


Appendix B-22 Volume from/to Port in 2010 (M1)




Appendix B-25 volume ftom/to port in 2010 (H1)


Appendix B-26 Volume from/to Port in 2010 (H1)



Unit (kn/h)


Appendix B-28 Speed from/to Port in 2010 (M1)


$1020^{30^{50}}{ }^{10}$

Appendix B-30 Speed from/to Port in 2010 (M2)


Appendix B-31 Speed from/to port in $2010(\mathrm{H} 1)$ I


Appendix B-33 Links of Speed down and Volume up Year 2010 Medium Case 1

| $(A) \stackrel{\text { Node }}{(B)}$ | $\begin{aligned} & \qquad(A)->(B) \\ & \text { Speed }(k / 1 / \text { h) Volume } \\ & \text { Orgnl. Down Up } \end{aligned}$ |  |  | Speed Orgnl | (h) Down | $\begin{aligned} & \text { lume } \\ & \text { Up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 103358 | 68.77 | 17.89 | 10140 | 56.76 | 29.59 | 10786 |
| 10101014 | 79.81 | 18.91 | 9453 | 66.89 | 18.10 | 9051 |
| 10111014 | 66.89 | 18.10 | 9051 | 80.00 | 17.26 | 9436 |
| 104421 | 26.83 | 15.60 | 6333 | 18.48 | 13.16 | 6801 |
| 10091010 | 55.26 | 13.51 | 5199 | 50.37 | 15.24 | 4356 |
| 10081009 | 55.15 | 13.30 | 5154 | 50.27 | 15.21 | 4356 |
| 105421 | 26.83 | 19.60 | 8573 | 18.48 | 5.42 | 2262 |
| 105106 | 29.08 | 12.28 | 5052 | 25.03 | 12.64 | 5876 |
| 10071008 | 41.31 | 11.41 | 2764 | 39.03 | 12.28 | 2979 |
| 10651066 | 32.59 | 9.65 | 2341 | 48.31 | 12.77 | 3176 |
| 10641065 | 32.51 | 9.63 | 2341 | 48.19 | 12.74 | 3176 |
| 10061007 | 24.80 | 10.32 | 2764 | 23.92 | 9.97 | 2979 |
| 10631064 | 50.38 | 10.67 | 3213 | 68.44 | 8.01 | 4008 |
| 10661067 | 41.33 | 9.35 | 2265 | 51.19 | 9.27 | 3066 |
| 372373 | 13.59 | 6.83 | 2090 | 19.79 | 11.48 | 3444 |
| 10631070 | 69.01 | 7.96 | 4004 | 52.76 | 7.80 | 3210 |
| 10021061 | 59.82 | 6.94 | 3470 | 63.34 | 8.71 | 4355 |
| 10621070 | 61.97 | 6.38 | 3210 | 76.66 | 7.96 | 4004 |
| 371372 | 7.05 | 2.03 | 621 | 18.99 | 11.70 | 3521 |
| 10101093 | 76.19 | 9.39 | 4694 | 80.00 | 4.31 | 4255 |
| 331333 | 53.95 | 6.97 | 2091 | 52.83 | 6.52 | 1958 |
| 370371 | 7.08 | 2.03 | 621 | 16.46 | 11,46 | 3521 |
| 103126 | 23.10 | 5.40 | 918 | 24.03 | 5.40 | 918 |
| 104127 | 51.97 | 4.95 | 4316 | 52.28 | 5.14 | 4490 |
| 10251026 | 55.90 | 2.89 | 1447 | 40.28 | 6.89 | 1670 |
| 10261027 | 58.54 | 2.89 | 1447 | 43.23 | 6.89 | 1670 |
| 107108 | 11.78 | 6.20 | 4224 | 13.02 | 3.15 | 2148 |
| 10111012 | 80.00 | 1.85 | 10375 | 80.00 | 7.24 | 10184 |
| 10351036 | 73.69 | 3.18 | 1591 | 69.34 | 5.68 | 2844 |
| 10331034 | 76.30 | 3.18 | 1591 | 71.62 | 5.67 | 2844 |
| 10341035 | 73.51 | 3.18 | 1591 | 69.17 | 5.67 | 2844 |
| 10321033 | 64.13 | 3.17 | 1591 | 57.68 | 5.67 | 2844 |
| 10041005 | 16.04 | 3.15 | 1940 | 18.82 | 5.47 | 2245 |
| 10301031 | 54.75 | 4.13 | 2064 | 53.17 | 4.32 | 2160 |
| 10081086 | 65.06 | 3.53 | 1763 | 75.22 | 4.85 | 2424 |
| 10861087 | 64.87 | 3.52 | 1763 | 75.01 | 4.84 | 2424 |
| 10111095 | 80.00 | 1.24 | 3687 | 77.18 | 6.98 | 3492 |
| 157418 | 69.65 | 4.67 | 2630 | 63.89 | 3.48 | 1958 |
| 10311032 | 56.56 | 3.19 | 1591 | 51.89 | 4.81 | 2167 |
| 10611062 | 71.97 | 6.42 | 3210 | 80.00 | 1.45 | 4004 |
| 108109 | 13.95 | 3.83 | 2588 | 17.18 | 3.98 | 2111 |
| 127300 | 46.10 | 4.01 | 3517 | 48.21 | 3.80 | 3334 |
| 10241025 | 54.32 | 1.67 | 831 | 39.37 | 5.90 | 1431 |
| 106107 | 8.94 | 4.01 | 4224 | 9.34 | 3.15 | 2148 |
| 188344 | 22.01 | 3.38 | 675 | 22.56 | 3.53 | 707 |
| 338344 | 22.82 | 3.54 | 707 | 22.26 | 3.37 | 675 |
| 112113 | 21.04 | 3.20 | 1325 | 43.84 | 3.52 | 1461 |
| 10021003 | 65.45 | 1.84 | 922 | 29.37 | 4.69 | 1140 |
| 272419 | 47.94 | 3.01 | 2703 | 49.43 | 3.45 | 3101 |
| 113114 | 21.42 | 3.19 | 1305 | 34.89 | 2.93 | 1198 |
| 111337 | 14.85 | 2.53 | 1707 | 25.32 | 3.46 | 1418 |
| 10291030 | 54.87 | 2.36 | 1184 | 53.68 | 3.46 | 1729 |
| 10011002 | 79.65 |  | 2660 | 79.65 | 5.26 | 3763 |
| 110111 | 16.77 | 3.28 | 1724 | 27.73 | 1.89 | 779 |
| 114115 | 32.31 | 3.35 | 1372 | 49.29 | 1.21 | 1021 |
| 10131096 | 79.84 | . 0 | 12226 | 79.84 | 4.47 | 12869 |
| 109110 | 35.62 | 3.52 | 1920 | 50.93 | . 77 | 862 |
| 10241064 | 32.59 | 3.21 | 832 | 13.65 | 1.03 | 872 |
| 154352 | 5.29 | . 0 | 0 | 13.67 | 3.27 | 294 |
| 118374 | 35.05 | 3.11 | 906 | 16.48 | 0 |  |

Appendix B-34 Links of Speed down and Volume up Year 2010 Medium Case 2


Appendix B-35. Links of Speed down and Volume up
Year 2010 High Case 1

APPENDIX B-36 Design Traffic Volume

1. Design Traffic Volume in Medium Case.
Design Traffic Volume(vehicle/hour)
Medium Case

2. Design Traffic Volume in High Case.


## APPENDIX C: Vessel Calls

APPENDIX C-1 Classified Number of Vessel Size at Port of Manila

1. MICT


## 2. South Harbor (Container)

| Class | Degree | pier 3 | piers | piars | Pier13 | Pier 15 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.8 | B. 8 | .....24.94. | ......? 88 |  | .9.2? |  |
| 1.5 | 2.8 | 6.75 | ......6.68 |  |  |  |
| 2.8 | 0.8 | 11.54 | 4.83 |  |  |  |
| 2.5 | 8.8 | 13.39. | …...1. 11 |  |  |  |
| 3.8 | 8.8 | …7.80 | - ${ }^{-1.42}$ |  |  |  |
| 3.5 | 8.8 | 4.63 | ...... 7.44 |  |  |  |
| 4.8 | 3.8 | .......6. 75 | ......3. 3 9? |  |  |  |
| 4.5 | 7.8 | 11.54 | ......3.9? |  |  |  |
| 5.8 | 6.0 | 2501 | …… 6.86 |  |  |  |
| 5.5 | 1.0 | 8.71 | - 4.42 |  |  |  |
| 6.6 | 0.8 | 7.80 | 6.68 |  |  |  |
| 6.5 | 3.8 | 6.75 | 4. 42 |  |  |  |
| 7.8 | 18.8 | 11.54 | 4.93 |  |  |  |
| 7.5 | 4.8 | 5000 | ? 44 |  |  |  |
| 8.8 | 4.8 | 12.63 | 6.61 |  |  |  |
| 8.5 | 0.8 | 4.63. | 4.42 |  |  |  |
| 9.8 | 1.0 | 25.55 | ....... 6.68 |  |  |  |
| 9.5 | 1.0 | 24.94 | ….. 3 : 9 ? |  |  |  |
| 10.0 | 8.8 | 11.54 | 11.01 |  |  |  |
| 10.5 | 0.8 | 6.75 | 7.44 |  |  |  |
| 11.8 | 2.8 | ...... 5.83 | 4.42 |  |  |  |
| 11.5 | 2.8 | ……7. 88 |  |  |  |  |
| 12.0 | 6.8 | 1.80 |  |  |  |  |
| 12.5 | 8.8 | 25. 55 |  |  |  |  |
| 13.8 | 1.0 | 6.75 |  |  |  |  |
| 13.5 | 1.8 | 4.87. |  |  |  |  |
| 14.8 | 0.8 | 11.54 |  |  |  |  |
| 14.5 | 0.0 | 4.63 |  |  |  |  |
| 15.8 | 0.8 | 11.15 |  |  |  |  |
| 15.5 | 2.8 | 4.87 |  |  |  |  |
| 16.8 | 0.8 | 1.49 |  |  |  | . |
| 16.5 | 8.8 | 6. 75 |  |  |  |  |
| 17.8 | B. 8 | ? 89 |  |  |  |  |
| 17.5 | 8.8 | 11:54 |  |  |  |  |
| 18.9 | 0.8 | 4.87 |  |  |  |  |
| 18.5 | 0.8 |  |  |  |  |  |
| 19.8 | a. 0 |  |  |  |  |  |
| 19.5 | 0.8 |  |  |  |  |  |
| 28.8 | 0.8 |  |  |  |  |  |
| 20.5 | 8.8 |  |  |  |  |  |
| 21.8 | 0.8 |  |  |  |  |  |
| 21.5 | 8.0 |  |  |  |  |  |
| 22.8 | 0.0 |  |  |  |  |  |
| 22.5 | 0.0 |  |  |  |  |  |
| 23.8 | 0.0 |  |  |  |  |  |
| 23.5 | 0.8 |  |  |  |  |  |
| 24.8 | 0.8 |  |  |  |  |  |
| 24.5 | 8.8 |  |  |  |  |  |
| 25.8 | 2.8 |  |  |  |  |  |
| 25.5 | 1.8 |  |  |  |  |  |
| 25.3 | 2.8 |  |  |  |  |  |
| 26.5 | 0.8 |  |  |  |  |  |
| 27.8 | 8.8 |  |  |  |  |  |
| 27.5 | 0.0 |  |  |  |  |  |
| 28.8 | 0.8 |  |  |  |  |  |
| 28.5 | 0.8 |  |  |  |  |  |
| 29.0 | 2. 2 |  |  |  |  |  |
| 29.5 | 0.0 |  |  |  |  |  |
| 33.8 | 2. ${ }^{\text {a }}$ |  |  |  |  |  |
|  | 0.0 |  |  |  |  |  |
| Num.01 UeS | 3 57.00 | 355.20 | 121.38 | 8.80 | 9.26 | 0.38 |
|  |  | Sub rotal | 485.76 |  |  |  |
| Qversge Ue | essl size | 10WT1 | 8.522 .11 |  |  |  |

