                          | . 4        | 242                          | 2        | 2          |
| Sison                    | 342                | 6                           | 2          | 617                          | 16       | 4          |
| δοςοπο                   | 1,085              | - 28                        | 6          | 834                          | 21       | Ś          |
| surigao City (Capital)   | 6,704              | 168                         | 34         | 1.331                        | 34       | 7          |
| agana-An                 | 1.542              | 39                          | 8          | 611                          | 16       | 4          |
| [ubajon]                 | 312                | 8                           | 2          | 207                          | و        | 2          |
| ubod                     | 1,141              | 29                          | . 6        | 354                          | 6        | 2          |
| Provincial Total         | 28,997             | 733                         | 153        | 13.422                       | 351      | 81         |

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|                          |                  | Phase I (2003) Requirements   | Requirements  |       |                  | Phase II (2010) Requirements | Requirements         |       |
|--------------------------|------------------|-------------------------------|---------------|-------|------------------|------------------------------|----------------------|-------|
|                          |                  | Number of Public Toilets      | ublic Toilets |       |                  | Number of Public Toilets     | ublic Toilets        |       |
| Name of Municipality     | Public<br>Market | Bus/Jeepney<br>Terminal       | Plaveround    | Total | Public<br>Market | Bus/Jeepney<br>Terminal      | Parks/<br>Plaveround | Total |
| Alema                    |                  |                               |               | 1     |                  |                              | 1 1                  | 1     |
| Bacuat                   |                  | 1                             |               | 1     |                  |                              | 1 1                  | 1     |
| Basilisa (Rizal)         |                  |                               | 1             | 1     |                  |                              |                      |       |
| Burgos                   |                  |                               |               |       |                  |                              |                      |       |
| Cagdianao                |                  |                               | 1 I           | 1     |                  |                              |                      |       |
| Claver                   |                  | T                             |               |       |                  |                              |                      |       |
| Dapa                     |                  |                               |               |       |                  |                              |                      |       |
| Del Carmen               |                  |                               | ۲ ۲           | 1     |                  |                              |                      |       |
| Dinagat                  |                  |                               |               |       | 1                |                              |                      |       |
| General Luna             | 1                |                               | 1             | 2     |                  |                              |                      |       |
| Gigaquit                 |                  | Ţ                             |               | 1     |                  |                              |                      |       |
| Libjo (Albor)            | 1                |                               |               | 1     |                  |                              |                      |       |
| oreto                    |                  |                               | 1             | 1     |                  |                              |                      |       |
| Mainit                   |                  |                               | 1             | 1     | 1                |                              |                      |       |
| Malimono                 |                  |                               | 1             | 1     |                  |                              |                      |       |
| Pilar                    |                  |                               |               |       |                  |                              |                      |       |
| Placer                   |                  |                               | 1             | 1     |                  |                              |                      |       |
| an Benito                |                  |                               |               |       |                  |                              |                      |       |
| San Francisco (Anao-Aon) |                  | ĭ                             |               | -     |                  |                              |                      | 1     |
| San Isidro               |                  |                               | . 1           | F-1   |                  |                              |                      |       |
| San Jose                 |                  |                               |               |       |                  |                              |                      |       |
| Santa Monica (Sapao)     |                  | ľ                             |               |       |                  |                              |                      |       |
| Sison                    |                  | 1                             |               | -1    |                  |                              |                      |       |
| Socorto                  |                  |                               |               |       |                  |                              |                      |       |
| Surigao City (Capital)   |                  |                               |               |       |                  |                              |                      |       |
| Tagana-An                |                  | ĭ                             |               | 1     |                  |                              |                      |       |
| Tubajon                  |                  |                               | ц             |       |                  |                              |                      |       |
| Tubod                    |                  | 1                             |               | 1     |                  |                              | 1                    |       |
|                          |                  | ليستنب والمستريد المستريد الم |               | - 10  | ر<br>ر           |                              | <u> </u>             | 0     |

Table 8.6.7 Public Toilets Required by Target Year

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