3. South Harbor (Conventional)

| class | 109gras | pior 3 | piors | pierg | Pior13 | Piocls |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.9 | 3.0 | 5.97 | 7.48 | 5.08 | 5.17 | 6.84 |
| 1.5 | 2.0 |  | 1.80 | 5.31 | 24.46 | 8.13 |
| 2.8 | 4.0 |  | 618 | 8.88 | 9.80 | 6. $\$ 2$ |
| 2.5 | 2.0 |  | 3.83 |  | 3.94 | 6.46 |
| 3.0 | 1.0 |  | 7.43 |  | 6.97 | 4.63 |
| 3.5 | Q. 0 |  | 6.83 |  | 1.?4 | ? 96. |
| 4.8 | 3.8 |  | 5.34 |  | 5.02 | 6.08 |
| 4.5 | 0.0 |  | 5.84 |  | . 6.65 | 10.19 |
| 5.0 | 1.0 |  | 34.78 |  | 3.99 | 15.62 |
| 5.5 | 5.0 |  | 45.47 |  | 1.68 | 1.78 |
| - 6.0 | 2.0 |  | 2.15 |  | 9.88 |  |
| 6.5 | 4. 0 |  | 21.39 |  | 23.62 |  |
| 7.8 | 4.8 |  | 1.36 |  | 1.75. |  |
| 7.5 | 4.0 |  | 9.21 |  | 1.20 |  |
| 8.0 | 2.0 |  | 7.88 |  | 2. 36 |  |
| 8.5 | 1.0 |  | 18.81 |  | 18-24 |  |
| 9.0 | 8.0 |  | 9.84 |  | 3.82 |  |
| 9.5 | 0.0 |  | 18.73 |  |  |  |
| 10.0 | 4.0 |  | 9.80 |  |  |  |
| 18.5 | 2.8 |  | 7.36 |  |  |  |
| 11.0 | a.b |  | ?.53 |  |  |  |
| 11.5 | 0.0 |  |  |  |  |  |
| 12.8 | 0.8 |  |  |  |  |  |
| 12.5 | 0.8 |  |  |  |  |  |
| 13.0 | 0.0 |  |  |  |  |  |
| 13.5 | 8.0 |  |  |  |  |  |
| 14.6 | 0.0 |  |  |  |  |  |
| 14.5 | 3.0 |  |  |  |  |  |
| 15.8 | Q. 0 |  |  |  |  |  |
| 15.5 | 1.0 |  |  |  |  |  |
| 16.8 | 3.0 |  |  |  |  |  |
| 16.5 | 0.0 |  |  |  |  |  |
| 17.8 | 8.0 |  |  |  |  |  |
| 17.5 | 6. 0 |  |  |  |  |  |
| 18.0 | 0.0 |  |  |  |  |  |
| 18.5 | 1.8 |  |  |  |  |  |
| 13.8 | 1.0 |  |  |  |  |  |
| 19.5 | 8.8 |  |  |  |  |  |
| 20.8 | Q. ${ }^{\text {a }}$ |  |  |  |  |  |
| 29.5 | a. 0 |  |  |  |  |  |
| 21.0 | 0.0 |  |  |  |  |  |
| 21.5 | 1. 0 |  |  |  |  |  |
| 22.8 | 6.0 |  |  |  |  |  |
| 22.5 | 8.8 |  |  |  |  |  |
| 23.0 | 0.0 |  |  |  |  |  |
| 23.5 | 0.0 |  |  |  |  |  |
| 24.8 | 1.8 |  |  |  |  |  |
| 24.5 | 1.0 |  |  |  |  |  |
| 25.8 | 0.0 |  |  |  |  |  |
| 25.5 | 0.0 |  |  |  |  |  |
| 26.8 | 0.0 |  |  |  |  |  |
| 26.5 | $0 \cdot 0$ |  |  |  |  |  |
| 27.8 | 0.8 |  |  |  |  |  |
| 27.5 | 0.0 |  |  |  |  |  |
| 28.8 | 0.0 |  |  |  |  |  |
| 28.5 | 6.0 |  |  |  |  |  |
| 29.0 | 0.0 |  |  |  |  |  |
| 29.5 | 0.8 |  |  |  |  |  |
| 30.8 | 0.0 |  |  |  |  |  |
|  | 2.0 |  |  |  |  |  |
| Num. of Ves | 52.01 | 5.97 | 212.26 | 18.47 | 139.13 | 73.99 |
|  |  | Sub Total | 438.82 |  |  |  |
| Avarage ve | 551 Size | (DNT) | 8.438 .35 |  |  |  |

4. South Harbor (Combo)

| Class | Degree | Pier 3 | piers | pier9 | Pier13 | pior15 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.8 | Q. 0 | 5.06 | .... 5. 06 |  | ...6.56 | 6. 27 |
| 1.5 | 0.0 | 4.87 | 7 ? 1 |  | 6.90. | 6:?? |
| 2.0 | 1.8 | 587 | 662 |  | 6.89 |  |
| 2.5 | B. 0 | 506 | ……7. 71 |  |  |  |
| 3.8 | 0.0 | 4.87 | 7.19 |  |  |  |
| 3.5 | 8.8 | ? 21 | 4.29 |  |  |  |
| 4. 8 | 0.0 | 4:8? | .....8:82 |  |  |  |
| 4.5 | 1.0 | 600 | …6...6. 20 |  |  |  |
| 5.0 | 5.0 | 4.87 | -....8.01 |  |  |  |
| 5.5 | 3.0 | 4.87 | 7.72 |  |  |  |
| 6.8 | 3.8 | 688 | 7.71 |  |  |  |
| 5.5 | 3.0 | 12:53 | ....11.01 |  |  |  |
| 7.0 | 4.0 | 156 | ….. 7 : 19 |  |  |  |
| 7.5 | 4.0 |  | -....7. 71 |  |  |  |
| 8.8 | 4.0 |  |  |  |  |  |
| 8. 5 | 2.0 |  |  |  |  |  |
| 9.8 | 0.0 |  |  |  |  |  |
| 9.5 | 0.0 |  |  |  |  |  |
| 13.8 | 0.0 |  |  |  |  |  |
| 10.5 | 0.0 |  |  |  |  |  |
| 11.8 | 0.0 |  |  |  |  |  |
| 11.5 | 1.8 |  |  |  |  |  |
| 12.8 | 0.8 |  |  |  |  |  |
| 12.5 | 8.8 |  |  |  |  |  |
| 13.8 | 1.8 |  |  |  |  |  |
| 13.5 | 0.8 |  |  |  |  |  |
| 14.8 | 8.8 |  |  |  |  |  |
| 14.5 | 0.0 |  |  |  |  |  |
| 15.8 | 0.0 |  |  |  |  |  |
| 15.5 | 0.0 |  |  |  |  |  |
| 16.0 | 0.0 |  |  |  |  |  |
| 16.5 | B. ${ }^{\text {a }}$ |  |  |  |  |  |
| 17.8 | 0.8 |  |  |  |  |  |
| 17.5 | 8.8 |  |  |  |  |  |
| 18.8 | 0.8 |  |  |  |  |  |
| 18.5 | 8.8 |  |  |  |  |  |
| 19.8 | 0.0 |  |  |  |  |  |
| 19.5 | 8.0 |  |  |  |  |  |
| 20.8 | 0.8 |  |  |  |  |  |
| 20.5 | B. 0 |  |  |  |  |  |
| 21.8 | Q. 8 |  |  |  |  |  |
| 21.5 | 8.8 |  |  |  |  |  |
| 22.8 | 0.8 |  |  |  |  |  |
| 22.5 | 8.8 |  |  |  |  |  |
| 23.8 | 0.0 |  |  |  |  |  |
| 23.5 | 0.0 |  |  |  |  |  |
| 24.8 | 8.8 |  |  |  |  |  |
| 24.5 | 0.8 |  |  |  |  |  |
| 25.8 | 8.8 |  |  |  |  |  |
| 25.5 | 0.8 |  |  |  |  |  |
| 28.8 | 0.0 |  |  |  |  |  |
| 26.5 | 0.8 |  |  |  |  |  |
| 27.8 | 6.8 |  |  |  |  |  |
| 27.5 | 0.8 |  |  |  |  |  |
| 28.8 | 0.8 |  |  |  |  |  |
| 28.5 | 0.0 |  |  |  |  |  |
| 29.8 | 0.6 |  |  |  |  |  |
| 29.5 | 8.8 |  |  |  |  |  |
| 30.8 | 0.8 |  |  |  |  |  |
|  | 0.0 |  |  |  |  |  |
| Num. of ves | - 32.06 | 73.74 | 181.56 | D. 20 | 28.35 | 12.54 |
|  |  | Sub total | 288.19 |  |  |  |
| Rverage Uessi size (DHT) |  |  | 6.585 .94 |  |  |  |

## 5. South Harbor (Total)

| Class | Degree | oier 3 | Pier 5 | pierg | fierl3 | Pierls |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0 | 3.0 | 5.81 | $? .18$ | 5.98 | 6.56 | 6.84. |
| 1.5 | 4.8 | 24.90 | ? 18 | 5.17 | $5.1 ?$ | 8.13 |
| 2.8 | 5.0 | 670 | 5.06 | 6.10 | 24.46 | 6.90 |
| 2.5 | 2.0 | 11.50 | $6: 68$ |  | 988 | $6: ?$ ? |
| 3.8 | 1.0 | 13.30 | 4.93 |  | 6.97 | 6.46 |
| 3.5 | 0.0 | 5.98 | 7. 21 |  | 5.82 | 4.63. |
| 4.8 | 6.0 | 4.99 | 618 |  | 6.65 | ? 96 |
| 4.5 | 8.0 | 7.80 | 6.11 |  | 3.99 | 6.98 |
| 5.0 | 12.8 | 4.60 | 4:42. |  | 9.88 | 10.19 |
| 5.5 | 18.8 | 6.70 | 7.83 |  | 6.98 | 6.27 |
| 6.8 | 5.8 | 11.54 | ? 4.4 |  | 23.6? | 15.82? |
| 6.5 | 9.8 | 5.90 | $? 43$ |  | 18.20 | . 1.76 |
| 7.0 | 18.8 | 510 | 6.62 |  | ${ }^{6} .89$ |  |
| 7.5 | 12.8 | 35.91 | 3.97 |  | 9.2 |  |
| 8.8 | 10.8 | 4.98 | 5.34 |  | 3.94 |  |
| 8.5. | 3.8 | 7.29. | ? ? 1 |  | 1.74 |  |
| 9.8 | 1.8 | 878 | 584 |  | 1.68 |  |
| 3.5 | 1.8 | 7.89 | 7.19 |  | $1 . ? 5$ |  |
| 18.8 | 4.8 | 679 | 506 |  | 1.29 |  |
| 18.5 | 2.8 | 11.58 | 34.78 |  | 2.36 |  |
| 11.8 | 8.8 | 5.18 | 4.20 |  | 3.8? |  |
| 11.5 | 8.8 | 12.60 | A. 48 |  |  |  |
| 12.9 | 1.8 | 490 |  |  |  |  |
| 12.5 | 8.8 | 4.68 | 6. 68 |  |  |  |
| 13.8 | 2.8 | 6.88 | 8.02 |  |  |  |
| 13.5 | 1.0 | 25.69 | 6. 29 |  |  |  |
| 14.0 | 8.8 | 4.98 | $A \cdot \triangle Q$ |  |  |  |
| 14.5 | 8.8 | 24.90 | 45.50 |  |  |  |
| 15.8 | 8.8 | 11.50 | 4.83 |  |  |  |
| 15.5 | 1.0 | 6.78 | ?.44 |  |  |  |
| 16.0 | 0.0 | 4.98 | ?1. 39. |  |  |  |
| 16.5 | 0.0 | 6.03 | 8.81 |  |  |  |
| 17.8 | 8.8 | ? 89 | 661 |  |  |  |
| 17.5 | 0.8 | 6-00 | ? 7 ? |  |  |  |
| 18.0 | 0.0 | 25.60 | 7.71 |  |  |  |
| 18.5 | 1.8 | 5.79 | 4.42 |  |  |  |
| 19.8 | 1.8 | 498 | 6.68 |  |  |  |
| 13.5 | 8.8 | 11.59. | 7.88 |  |  |  |
| 28.8 | 0.8 | 4.68 | 10.81 |  |  |  |
| 28.5 | 0.8 | 11.28 | 9.84 |  |  |  |
| 21.8 | 0.8 | 4.90 | 11:81 |  |  |  |
| 21.5 | 1.8 | 12.68 | 11.81 |  |  |  |
| 22.8 | 8.8 | $6 \cdot 70$ | 18.73 |  |  |  |
| 22.5 | 8.6 | 7.89 | 7.19 |  |  |  |
| 23.8 | 8.8 | 11.50 | 7.44 |  |  |  |
| 23.5 | 8.8 | 4.98 | 9.80 |  |  |  |
| 24.8 | 1.8 | 1.40 | 786 |  |  |  |
| 24.5 | 1.8 | 1.58 | 4.49 |  |  |  |
| 25.8 | 2.8 | 1.68. | 7.70 |  |  |  |
| 25.5 | 1.8 |  | 1.00 |  |  |  |
| 26.8 | 2.8 |  | Q.83 |  |  |  |
| 26.5 | 0.8 |  | 3.97 |  |  |  |
| 27.8 | 0.8 |  | 2.15 |  |  |  |
| 27.5 | 0.8 |  | 1.36 |  |  |  |
| 28.8 | 0.8 |  | 0.21 |  |  |  |
| 28.5 | 0.8 |  | 3:3? |  |  |  |
| 29.8 | 0.8 |  | 2:53. |  |  |  |
| 29.5 | 0.8 |  |  |  |  |  |
| 36.0 | 0.8 |  |  |  |  |  |
|  | 2.8 |  |  |  |  |  |
| Num, of Ues | 141.60 | 434.59 | 434.18 | 16.35 | 159.78 | 86.51 |
| average Uessi Size (DHT) Sotal |  |  | 1.131 .25 |  |  |  |
|  |  |  | 8.823 .05 |  |  |  |

6. North Harbor (General Cargo)

| Class | Degrae | Pior 2(G) | Pier 4(G) | Pior 6(G) | 9ior 8(0) | pior 10(a) | Pier 12 (0) | Pior 160 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0. 5 | 2.0 | 3.3 | 6.4 | 1:8 | ? 6. | 1. 6. | 2.8 | 2:9. |
| 1.0 | 24.0 | 2.3 | 5.9 | $1: 4$ | 3.8 | 3.4 | 1.8. | 2:9 |
| 1.5 | 10.0 | ? 3 | ? 2 | 6.3 | 1.9 | 9.1 | 2.3 | 1.7 |
| 2.8 | 27.0 | 23 | 6.4 | 0:6 | 23 | 1? | ? 9 | ? 0 |
| 2.5 | 34.8 | 5.3 | 3.2 | 4.7 | 9.9 | 4.3 | 20 | 3.3 |
| 3.8 | 7.8 | 2. 3 | !? ${ }^{3}$ | 3:9 | 2:1. | 3.2 | 1.8. | 4:3. |
| 3.5 | 15.8 | 3.3 | 5.9 | 2:5 | 1.4. | 1? 5. | 2.0 | ? 2 ? |
| 4.0 | 3.8 | ? 3 | 6.4 | 9 | 3.9 | 3.4 | ......2. 0 | 1:9. |
| 4.5 | 17.8 | 5.3 | 7.3 | 1.9 | 8.9 | 1.6 | 1.8 | 3:3 |
| 5.8 | 3.8 | 2. ${ }^{\text {a }}$ | 3.2 | 2.3 | 2.9 | 4.3 | 4.3 | 5.3 |
| 5.5 | 8.8 | ? 3 | 5.9 | 5. | ? $?$ | !? 5 | ? ${ }^{8}$ | 2.9. |
| 6.8 | 6.8 | 5.3 | …....6.6. 4 | 50 | 0.6 | 1.5 | ? 0 | 5:3 |
| 6.5 | 7.8 | 2. 3 | 123 | 1.5 | 4.4 | 3.2 | 4.3 | 2.6 |
| 7.8 | 0.0 | 3. | - ......... 5.9 | 2.1 | ? 1 | 8.8 |  | 2. 1. |
| 7.5 | 2.8 | 2.3 | 3.2 | 1.1 | 0.9 | 12.5 |  | 4.3 |
| 8.0 | 2.8 |  | 6.4 | 8. 6 | 2. 6. | 4.3 |  | 2.? |
| 8.5 | 8.8 |  |  | 2.3 | ${ }^{0} .9$ |  |  | 4 :3 |
| 3.8 | 0.8 |  |  | 6 \% 0 | 3.8 |  |  | 3.3 |
| 9.5 | 0.8 |  |  | 2.2 | 0.9 |  |  | 1.9 |
| 10.8 | 1:8 |  |  | 1.9 | 2.3 |  |  | 3.3 |
| 10.5 | 0.0 |  |  | 2.5 | 4.1. |  |  | 2.? |
| 11.0 | 0.9 |  |  | 4.4 | 2: |  |  | 2. 3 |
| 11.5 | 8.8 |  |  | 2. 5 | Q:9 |  |  | 3.3 |
| 12.8 | 8.8 |  |  | 1.1 | 2.9 |  |  | 2.1 |
| 12.5 | 6.8 |  |  | 2.2 | 1.1 |  |  | 2.6 |
| 13.9 | 8.8 |  |  | 6 6 | 4.4 |  |  | 5:3. |
| 13.5 | 8.8 |  |  | 1.0 | 9.9 |  |  |  |
| 14.8 | 0.8 |  |  | 8.8 | 1.8 |  |  |  |
| 14.5 | 0.8 |  |  | 4:? | 9.1 |  |  |  |
| 15.8 | 0.8 |  |  | 1.8 | 8.9 |  |  |  |
| 15.5 | 0.8 |  |  | 1:? | 6.9 |  |  |  |
| 18.8 | 0.0 |  |  | 1:? | 1.4 |  |  |  |
| 16.5 | 0.8 |  |  | 4.5 | 1. 6 |  |  |  |
| 17.3 | 0.8 |  |  | 1.9 | 2.6 |  |  |  |
| 17.5 | 8.6 |  |  | 0.8 | 3.8 |  |  |  |
| 18.8 | 8.8 |  |  | 1.5 | ?:3 |  |  |  |
| 18.5 | 8.8 |  |  | $5 . ?$ | 9.9 |  |  |  |
| 13.8 | 0.8 |  |  | 21 | ? 2 |  |  |  |
| 13.5 | 0.8 |  |  | 4.5 | 4.1 |  |  |  |
| 22.3 | 0.0 |  |  | 8.8 | 0.9 |  |  |  |
| 20.5 | 8.0 |  |  | 97 |  |  |  |  |
| 21.8 | 8.8 |  |  | 1. 4 |  |  |  |  |
| 21.5 | 8.0 |  |  | 8.8 |  |  |  |  |
| 22.8 | 8.8 |  |  | 2.5 |  |  |  |  |
| 22.5 | 0.8 |  |  | 3.8 |  |  |  |  |
| 23.8 | 0.8 |  |  | 4.4 |  |  |  |  |
| 23.5 | 0.8 |  |  | 1.9 |  |  |  |  |
| 24.8 | 8.8 |  |  | 4 |  |  |  |  |
| 24.5 | 0.0 |  |  |  |  |  |  |  |
| 25.8 | 0.0 |  |  |  |  |  |  |  |
| 25.5 | 0.8 |  |  |  |  | .-..... |  |  |
| 26.8 | 8.0 |  |  |  |  |  |  |  |
| 26.5 | 0.0 |  |  |  |  |  |  |  |
| 27.8 | 0.8 |  |  |  |  |  |  |  |
| 27.5 | 0.8 |  |  |  |  |  |  |  |
| 28.8 | 8.8 |  |  |  |  |  |  |  |
| 28.5 | 0.8 |  |  |  |  |  |  |  |
| 29.8 | 8.8 |  |  |  |  |  |  |  |
| 29.5 | 0.8 |  |  |  |  |  |  |  |
| 38.0 | 0.0 |  |  |  |  |  |  |  |
|  | 0.0 |  |  |  |  | , |  |  |
|  | 0.8 |  |  |  |  |  |  |  |
|  | 8.8 |  |  |  |  |  |  |  |
|  | 8.8 |  |  |  |  |  |  |  |
|  | 8.8 |  |  |  |  |  |  |  |
| Num.of ves | 1-174.8 | 45.6 | 104.1 | 144.8 | 83.6 | 81.8 | 29.8 | 75.8 |
| --m. |  | Sub lotal | 563.9 |  |  |  |  |  |
| Qverage ije | essel size |  | 3.248 .5 |  |  |  |  |  |

7. North Harbor (Passenger)

| class | Degrea | Pior 2(P) | pier 4 (0) | Pier $8(P)$ | Pier $10(p)$ | Pier 12(p) | Pier 14(P) | pier $16(\rho)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.5 | 0.0 | 2.4 | 2.1 | 0.6 | 2. 4 | $4 \therefore$ ? | S.8 | 3.8 |
| 1.8 | 9.8 | 7.9 | 4.5 | 8.6 | 4.4 | 1.5 | 2.0 | 8.0 |
| 1.5 | 14.8 | 4.3 | 2.1 | 9.6 | 2.4 | 1.1 | 6.5 | 4.7 |
| 2.0 | 14.8 | 2.7 | 4.5 | 8.6 | 4. 4 | 13.7 | 4.3 | 8.8 |
| 2.5 | 34.8 | 2. 4 | 2.1 | B. 6 | 2.4 | 1.8 | 2.5 | 4.7 |
| 3.0 | 9.8 | ? 9 | 2.1 | 8. 6 | 2. 4. | 3.5 | 1.9 | 8.8 |
| 3.5 | 10.0 | 2.7 | 4.5 | 2. 4 | 4.4 | 3.8 | 6.5 | 4.7 |
| 4.8 | 3.0 | 4 | 4.5 | 0.6 | 2.4 | 13.7 | 6.5 | 8.8 |
| 4.5 | 22.0 | 2.4 | 4.5 | 0. 6 | 2. 4 | 1.5 | 4.3 | 4.7 |
| 5.8 | 15. ${ }^{\text {B }}$ | 7.9 | 2.1 | 2. 4 | 6. 4 | 3.4 | 2.0 | 6.0 |
| 5.5 | 0.0 | 4.3 | 4.5 | b. 6 | 2. 4 | 1.1 | 2. 5 | 4. 7 |
| 6.6 | 5.0 | 2.9 | 2.1 |  | 2. 4 | 13.7 | 6.5 |  |
| 6.5 | 9.0 | 2.4 | 4.4 |  |  | 1.8 | 5.8 |  |
| 7.8 | 12.0 | ? 9. | 4.5 |  |  | 3.5 | 2.8 |  |
| 7.5 | 0.8 | 2.7 | 2.1 |  |  | 3.4 | 6.8 |  |
| 8.0 | 14.8 | 4.3 | 4.5 |  |  | 13.? | 6.5 |  |
| 8.5 | B. 8 | 2.4 | 2:1. |  |  | 1.5 | 4.3 |  |
| 9.0 | B. 0 | 7.9 | 4.5 |  |  | 3.4 | 2. 5 |  |
| 9.5 | B. 0 | 4.3 |  |  |  | 1.1. | 6.5 |  |
| 18.8 | 0.8 | 2.9 |  |  |  | 13.7 | 2.6 |  |
| 10.5 | 3.0 | 2.3 |  |  |  | 1.8 | 6.5 |  |
| 11.0 | O. 0 | 7.9 |  |  |  | 3.5 | 4.3 |  |
| 11.5 | B. 0 | 2.9 |  |  |  | 13.? | 2.8 |  |
| 12.8 | B. 0 | 4.3 |  |  |  | 1.5 | 6.5 |  |
| 12.5 | B. 8 | 2.4 |  |  |  | 3.4 | 5.8 |  |
| 13.6 | 0.0 | 7. 9 |  |  |  | 1.1 | 2.8 |  |
| 13.5 | 0.8 | 2.4 |  |  |  | 13.7 | 5.8 |  |
| 14.0 | 9.8 | 4.3 |  |  |  | 1.8 | 8.5 |  |
| 14.5 | 0.0 | 2.9 |  |  |  | 3.5 | 4.3 |  |
| 15.9 | 0.8 | $2 \cdot 4$ |  |  |  | 3.4 | 2.5 |  |
| 15.5 | 8.8 | 7.9 |  |  |  | 13.? | 6.5 |  |
| 16.0 | 0.8 | 2.9 |  |  |  | 1.5 | 6.5 |  |
| 16.5 | 0.8 | 4.3 |  |  |  | 3.4 | 4.3 |  |
| 17.8 | 0.8 | ? 8 |  |  |  | 13.7 | 2.0 |  |
| 17.5 | 8.8 | 7.9 |  |  |  | 1.1 | 2.5 |  |
| 18.6 | 0.8 |  |  |  |  |  | ? B |  |
| 18.5 | 0.8 |  |  |  |  |  | 1.9 |  |
| 19.2 | 8.0 |  |  |  |  |  | 6.5 |  |
| 19.5 | Q.0 |  |  |  |  |  | 5.8 |  |
| 20.8 | 0.8 |  |  |  |  |  | 6.8 |  |
| 20.5 | 0.8 |  |  |  |  |  | 2.8 |  |
| 21.9 | Q. 0 |  |  |  |  |  | 6.5 |  |
| 21.5 | 0.8 |  |  |  |  |  | 4.3 |  |
| 22.8 | 0.8 |  |  |  |  |  | 2.5 |  |
| 22.5 | 0.0 |  |  |  |  |  | 6.5 |  |
| 23.0 | 0.8 |  |  |  |  |  | 6.5 |  |
| 23.5 | 0.0 |  |  |  |  |  | 6.3 |  |
| 24.8 | O, 日 |  |  |  |  |  | ? 0 |  |
| 24.5 | B. 0 |  |  |  |  |  | 1.9 |  |
| 25.8 | 8.0 |  |  |  |  |  | 2.5 |  |
| 25.5 | 8.0 |  |  |  |  |  | 3.7 |  |
| 26.0 | B. ${ }^{\text {B }}$ |  |  |  |  |  | 6.5 |  |
| 26.5 | 8.8 |  |  |  |  |  | 5.8 |  |
| 27.0 | 6.0 |  |  |  |  |  | 5.8 |  |
| 27.5 | B. 0 |  |  |  |  |  | 2.8 |  |
| 28.8 | 0.0 |  |  |  |  |  | 6.5 |  |
| 28.5 | 8.0 |  |  |  |  |  | 4.3 |  |
| 29.6 | 8.0 |  |  |  |  |  |  |  |
| 29.5 | 8.0 |  |  |  |  |  |  |  |
| 38.8 | B. 0 |  |  |  |  |  |  |  |
|  | 8.8 |  |  |  |  |  |  |  |
|  | 6.8 |  |  |  |  |  |  |  |
|  | B. 0 |  |  |  |  |  |  |  |
|  | 8.8 |  |  |  |  |  |  |  |
|  | 0.0 |  |  |  |  |  |  |  |
| Num.of Ves | 179.8 | 152.4 | 61.4 | 10.3 | 36.4 | 183.0 | 253.7 | 67.3 |
|  |  | Sub Total | 764.5 |  |  |  |  |  |
| average ve | ssel Size |  | 4,271.2 |  |  |  |  | d |

## 1．Container Vessel

| CARGO－CONLALNEB <br> Name ol vessel | GRI | DHI | 1.80 | DRAEL | BEAM | CAP．IEH | CaP ens |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A．SUPERCONTAINER I | 4，733．3月 | 7，218．36 | 115．85 | 8.75 | 17．28 | 320， 10 | Na |
| A．SUPERCQNTALNER＿Ll | 2．997，62 | 5.852 .66 | 101．97 | 8． 15 | 16．31 | 249．30 | NA |
| A．SUPERCONTAINER HII | 3，792，70 | $5,382,29$ | 185．57 | Q，4，4， | 16．33． | 732， 78 | Na |
| A．HEGACARRJER I | 7，258，0日 | 12，247．80 | 139．67 | 8.50 | 19.28 | 582.68 | Na |
| G．MEGGCARRIER IL | 7，287．84 | 12.687 .00 | 132.02 | 8，50 | 21.28 | 167.00 | NA |
| LQREMZO CONJAINER XI | 1，866．34 | 3，191．99 | 78．80 | 5．89 | 12.78 | 181．09 | NA |
| LORCON LUZON | 8.359 .79 | 12．478． 120 | 143．88 | 8，39 | 21．57 | 413.80 | NA |
| LORCON MINDANAQ | 8.351 .87 | 12．478．89 | 144.80 | 8.30 | 21.57 | 413.90 | NA |
| CAGAYAN DE ORO EXP | $2,311,15$ | 2．986，29 | 87.09 | 8.64 | 14．85 | 109．00 | NA |
| ST PETER | 2，664，69 | 4，293， 68 | 92.53 | 7．10 | 14．48 | 148，06 | NA |
| JOHN THE APQSITLE | 2，918．38 | A． 382.56 | 87．08 | 7.08 | $15 \times 89$ | 154．89 | Ma |
| SAN SEBASTIAN | 2.749 .78 | 4，431，79 | 87.21 | 7.20 | 15.00 | 200．80 | NA |
| CONNLE LL | 1．428．05 | 2.050 .81 | 66.84 | 5.80 | 11，40 | 80，88， | NA |
| SULPICIO CONTAINER IL | 3，505，56 | 4.802 .99 | 105.18 | 7.70 | 15.00 | 130.00 | NA |
| SULPICIO CONTAINERIII | 1，145．47 | 1.988 .06 | 63.88 | 6.70 | 10．48 | 50．09 | Na |
| SULPIC10 CONTAINER IU | $2,834.50$ | 5,958 ，80 | 94．88 | 7． 39 | 14．58 | 145．09 | NA |
| SULPICIO CONIEINER U | 2，677，59 | 4．175， 00 | 83．40 | 6．20 | 14． 64 | 106.00 | NA |
| SULPICIQ CONTAINER XU | 2．933．44 | 4．963． 60 | 98．00 | 7． 56 | 15．30 | 135.89 | NA． |
| SULPIC10 CONTAINERUII | 1， 036.54 | 2，021．0日 | 65.84 | 4.72 | 11.08 | 47.99 | NA |
| SULPICLO CONT ULIL | 921.03 | 2，009．90 | 71.20 | 5.63 | 10．80 | 48.80 | NA |
| SULPICIO CONTAINER IX | 915.29 | 1．759．00 | 63.80 | 4.56 | 13.68 | 47.80 | NA |
| SULP1C10 CONTAINER XI | 2．637．74 | 3.500 .98 | 84．5日 | 8.35 | 14.80 | 120.80 | NA |
| SULPIC 10 CONTAIMERXII | $4,585.43$ | 7.080 .00 | 101．－41 | 7.55 | 17． 173 | 205．88 | NA |
| SULPICIO CONTAINERXIU | 3，826．54 | $6 \times 611.72$ | 106，80 | 7． 5.3 | 17.00 | 205．08 | NA |
| WILCON I | 4.210 .80 | 3，274．08 | 187．49 | 5.38 | 16.80 | 148．90 | MAे |
| W1LCON IL | 2.249 .40 | 2.185 .08 | 89.70 | 5.78 | 12.88 | 1.11 .90 | NA |
| HILCON 10 | 3.463 .00 | 4.876 .86 | 182．20 | 5．88 | 16．09 | 1018．09 | Na |
| NILCON U | 1，858，90 | $3,742.08$ | 76．70 | 5.18 | 15．39 | 132.00 | NA |
| NLLCQN UI | 2．663．90 | 2，508，90 | 193．80 | 7．56 | 13.50 | 182.88 | NA |
| W16CON U111 | 3，633．60 | 4，644．06 | 92．26 | 6.38 | 16． 16 | 152．00 | NA |
| HILCON $x$ | 3,712 ． 48 | $6,234.80$ | 186．44． | 7.05 | 16．30 | 22.5 ， 80 | NA |
| H1LSON． SI | 4.566 .88 | 6， 580.80 | 112.56 | 2．96 | 18．60 | 275.97 | da |
| TQIA！ | $109,521,53$ | 178.356 .27 | 3．187．39 | 225，22 | 490，90 | $6.183,90$ |  |
| QUEPAGE | 3，422．55 | $5,323,63$ | 97.19 | 7.04 | 15.34 | 188.84 | $\mathrm{N}=32$ |

## 2．RO／RO Vessel

| $\begin{aligned} & \text { RO-RO IYPE } \\ & \text { Name of Uessel } \end{aligned}$ | cret | DHI | L0A | IDRAEL | BEAM | CAP IEU | CaP Pass |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1．SUPERFGRRY 1 | 4，757．55 | 2，9088，00 | 132.48 | 8． 80 | 30．00 | 86.86 | 2．998．088 |
| 1．SUPERF FRRY 11 | 7． 312.35 | 2，947，32 | 138.60 | 8.29 | 22.10 | 109，00 | 2，947．32 |
| A．SUPERFERRY IS | 5.885 .92 | 2．069．06 | 118．03 | 8.00 | 20.40 | 70.80 | 2．869．06 |
| OUR LGDY OF LOURDES | 2.366 .89 | 1.356 .82 | 101.50 | 6.38 | 19．20 | 78.38 | 1．824．08 |
| Ofl OF SACRED HEART | 4，388．79 | $2,181.21$ | 123.00 | 5.86 | 18.08 | 98.89 | 2，000．90 |
| QUR LODY OE FQLIM | 2．368．80． | 1．481－25 | 1．41．58 | 6． 28 | 19.28 | 78.80 | L．82A， 10 |
| OUR LADY QF HOPE | 2．347．87． | 3．249．06． | 99.08 | 7．59 | 17.28 | 139．80 | NA |
| QUR LADY OF PEACE | 4，937．92． | 3，943．97 | 187．58 | 9.68 | 18.08 | NA | Na |
| SIA，ELORENTIA | 4．343．30 | 1．760．00 | 118．85 | 4.75 | 28.60 | 66.00 | 1．848．80 |
| PRINCESS OF NEGROS | 4，494．54 | 1．799， 180 | 189.65 | 6． 18 | 20.60 | NA | 2.908 .89 |
| SAN PAOLO | 5，908． 60 | 1，800． 88 | 187.98 | 7.88 | 29.88 | NA | 2．186．80． |
| SIA ANA | 7．989． 85 | 3.988 .11 | 112.90 | 8.00 | 20， 40 | 75.80 | 1．846． 88 |
| Holigaya | 3，222．50 | 2．286．61 | 98， 610 | 4． 48 | 18.28 | Na | Na |
| PRINCESS OF THE ORIENT | $13,734.21$ | 8，170．00． | 195.81 | 8．00 | 24．08 | NH | 3，912．80 |
| EILIELNG PRINCESS | 13.785 .23 | 2．533．23 | 180．61 | 8.08 | 22．818 | 200.88 | 3．500． 80 |
| HANILA PRINCESS | $4 \times 149.22$ | 1，658．14． | NO | NA | NA | NA | 1，744．84 |
| COTABATO PRINCESS | 7．977．81 | 2，494， 68 | 149.10 | 7，30 | 22.88 | 129.88 | $2,145.80$ |
| CACLOBAN PRINCESS | 3.879 .12 | 1．276．09 | 118.33 | 5.35 | 12.20 | 108.83 | $2,809.40$ |
| CEBU PRINCESS | 1.097 .87 | 616.87 | 69.009 | 6．58 | 15.24 | NA | 1，000．88 |
| Sugbu | 6，524．55 | 3，322．09 | 137.50 | 6． 88 | 20.28 | 150.00 | 2．688．06 |
| hayNILAD | 6.835 .80 | 2.530 .80 | 140.50 | 6．30 | 20．58 | 150，00 | 2.511 ， 1 |
| IASBATE． 1 | 6，496． 68. | 1.315 .08 | 164.50 | 4，80 | 20.90 | 11.06 | 1．328．08 |
| 28HBONGA | 5.747 .92 | 2．882．86． | 117.80 | 7.13 | 19.818 | 113 BO | 1.875 .48 |
| LeTPL | 128．589．13 | 63.558 .57 | －2，577．95 | 150．79 | 435． 68 | 1．633．69 | 44， 882.38 |
| 2uEPAGE | 5.5936 .83 | 2，763．42 | 121＿73 | 6， 85 | 22.93 | 1020.0 | 2．241．12 |

## 3．Passenger Vessels

| yome of lessel | G18I | OHI | 120 | IDRAFI | BEaM | CGP IEU | CAP PASS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LEGgSPI | $2,047.61$ | 2，880．33 | 87．80 | 7.65 | 12.50 | 15.00 | 1，034．08 |
| DON CLALLDLD | 2．863，60 | 1．982， 30 | 86． 14 | 8． 18 | 14.40 | 7.80 | 95星，48 |
| DOM JIILIO | 2，381．25 | 1．424．54 | 80.18 | 7.50 | 13.80 | NA | 994． 88 |
| PHILIPPINE PRINCESS | $4,717.55$ | 2，843，57 | 150.80 | 8.18 | 16.89 | 76.00 | 1，633． 60 |
| IROIRQ RRINCESS | 3，935．21 | 1．741．14 | $111 \times 45$ | 8.89 | 15.20 | 54． 98 | 1．091．80 |
| DIPOLOG PRINCESS | 3，786．81 | 1．797．76 | 111，19 | 8.68 | 15．28 | 46.06 | 1．261．88 |
| SURIGRO PRINCESS | 1．435．71 | 1，明明，日名 | 74.78 | 4.78 | 14．29 | 34.88 | 812.08 |
| DALAWAN PRIRCESS | 1．497，27 | 2，808．80 | 37.96 | 6.79 | 11.96 | 33.88 | 638．00 |
| DONA UIRGINIA | 4．295．80 | 2， 470.00 | 143.48 | 6.53 | 16.88 | 63.08 | 2.863 .86 |
| CEBU CITr | 2，452．108 | 1，024．98 | 98.00 | 5.78 | 13．89 | 33.80 | 805.48 |
| MSSANUS QCCIDENTAL | 1．998．0月 | 1.453 .88. | 98．17 | 5.00 | 13.50 | 33.90 | 858.80 |
| Hacloban cliy | 2．441． 78 | 1.164 .80 | 91.10 | 5.20 | 12.89 | 23．980 | 988， 49 |
| LOLAL | 33.851 .71 | 29， 984.68 | 1.219 .12 | 83.11 | 178．96 | 423 困 | 13，109，80 |
| GuERAGE | 2．754．31 | 1， 718.38 | 161，59 | 6.93 | 14.25 | 38．45 | 1， 1292.12 |
|  |  |  |  |  |  | $\mathrm{N}=12$ |  |

## 4．Conventional Vessels

| Tame of Vessel | GRT | 13HI | 100 | InBEEL | BEAM． | CaP IEH | CAP eass |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MABUHAY | 1.833 .73 | 4，985，00 | 88．25 | 5.10 | 14.20 | NA | NA． |
| POLESTAR | 2．671．43 | 4．436， 11 | 39，50 | 6．20 | 15．00 | NA | NA． |
| SPARKLES | 2.738 .00 | 3，844，51． | 88．87 | 5.68 | 15．00 | NA | NA |
| SOLID UNO | 986， 88 | 28083.74 | 65.35 | 4． 58 | 11．00 | NA | NR |
| Soldr 005 | 1．479．38 | 2.615 .82 | 77.35 | 5． 18 | 11.80 | da | NA |
| TOJR1 | 9．781，42 | 16，98．18 | 408．82 | 26．43 | 67.09 |  |  |
| QUFRAGE | 1.940 .28 | 3，396，24 | 81． 76 | 5，34 | 13.48 |  |  |

SOURCE：LIST OF CISO MEMBERS UESSELS
CALLING ON THE PORT OF MANILA（NORTH HARBOR）
NOBEMBER 22， 1993

## 5．Average Vessel Size by Type

| Name ar Vessel | GRI | 104 | k0月 | DRAET | 8EGM． | CAP 工EU | CAP PASS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CARGORCONTAINER（32） | 3.422 .55 | $5,323,63$ | 97．18 | 7.04 | 15.34 | 188．84 | NA |
| RORO－CARGQ－（23） | 5，596， 33 | 2，763，42 | 121．73 | 6.85 | 22.93 | 102．86 | 2．244．12 |
| PASSENGER／CARGO（12） | 2.754 .31 | 1.748 .38 | 101．59 | 6.93 | 14.25 | 38． 45 | 1．092．42 |
| GENERAL／CARGO（5） | 1，940，28 | 3，396，24 | 81.76 | 5.30 | 13.49 | 8,80 | M |

## APPENDIX C-3 List of Foreign Container Vessel

1. List of Foreign Container Vessel at MICT Data from ICTSI, June 1994

| vessel mame | ! | vor. no. | \| Reg.no. I | I OWNEROPPERATOR | LAST | MExt | 1 Tupt 1 | GRT | M ${ }^{\text {¢ }}$ | DWT ! | gEAN | COA | DRAET I |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GGUUR SJPitspine | 1 |  | 1AST | I AKCHOA WIL SHPG ACEH | 1 cegu | Somm hapaor | S | 735421 | 4,000.65 | 8310.431 | 2000: | 132.101 | ! |
| :Agour paisfic | 1 |  | 1ASA | - AHCHORINLI Sherg agen | 1 SOUTH HSP80\% | SAMAFORE | CNS | 8373001 | 3.34 .001 | 1000.00 | ${ }^{2} 0001$ | 119.10 | 7301 |
| \%apuateas. | 1 |  | \| ARS. | 1 AFEHOR WIL SHPG. AGEN | 1 SIIGAPORE | SNGAPORE | C.HS | 2.400001 | 1.072001 | 1000001 | 13.001 | 20.8 | 5.51 |
| Whotr Luzon (tion | I |  | 1ASA | - ANCHOR WTL SHPG AGEH | \| SOUTH HNEGOR | StiAPORE | 1 C.Ns | 7. 52.001 | 5789001 | 12.870 .001 | 21.501 | 43.84 | ${ }^{6} 501$ |
| vigur uign | 1 |  | 1 ASA | ( AKHHOR ANTL SHPG, AGELT | \| 504 TH HATBER | 1 SMiAPORE | [CN3 | 40, 7275 | 2,50001 | 8.050001 | 20001 | 106201 | 5301 |
| penang jaya | ! |  | 1 ASA | 1 ANCHOR MTE SHPG. AGEY. | 1 Singapore | SUMTH R Rach | 1 CNS | 3719.471 | 1.1089 | 3000001 | 27.001 | 177.001 | $44^{4} 1$ |
| LHOTSE | i |  | $1 \mathrm{ASA} A$ | 1 NKCHORMIL EYPG. AGEM | 1 SDUTH HAREOR | Simapore | 1 C - NS | 5,45001 | 2,428311 | 8500.001 | 12.041 | 113.01 | 8お1 |
| SRES. Flerce | I |  | 1 AFL - | 1 AMERICANPRES LNESLTO. | I KROMSRIN | 1 kachsang | CMS ${ }^{-}$ | 21,455.001 | 15350001 | 10.500 .001 | 37.41 | 2388.1 | 9.151 |
| Eagle cido | I |  | 1 Nl . | 1 AMERCANPRES LNESLTO. | 1 SOUTH KARGOR | 1 KADHSYUNG | CHS | 5684001 | 2003001 | 8845001 | x,001 | 123.541 | 0.01 |
| EAGLEEAY | I |  | 1 APL | 1 AMERECNTPRES LAESLTO. | 1 Fsolisuricg | 1 SWGAPORE | C-NS | 7e97.001 | 4.858001 | \$144001 | 24.391 | 43321 | 9.01 |
| EAGLE JRUST | ! |  | 1 AR L | $t$ americanfres, lises | 1 Fhotsung | 1 lac | CNS | 27.817 .001 | 1450000 | 27.100 .001 | 2801 | 234.051 | 975 |
| PSES FiFFERSCOM | ; |  | \|AD. | I Ameprica pres unestio | 1 Yadssuro | 1 faphisang | CNS 1 | 21.187 .001 | 1s398.001 | 18.500.01 | 7.441 | 20se1 | 9.151 |
| SAGLE RESPECT | 1 |  | 1 AFL. | - AMERICAN PRESTOENT LETES | 1 kadishing | 1 MP | $1{ }^{1} \mathrm{CNS}$ | 24320001 | 14.850 .001 | 27.03001 | 30501 | 200.121 | 901 |
| mats. Honson | 1 |  | IAPL | 1 Ameracanpres luxslmo. | 1 kajushtis |  | \|chis 1 | 21.475001 | 153800.01 | 19.50 .001 | 27.241 | 20881 | 8.151 |
| Eagleser | ! |  | 1 NPL | I AMERECANPRES LNES. LTo. | 15 Suic | 18 SVG | 1 ens | gouspl | $5 \times 355$ | 11.81: 00 ! | 7.401 | 147.501 | $8.15{ }^{\text {3 }}$ |
| Ergle wive | ! |  | $1 A^{2}$ L. | 1 AMERCANPRES LiNES ETD | 15 Suac | 1 CGY DEE ORO | CNS | 9.888001 | 48580.001. | 17.5RE0) | 3 zas | 149 Pa | 1.901 |
| Sagle Ikust | 1 |  | APP. | AMERCNAPAES LBES LTD. | 1 Kaliskiti | 1 sex. | CNS | 23.847 .001 | 4587000 | 27,02201 | 25001 | 23, 3101 | 9.15 |
| zigtseay | I |  | IAPL | 1 Amercinpmes lines lio. | 1 KROHSER:G | 1 KOHSMAG | CNS | 7.085001 | 4,8m.001 | 11.744 .001 | 2439 | 133001 | 901 |
| STM | I |  | 1 APC | 1 Aheprcan pres unes lio | 1 KAmsiavig | - KNCHSAMEG | 1 cs | anouel | 2800001 | 8.000001 | 42,20 | 133001 | 8.001 |
| PACIF SOHS | I |  | 1 APL- | I AMERRCAHPRES LTES LTD. | 1 KAOHSEHTG | 1 FACHSERK | 1 C.NS | 22,47001 | 14527.001 | 27.103001 | 29701 | 234.501 | 7.821 |
| ppes. Tart | ! |  | 1 APP. | 1 AREPRACARPS LTSESLID | 1 KAnHSERS | 1 kapisums |  | $17, \mathrm{cba0} 1$ | 11510.001 | 17.477 .001 | 37.41 | 2045 | 9.151 |
| Pres madsin | 1 |  | tary. | I AMERKANPRES. LINES LTD. | 1 kaorssing | 1 Kabtisklic | C.SS | 71, 13.001 | 15380001 | 18590001 | $7 \mathrm{CH1}$ | 203881 | 2.151 |
| EAGLE COMET | 1. |  | 1 AFP. | 1 AMERRCANPRES LIESSLIT. | I KADSESPIG | 1 Katsinec | CNS | 7907.001 | 4500001 | 11.7450 | 24351 | 133.001 | 901 |
| EAGE Yistom | 1 |  | 1 APL . | 1 AMSEPCAN PRES. UNES.LTO. | I kaotisurs | 1 COY DE ORO | CHS | 9 90e.01 | 1,97800 1 | 12502.001 | 26.25 | 149.601 | 8.01 |
| A cout | 1 |  | 1 COASTMES | I AGOMS SYPg corporames | 1 10n0 | - 2080. | C.5 | 2697651 | 1.003101 | 5062.101 | 183:1 | 10197 | 8.501 |
| A cona | 1 |  | [COASTMSE | 1 ABGTL SHPG CORFUEATIOA | 1 davao | 1 davao |  | 4,33.30: | 2799 ¢ 1 | 0.00001 |  |  |  |
| व meas ${ }^{\text {a }}$ | 1 |  | ICoasinase |  |  |  |  |  |  |  |  |  |  |
| A MEGAI | + |  | \| COASmTSE, | 1. ABOLIL SHPG. CORPORATON | 1 CEBS | cees | cs | ${ }^{6543419}$ | 5.155081 | $12 \mathrm{mel}, 001$ | 21.291 | 137.001 | ${ }^{8.471}$ |
| A MEGAI | ) |  | 1 COASEAISE | ABOTIZ ShPG CORPORATON | 1 davas | Daval | 10.5 | 739001 | 5.188001 | 12.24001 | 19.201 | 13.851 | 931 |
| a conla | 1 |  | [COASmmsel | I ABCTIL SHPG. CORPORATIOH | \% davad | caval |  | 370201 | 2.405 .101 | 8.32 .201 | 18.301 | 106571 | 8801 |
| IHATmotas |  |  | 1 DTS | 1 OUR TSS SREPPMG CORP. | 4 Johore | 1 ketisumg | C-NS | \$2,48.001 | 7.158001 | 16.6sp.00] | n2001 | 152.60 1 | 3 CO 1 |
| 129 MODEST | 1 |  | 1015 | 1 OM DS SKPping corp. | 1 SHORE | 1 1FELRAG | C.NS | 12.403001 | 7,138.601 | 18888001 | 7201 | 102.101 | 7.501 |
| EEEPVALOR | ! |  | liss | 1 DOM TM Shepag corp. | 1 Sticarcre | 1 MPMSATAS | CNS | \$8.534.90 | 7.8037 | 20.157 .701 | ${ }^{2} \times 601$ | 10.701 | 9.01 |
| EVER VITAL | 1 |  | [0TS. | - COR TiA SHEG CORP. | 1 Shicarore | 1 KACHSTAG | 1 CNS | 18.3se.cs! |  | \%0,131.84। | ${ }^{25} 501$ | $188.74{ }^{15}$ | 9501 |
| Lasfumatit | I |  | jors | 1 DOH TM ShEpw corp. | 1 Whohsme | 1 ceat | cs | 12.25159 | 8.81550 | ${ }_{18080}^{17.8201}$ | 27501 | 151751. | 8.701 |
| ETM MASEP | 1 |  | SOTS | 1 ORY PRA ShPPing Corp. | 1 NHORE | 1 KADHSANG | 1 chs | 12.406.001 | 7.353001 | 18.8 .80 .001 | 22001 | 1828201 | 8001 |
| EVER VALLE | 1 |  | \%ors | 1 DOATM SHPG CORP. | 1 SHGAPORE | 1 MAHEAXAG | 1 cens | 18.50001 | ${ }_{5} 8.83001$ | 20,151.001 | 35.401 | 10874 |  |
| Y/4 5LMAT | ! |  | jois. | 1 DCH RM SAPPAEG CGRP. | 1 CACHISNEG | 1 Shmabaya | CNS | 14.152.501. | 5853.431 | 15,75231 | 34.001 | 177521 | 8.91 |
| Huchata | , |  | \| DTS | 1 DOM DM SHPPAGG CORO. | - SHGAPCRE | 1 KHFO | CNS | 12,40001 | 5551.001 ( | 17.45311 |  | 137051 | 9.4] |
| 14 APPFig | 1 |  | 1075 | - DON TM SHPPIKS CORP. | 1 KFELUNG |  | C.fs |  | ${ }_{851100}$ | 15752.231 | 26.001 | 174.321 <br> 15205 <br> 15 | 9001 |
| UNTCROW | ! |  | Dis. | - DON TM SKPFRNG CORP. | 1 Sticarore | 1 Karsinc | CNS | 12.40000 | 8, ${ }^{\text {8/is50 }}$ | $17.15{ }^{1721}$ | ns. | 15205 | ${ }^{9} 501$ |
| demanosimm | 1 |  | poss | 1 I DON TRA SHPPING CORP. | $\left\lvert\, \begin{aligned} & \text { KEELPAS } \\ & \text { V) } \\ & \text { SORE }\end{aligned}\right.$ |  | C-NS | 12.263 .52 12.60 .001 | ${ }_{7}^{8.1555001}$ | 17.088 .201 10880.081 | ${ }_{27} 2.501$ | ${ }_{502}^{25.751}$ | 0301 8501 |
| (ixa cimut | 1 |  | fors. | - CON TM ShPpasi CORP. | 1 KAOHSMAN | I SLRAbaya | CNS | 14.55 .58 | 5.63.01 | 1578231 | 24.001 | 13452i | 901 |
| EA COMEET | 1 |  | ICTS | 1 Con mamppng cosp. | 1 SNGMORE | 1 knchsang | Chis | 12.006001 | Es71:00 1 | 17.45331; | 2.001 | 152051 | 9.451 |
| ackuolet | 1 |  | If.js- |  | 1 STMGAPORE | I KuOhsinas | $\|\mathrm{CHS}\|$ | 10,427.001 | 9.141 .00 ! | nsxam1 | 3 scol | 192001 | 9.001 |
| acx dasy | 1 |  | [F3S | - FLIJPANSHFFING CCRP. | 1 STGAFORE | 1 KACHSTME | CNS. 1 | $22.5 \times 001$ | 8311.001 | 22,5er.001 | 2 ccol | 130.001 | $2 \mathrm{CO} \mathrm{S}^{2}$ |
| - ACXLIAC | t |  | 1 l 5 S | [ FR-LAPANSHEPStG CORP | 1 KOEE | I SMGAPORE | CNS | ${ }^{18.487 .091}$ | 9.41 .601 | 24.9700 | 20001 | 197.291 | 9001 |
| ARCADE SAGLE | ! |  | Ifos- | 1 FQ HPPANSHIPPING CORP. | 1 T0\%\%O. | - SmGAPORE | 1 chs | 9.945 .001 | 2983.001 | 0880.001 | 20.001. | 133.501 |  |
| PACFIC APROW | 1 |  | 1 FJS | 1 ER-APANSHEPGAG CORP. | 1 KOBE | 1 Slicarore | 1 CNS | 30.538 .01 | 970.001 | 28.45501 | 31.211 | 219.001 | 9.001 |
| acrions | I |  | 1 fas | 1 El MAPAN SHIDPIMG CORP | 1 K08E | sprgapize | chis | 24,432001 | 9.43 .001 | 2,75s.00] | 27,00] | 2800! | 9.801 |
| atxrose | 1 |  | 1 FSS | 1 Flinpan shapma corp | I STMapore | kamispig | 1 C.NS | 18.531 .001 | 8.251.001 | 27.73001 | 27031 | 171.001 | 980 |
| Hikawail | 1 |  | 1 Fss- | 1 Fh Mapal sispang Corp | 1 KDCAE | SPXAPMERE | C-NS | 28,45001 | 50.013001. | 23.518001 | 34.001 | 213001 | 980 |
| MAREHERTA | 1 |  | IFSS | 1 FL-APANSHPPING CORP. | 1 SHMGAPORE | apan | $\mid$ C.NS | 15.25311 | $8 \mathrm{gr3301}$ | ${ }^{17.4727 .001}$ | 30.031 | 198.401 | 8311 |
| Acxtior | , |  | IFIS | 1 FR-3CPANS STPPAKG CORP. | 1 Smicafone | KGOHSEMG | C.HS | i8.31001 | 825100 | 7328001 | 23001 | ${ }^{1815151}$ |  |
| gavraje | - |  | IFSS. |  | 1 Spigapore | HONGKONG | CHS | 21 Seltion | $\because 7.100 .001$ | 21.370001 | 25.k | 20800 | ${ }_{7}^{9.00}$ |
| OSLO EEATH | ; |  | 1 FIS |  | 1 \%ONGKONG | SMGAPORE | 1 CNS. | 8374.121 | 3.423121 | 8.488001 | 22001 | 132581 <br>  <br> 23501 | ${ }_{7081} 1$ |
| matade engle | 1 |  | 1 FSS. | 1 EtuAPAH SHPPIMG CORP. | 1 TDKYO | Smadpora | 1 C.NS. | 984601 | 292001 | 883001 | 20.001 | 83351 | 7.081 |
| FAP ARTIMA | , |  | fess. |  | $1 \mathrm{Pr} . \mathrm{chaumens}$ | I Fongeumg | CHS | gssemol | 3.500031 | g.1400] | 21.001 | 149.631 | 7651 |
| iakolar tehohov | 1 |  | fess | 1 FR,SOV Sthpani Co, mic. | 1 Sthambre | 1 HONGKO:S | \{ C-NS 1 | 215800 | 7.100001 | 27.370001 | ${ }_{6} 6.4$ | 200001 | 8.901 |
| KHL LOEASOH | 1 |  | fess | 1 FHSOV SHRPR CO. | 1 НомGK¢м, | I MELBOUREE | [CNS 1 | 7238001 | 12.802001 | 27.808001 | s2401 | 188801 | 9.501 |
|  | 1 |  | ifss. | 1 FiSOU Stupres Co., ne. | 1 Howskous | 1 MEEAOURNE | \| CNS 1 | 12.370 .971 | 7.032000 | \$5,203.001 | 21.25 | 178.24 | 9.001. |
| KH. Drukiv | 1 |  | lFs. |  | 18 8fSbane | 1 Bongiong |  | 2, 4.0000001. | ${ }_{8,88800 \mid}^{12.88200 \mid}$ | 22003011 | 25401 | ${ }_{181.63}$ | 0.01 |
| SERPKH | 1 |  | ifss |  | 1 19RISAAKE | 1 HMASEXOYG | \|lens | 14.000001 [83,00 | 9 OHO | 21/58001 | 24501 | ${ }_{16150 \mid}$ | 9.001 |


| VESSEL MAR： | 1 | REG． | divherorsmator | 12ST | Next | 1 TrPE ； | GRT | firt | OWT ； | 日EAS | LoA | oanct 1 |
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| 4．Muses | ， | 1F8． |  | EmSENTE | 1 Mowisutis | 16 cis | 13，8800 | ¢876 ${ }^{\text {a }}$ | 19：5003： | 3 Sil | 16142 | 9 m |
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| OLSMR | 1 |  |  | 1 \％ | 1 Frantait | 1－851 | 3 339 ${ }^{\text {a }}$ | 163tiof | 4.545901 | 17201 | 2761 | ¢20； |
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| CELiAvA | ， | fill |  | －SAGAPOEE | 1 REELHFS | t 6 | 15.50001 | 7890 | 20enco | 2306 | 19101 |  |
| － 5 | ； | lla | I Hegturolwes met | －smicufgrag | 1 PEEL | 1－6s 1 | 18.37 ma | 8．29001 | \％．10001 | $3 n^{3}$ | 163151 | 8 8） |
| Fetama | 1 | till | Ifeeliovo thes yic | I Smigardre | 1 HONSKONG | ｜cs | ： 0.75 col | 3817001 | 25．5s5001 | \％ 01 | ：c951 | 151 |
| gatutatomat | $\ddagger$ | 10as |  |  | 1 H27：Guchs | 1c．s ： | z．es：901 | 04001 | 3.88901 | 19301 | 951 |  |
|  | ； | 16ass |  | 1 Stheore | I SMSTPURE | 1 CN | 5．300w1 | 209031 | 780001 | 10 tol | 97001 | 590 ！ |
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APPENDIX D-1 Productivity of Container handing at South Harbor and MICT

| DATE | (1) NUMBER of vessels | (2) AVERAGE STAYING TIME (HRS) | (3) AVERage SERVICE TIME (HRS) | CONTAINER THROUGHPUT |  | GROSS PRODUCTIVITY (5) $/(1) \times(2)$ | PRODUCTIVITY <br> (5)/(1) $\times(3)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | (4) TEU | (5) UNIT |  |  |
| Nov. 1992 | 34 | 12.70 | 10.47 | 10,889 | 7,522 | 17.42 | 21.13 |
| Nov. 1990 | 100 | 14.22 | 12.99 | 36,382 | 26,382 | 18.55 | 20.31 |
| Dec. 1990 | 101 | 15.07 | 13.95 | 38,781 | 27,356 | 17.97 | 19.42 |

APPENDIX D-2 Ratio of Each Size Container at North Harbor in TEU


| Ratio of Each Size Container at North Harbor |
| :--- |
| NORTH(Domestic) <br> at berth |
| TEU(Total) |

1 Container(Foreign)

* Average vessel size in 2010 2010 year 1991 year
MICT : 30,000(DWT) 15,540 (DWT)
SOUTH: 130,000 (DWT) 8,870 (DWT)
Note: Data of South is used as pier No 3(ave. 7,700DWP)
* Number of average handling containers per vessel in 2010 2010 year 1991 year

MICT : 810(TEU) / vessel 418(TEU) / vessel
SOUTH: 470(TEU) / vessel 320(TEU) / vessel
Note: Data of South is on November, 1992

* Average loaded weight per container in 2010 2010 year 1991 year
MICT : 10.3 (MT) / unit $10.26(\mathrm{MT}) /$ unit
SOUTH: 9.3 (MT) / unit 9.25 (MT) / unit
* Average ratio of 40 Feet (TEU) in 2010 2010 year 1991 year
MICT : 70\% 59.32\%
SOUTH: 70\% 65.05\%
* Average ratio of Loaded Container (TEU) in 2010 2010 year 1991 year

MICT : 81.40\% 81.40\%
SOUTH: $72.60 \% \quad 72.60 \%$

* Average berth occupancy ratio in 2010
2010 year 1992 year

MICT : 50\% 50\%
SOUTH: 50\% 43\%

* Average service time per vessel in 2010

2010 year
MICT : 12.3(hrs) / vessel
12.99(hrs) / vessel

SOUTH: 12.9(hrs) / vessel
10.47(hrs) / vessel

Note: Data of South is from November, 1992
Data of MICT is from November, 1990
MICT ; Gantry crane 2 unit/berth
SOUTH;Gantry crane 1 unit/berth Considering the ratio of 40 feet containers(TEU), the actual number of handling vans per vessel is 567 and 365 units respectively in MICT and South harbor.

* Average productivities per hour in 2010

2010 year
MICT : 25 (unit) / hrs
SOUTH: 25(unit) / hrs

1991 year 20.31 (unit) / hrs 21.13 (unit) / hrs

Note: Data of South is on November, 1992
Data of MICT is on November, 1990

2 Conventional(Foreign)

* Average vessel size in 2010

2010 year 1992 year
SOUTH: $10,000(\mathrm{DWF}) \quad 8,476$ (DWT)
(Convo 6,505 DWT)
Note: Data of South is on December, 1992

* Average cargo volume per vessel in 2010 2010 year 1992 year
SOUTH: 2,700 (MT)/ vessel 2,269(MT)/ vessel
(Convo 1,718 MT)
Note: Data of South is on December, 1992
* Average berth occupancy ratio in 2010 2010 year 1991 year
SOUTH: 50\% 43\%
* Average staying time per vessel in 2010 2010 year 1992 year

SOUTH: $27(\mathrm{hrs}) /$ vessel $107.5(\mathrm{hrs}) /$ vessel
(Convo 40.3 hrs )
Note: Data of South is on December, 1992

APPENDIX D-4 Ratio of Cargo Volume by Vessels Type

1. Ratio of Cargo Volume by Vessel Type (North Harbor)
(Pier 2 - 16)
Cargo Volume by Vessel Type

|  | Cargo Volume |  |  | Nos. Vessel |
| :---: | :---: | :---: | :---: | :---: |
|  | General | Container | rotal |  |
| RO/RO TYPE | 5,824 | 42,067 | 47, 891 | 17 |
| CONTAIER TYPE | 5.712 | 45,161 | 50,873 | 15 |
| CONVENTIONAL TYPE | 9,470 | 0 | 9,470 | 7 |
| rotal | 21,006 | 87,228 | 108, 234 | 39 |

2. Ratio of Cargo Transported by Vessel Type (Pier 2 - 16)

Ratio of Cargo Volume by Vesse 1 Type (\%)

|  | Cargo Volume |  |  | Nos. Vessel |
| :---: | :---: | :---: | :---: | :---: |
|  | General | Container | Total |  |
| RO/RO TYPE | 28 | 48 | 44 | 17 |
| CONTAIER TYPE | 27 | 52 | 47 | 15 |
| CONVENTIONAL TYPE | 45 | 0 | 9 | 7 |
| rotal | 100 | 100 | 100 | 33 |

3. Calling Vessel Data, Aprij. 24 to 30, 1994

RO/RO Type Calling North Barbor Data From PPA, April 24 to 30, 1994


L0/I,0 Type Calling North Harbor

|  | DFT | Eeneral | Container | 3 x | rotal |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SULCON XI | 3.500 | 28 | 4,626 | 213 | 4,654 |  |
| SU1.CON 111 | 1,900 | 159 | 2,569 | 156 | 2.728 |  |
| PILCON 1 | 3.274 | 111 | 2,570 | 280 | 2,681 |  |
| HINDANAO | 12.478 | 678 | 8.391 | 507 | 9.069 |  |
| 11LCON 11 | 2,105 | 0 | 655 | 72 | 655 |  |
| CIIE APOSTLE | 4.382 | 305 | 4,407 | $23 ?$ | 4.712 |  |
| HILCON V | 3.742 | 181 | 1.190 | 138 | 1,371 |  |
| SUPER CON-1 | 7.218 | 15 | 2.145 | 216 | 2.160 |  |
| SUPER CON-2 | 5.852 | 9 | 1.668 | 333 | 1.677 |  |
| Sulcon Vll | 2.021 | 0 | 1.282 | 64 | 1. 282 |  |
| PALAKN PRINCES | 2.000 | 14 | 636 | 45 | 680 |  |
| SOLID DOS | 2,615 | 398 | 2,222 | 201 | 2.620 |  |
| SPEAKERS | 3.840 | 1,610 | 4.173 | 293 | 5.783 |  |
| MABUHAY | 4,085 | 1.774 | 4.260 | 287 | 6.034 |  |
| SOLID UNO | 2.003 | 400 | 1.367 | 120 | 1.767 |  |
| Cotal | 61.015 | 5.712 | 45,161 | 3.193 | 50.873 |  |
| IVERAGE | 4,068 | 381 | 3,011 | 213 | 3.392 | $n=15$ |
| $\begin{aligned} & \text { Ratio of } \\ & \text { Sinall Size (\%) } \end{aligned}$ |  |  | $\begin{aligned} & 8731 \\ & 19.3 \end{aligned}$ |  |  |  |
| Jinder 3.000 DKT | (1-5.7m) |  |  |  |  |  |

(ander 3.000 DHT (Draft -5.7m)
Conventional Type Calling North Harbor
Data from PPA, April 24 to 30,1994

|  | (1) T | Seneral | Container | Box | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MENTE S0l, |  | 708 | 0 | 0 | 708 |  |
| TALA NEGROS |  | 4.600 | 0 | 0 | 4,600 |  |
| JOSE CANDANO |  | 1.600 | 0 | 0 | 1,600 |  |
| ROMBLON BAY |  | 36 | 0 | 0 | 36 |  |
| GUMANDER |  | 1,100 | 0 | 0 | 1.100 |  |
| CONSOLACION |  | 1. 100 | 0 | 0 | 1,400 |  |
| ROMLON BAY |  | 26 | 0 | 0 | 26 |  |
| Total |  | 9,470 | 0 | 0 | 9.470 |  |
| IVERAGE |  | 1.353 |  |  | 1,353 | $h=7$ |

APPENDIX D-5 Ratio of Loaded Container and Weight per Container

Ratio of Loaded Containers and Height per Container

| $\begin{aligned} & \text { M1CT(Foreign) } \\ & \text { at berth } \end{aligned}$ | 1988 | 1989 | 1990 | 1991 |
| :---: | :---: | :---: | :---: | :---: |
| Cotal Volume | 1,541,900.00 | 2, 455,330, 00 | 3, 190, 856. 00 | 3, 887, 630, 00 |
| Containerized Volume | 1, 533, 564, 00 | 2, 449, 097.00 | 3, 182, 363.00 | 3, 881, 645,00 |
| IEU (Total) | 196,233.00 | 329, 560.00 | 424, 720.00 | 464,583.00 |
| TEU(Empty) | 44, 065.00 | 85, 329.00 | 102,277.00 | 86, 403.00 |
| hatio of Loaded C. \% | 77.54 | 74.11 | 75.92 | 81.40 |
| Volum (MT) /TEU (Load) | 10.08 | 10.03 | 9.87 | 10. 26 |
| Volume (VT) /TEU (Total | 7.82 | 7.43 | 7.48 | 8.36 |
| Number of Vessels | 460.00 | 815.00 | 1. 015.00 | 1,111.00 |
| Num. of Con. Messel | 426. 59 | 404.37 | 418.44 | 418.17 |
| south(Foreign) at berth |  |  |  |  |
| Total Volume | 3,298,547,00 | 3, 897, 211.00 | 3,717,947.00 | 2.763, 505.00 |
| Containerized Volume | 2.241,785.00 | 1, 931, 280.00 | 1, 432, 612.00 | 1,118,951.00 |
| TEU(Total) | 258, 380,00 | 274,382.00 | 220, 203.00 | 166, 566.00 |
| TEU (Empty) | 25, 858.00 | 43,748.00 | 50, 188.00 | 45, 640.00 |
| hatio of Loaded C. \% | 89.99 | 84.06 | 77. 21 | 72. 60 |
| Molut (MT) / TEU (Load) | 9.64 | 8.37 | 8.43 | 9. 25 |
| Volume (BT) /TEU (Total | 8.68 | 7.04 | 6.51 | 6.72 |
| HCT+SOUTH |  |  |  |  |
| Cotal Volume | 4, 840, 447.00 | 6, 352, 541.00 | 6, 908, 803.00 | $6,651,135.00$ |
| Containerized Volune | 3,775,349.00 | 4,380, 377.00 | 4, 614,975.00 | 5,000,596.00 |
| TEU (Total) | 454, 613.00 | $603,942.00$ | 644, 923.00 | 631.149.00 |
| TEU (Empty) | 69,923.00 | 129,077.00 | 152, 465.00 | 132,043.00 |
| Ratio of Loaded C. \% | 84. 62 | 78. 63 | 76.36 | 79.08 |
| Volut (MT) /TEU (Load) | 9.81 | 9.22 | 9.37 | 10.02 |
| Volune (MT) /TEU (Total | 8. 30 | 7.25 | 7.16 | 7.92 |


| YORTH (Domestic) at berth | 1988 | 1989 | 1990 | 1991 |
| :---: | :---: | :---: | :---: | :---: |
| Total Volune | 9, $634,445.00$ | 10,552, 484.00 | 10,621,240.00 | 10,454, 654.00 |
| Bontainerized Volume | 4, 781, 442. 00 | 5, 702, 530.00 | $6,492,453.00$ | 6, 946, 332. 00 |
| TEU (Total) | 303, 357. 00 | 346, 452.00 | 387, 196.00 | 407, 362.00 |
| TEU (Empty) | 24,153.00 | 36,259.00 | 55, 931.00 | 71, 183.00 |
| Ratio of loaded C.\% | 92.04 | 89.53 | 85.55 | 82.53 |
| Tolum (MT) /TEU (Load) | 17.13 | 18.38 | 19.60 | 20.66 |
| Yolume (MT) /TEU (Total | 15.76 | 16.46 | 16.77 | 17.05 |

APPENDIX D-6 Data for Short-Term Plan (Medium Case)

## 1. Port of Manila

1) Foreign Container Cargo, Number of Required Berths and Vessels in Each Year Container Vessel


Foreign Non-containerized Cargo, Number of Required Berths and Vessels in Each Year
Conventional Vessel
N

3) Domestic Container Cargo, Number of Required Berths and Vessels in Each Year.



4) Domestic Non-containerized Cargo, Number of Required Berths and Vessels in Each Year

2) Domestic Container Cargo, Number of Required Berths and Vessels in Each Year


## APPENDIX E:

E-1
Project Cost of Manila South Harbor (medium case)

| ITEM | Unit | $Q^{\prime}{ }^{\prime} \mathrm{y}$ | U.P. | Amount |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Peso | Peso | M. Peso |



Project Cost of MICT ( medium case )

| ITEM | Unit | $\begin{aligned} & \text { Q'ty } \\ & \text { Peso } \end{aligned}$ | U.P. Peso | Amount <br> M. Peso |
| :---: | :---: | :---: | :---: | :---: |
| A. Port Facilities |  |  |  | 4,781.9 |
| 1. General expenses and preparatory works | sum | 1 |  | 136.1 |
| 2. Marine works |  |  |  | 3,422.2 |
| 1) Dredging | $\mathrm{cu} . \mathrm{m}$ | 3,480,000 | 133 | 462.8 |
| 2) Filling | cu.m | 2,509,000 | 190 | 476.7 |
| 3) -13 m container berth | 1.m | 900 | 2,670,000 | 2,403.0 |
| 4) Revetment | 1.m | 670 | 115,000 | 77.1 |
| 5) Navigation aids | sum | 1 |  | 2.6 |
| 3. Civil Works |  |  |  | 1,223.6 |
| 1) Pavement of yard | sq.m | 302,250 | 1,600 | 483.6 |
| 2) Pavement of containe stacking point | sq.m | 48,495 | 2,250 | 119.1 |
| 3) Transfer crane lane |  | 10,800 | 12,000 | 129.6 |
| 4)Lighting/utilities | berth | 3 | 62,000*3 | 186.0 |
| 5)Truck scale | unit | 3 | 5,180,000 | 15.5 |
| 6) Buildings | sq.m | 27,000 | 11,100 | 299.7 |
| 7)Oter civil works | sum | 1 |  | 19.7 |
| B. Procurement |  |  |  | 2,890.0 |
| 1)Gantry crane P.P. | unit | 2 | 280,000*3 | 560.0 |
| 2) Gantry crane Pana. | unit | 4 | $230,000 * 3$ | 920.0 |
| 3) Yard crane, etc. | berth | 3 | $370,000 * 3$ | 1,110.0 |
| 4) Tug boat | fleet |  | 150,000*3 | 300.0 |
| C. Total construction cost |  |  |  | 7,671.9 |
| D. Indirect Cost <br> 1) Physical contingency <br> 2) Engineering fee <br> 3) Value Added Tax |  |  |  | 2,075.2 |
|  |  |  |  | 767.2 |
|  |  |  |  | 422.0 |
|  |  |  |  | 886.0 |
| E. Total Project Cost == =====ニ=======シ======= |  |  |  | 9,747.1 |

E-3
Project Cost of Manila North Harbor (medium case)

| ITEM U | Unit | $\begin{aligned} & \text { Q'ty } \\ & \text { Peso } \end{aligned}$ | $\begin{aligned} & \text { U.P. } \\ & \text { Peso } \end{aligned}$ | Amount M. Peso |
| :---: | :---: | :---: | :---: | :---: |
| A. Port Facilities |  |  |  | 4,687.4 |
| 1. General Expenses | sum | 1 |  | 136.5 |
| 2. Marine works |  |  |  | $2,615.3$ |
| 1) Dredging of |  |  |  |  |
| -9.0, -10m | cu.m | 4,200,000 | 133 | 558.6 |
| 2) Reclamation/Filling | cu.m | 2,620,000 | 190 | 497.8 |
| 3) -10 m Container Berth | m | 1,080 | 1,000,000 | 1,080.0 |
| 4)--9m Ro/Ro Berth new | m | 220 | 670,000 | 147.4 |
| 5) -9m existing Ro/Ro |  |  |  |  |
| Berth | m | 180 | 568,000 | 102.2 |
| 6) Revetment | 1.m | 600 | 128,750 | 77.2 |
| 7) Access road offshore | 1.m | 1,520 | 100,000 | 152.0 |
| 3. Civil works |  |  |  | 1,935.6 |
| 1) Pavement of |  |  |  |  |
| Container yard | sq.m | 389,000 | 1,600 | 622.4 |
| 2) Port Road ( $W=38 \mathrm{~m}$ ) | 1.m | 950 | 91,100 | 86.5 |
| 3) Outdoor Lighting | ha | 35 | 7,000,000 | 245.0 |
| 4)Track Scale | unit | 6 | 5,180,000 | 31.0 |
| 5) Container Freight |  |  |  |  |
| Station | sq.m | 45,000 | 9,500 | 427.5 |
| 6) Maintenance shop | sq.m | 4,800 | 12,500 | 60.0 |
| 7) Administration BLD | sq.m | 9,600 | 17,000 | 163.2 |
| 8) Bridge at Pasig Riv. | 1.m | 200 | 1,500,000 | 300.0 |
| B. Procurement |  |  |  | 2,130.0 |
| 1) Gantry Crane | unit | 6 |  | 1,080.0 |
| 2) Yard crane, etc. | berth | 6 | 175,000*3 | 1,050.0 |
| C. Total Construction Cost |  |  |  | 6,817.4 |
| D. Indirect cost |  |  |  | 1,844.1 |
| 1. Physical Contingency | sum | 1 |  | 681.7 |
| 2. Engineering Fee | sum | 1 |  | 375.0 |
| 3. Value Added Tax | sum | 1 |  | 787.4 |
| E. PROJECT COST |  |  |  | 8,661.5 |

E-4
Project Cost of Batangas Port (medium case)

| ITEM U | Unit | $\begin{aligned} & \text { Q'ty } \\ & \text { Peso } \end{aligned}$ | $\begin{aligned} & \text { U.P. } \\ & \text { Peso } \end{aligned}$ | Amount <br> M. Peso |
| :---: | :---: | :---: | :---: | :---: |
| A. Port Facilities |  |  |  | 461.3 |
| 1. General Expenses | sqım | 1 |  | 13.4 |
| 2. Marine Works |  |  |  | 346.8 |
| 1) Dredging | cu.m | 365,000 | 110 | 40.2 |
| 2) Reclamation | cu.m | 74,000 | 164 | 12.1 |
| 3) -10m Container Berth | h m | 150 | 609,000 | 91.4 |
| 4) -10m Seawall | m | 300 | 549,000 | 164.7 |
| 5) Revetment Av. -1 m | m | 200 | 90,000 | 18.0 |
| 6) Revetment Av.-3m | m | 85 | 60,000 | 5.1 |
| 7) Artificial concrete block $9 \times 2 \times 200 \mathrm{~m}$ | cu.m | 3,600 | 4,250 | 15.3 |
| 3. Civil Works |  |  |  | 101.1 |
| 1) Pavement of yard | sq.m | 27,380 | 1,600 | 43.8 |
| 2) Port Road ( $\mathrm{W}=22 \mathrm{~m}$ ) | sq.m | 13,200 | 1,075 | 14.2 |
| 3 ) Outdoor Lighting | berth | 1 | 15,750,000 | 15.8 |
| 4)Utilities | sum | 1 |  | 14.7 |
| 5) Other civil works | sum | 1 |  | 2.6 |
| 6 ) Warehouse | sq.m | 800 | 12,500 | 10.0 |
| B. Procurement |  |  |  | 355.0 |
| 1) Quay side crane | unit |  | 180,000,000 | 180.0 |
| 2)Yard crane | sum | 1 |  | 175.0 |
| C. Total Construction Cost |  |  |  | 816.3 |
| D. Indirect Cost |  |  |  | 220.8 |
| 1. Physical contingency | sum | 1 |  | 81.6 |
| 2. Engineering Fee | sum | 1 |  | 44.9 |
| 3. Value added tax | sum | 1 |  | 94.3 |
| E. Project Cost |  |  |  | 1,037.1 |

E-5
Project Cost of Manila South Harbor (high case)

| ITEM | Unit | $\begin{aligned} & \text { Q'ty } \\ & \text { Peso } \end{aligned}$ | $\begin{aligned} & \text { U.P. } \\ & \text { Peso } \end{aligned}$ | Amount <br> M. Peso |
| :---: | :---: | :---: | :---: | :---: |
| A. Port Facilities |  |  |  | 4,767.4 |
| 1. General Expenses | sum | 1 |  | 138.9 |
| 2. Marine Works |  |  |  | 3,442.1 |
| 1) Dredging | cu.m | 5,300,000 | 133 | 704.9 |
| 2) Reclamation/Filling | cu.m | 1,600,000 | 190 | 304.0 |
| 3) $-13 m$ Container Berth | 1.m | 900 | 2,160,000 | 1,944.0 |
| 4) Revetment | 1.m | 1,000 | 154,000 | 154.0 |
| 5) Offshore road | 1.m | 1,850 | 155,000 | 286.8 |
| 6) Demolish breakwater | $m$ | 1,100 | 44,000 | 48.4 |
| 3. Civil Works |  |  |  | 1,186.4 |
| 1) Pavement of crane Zone | sq.m | 48,495 | 2,250 | 109.1 |
| 2) Pavement of yard | sq.m | 279,000 | 1,600 | 446.4 |
| 3) Transfer crane lane | 1.m | 10,800 | 12,000 | 129.6 |
| 4)Outdoor lighting utilities | berth | 3 | 62,000,000 | 186.0 |
| 5) Truck scale | unit | 3 | 5,180,000 | 15.5 |
| 6) Container Freight Station etc | sq.m | 27,000 | 11,100 | 299.7 |
| B. Procurement |  |  |  | 2,890.0 |
| 1) Gantry crane P.P | unit | 2 | $280,000 * 3$ | 560.0 |
| 2) GAntry crane $P$ | unit | 4 | 230,000*3 | 920.0 |
| 3) Yard crane | berth | 3 | 370,000*3 | 1,110.0 |
| 3) Tug Boat | fleet | 2 | 150,000,000 | 300.0 |
| C. Total Construction Cost |  |  |  | 7,657.4 |
| D. Link road to highway | $1 . \mathrm{m}$ | 800 | 91,100 | 72.9 |
| E. Liand acquisition | sq.m | 40,000 | 6,000 | 240.0 |
| F. Relocation cost | sq.m | 8,000 | 10,000 | 80.0 |
| G. Total Construction Cost |  |  |  | 8,050.2 |
| H. Indirect Cost |  |  |  | 2,071.3 |
| 1. Physical contingency | sum | 1 |  | 765.7 |
| 2. Engineering Fee | sum | 1 |  | 421.1 |
| 3. Value added tax | sum | 1 |  | 884.4 |
| J. PROJECT COST |  |  |  | 10,121.4 |


| E-6 Project cost of MICT (high cas |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| ITEM | Unit | $\begin{aligned} & \text { Q'ty } \\ & \text { Peso } \end{aligned}$ | U.P. Peso | Amount <br> M. Peso |
| A. Port Facilities |  |  |  | 6,458.0 |
| 1. General Expenses and preparatory works |  |  |  | 188.1 |
| 2. Marine Works |  |  |  | 4,650.9 |
| 1) Dredging | cu.m | 5,020 | 133 | 667.7 |
| 2) Reclamation/Filling | cu.m | 3,160 | 190 | 600.4 |
| 3)-13m Container Berth |  | 1,200 | 2,670,000 | 3,204.0 |
| 4) Revetment | m | 670 | 115,000 | 77.1 |
| 5 ) Breakwater | m | 400 | 248,000 | 99.2 |
| 6) Navigation Aids | sum | 1 |  | 2.6 |
| 3. Civil Works |  |  |  | 1,619.0 |
| 1) Pavement ofcrane zone sq.m 64.660 2,250 145.5 |  |  |  |  |
| 2) Pavement of yard sq.m 395,200 1,600 |  |  |  | 632.4 |
| 3) Transfer crane lane 1.m 14,400 12,000 |  |  |  | 172.8 |
| 4)Outdoor lighting berth 4 62,000,000 248.0 <br> 5) Container Freight |  |  |  |  |
|  |  |  |  |  |
| 6) Station | sq.m | 36,000 | 11,100 | 399.6 |
| 6) Truck scale | unit | 4 | 5,180,000 | 20.7 |
| B . Procurement |  |  |  | 3,720.0 |
| 1) Gantry crane <br> (PostPANA) |  |  |  |  |
| 2) Gantry crane |  |  |  |  |
| 3)Yard crane | sum | 1 |  | 1,480.0 |
| 4) Tug Boat | fleet | 2 | 150,000,000 | 300.0 |
| C. Total construction cost |  |  |  | 9,140.2 |
| D. Indirect cost |  |  |  | 2,753.2 |
| 1. Physical contingency | sum | 1 |  | 1,017.8 |
| 2. Engineering Fee | sum | 1 |  | 560.0 |
| 3. Value added tax | sum | 1 |  | 1,175.6 |
| E. Project Cost |  |  |  | 12,931.2 |

E-7
Project Cost of Manila North Harbor (high case)

| ITEM | Unit | $\begin{aligned} & \text { Q'ty } \\ & \text { Peso } \end{aligned}$ | $\begin{aligned} & \text { U.P. } \\ & \text { Peso } \end{aligned}$ | Amount <br> M. Peso |
| :---: | :---: | :---: | :---: | :---: |
| A. Port Facilities |  |  |  | 7,429.3 |
| 1. General Expenses and preparatory works | sum | 1 |  | 216.4 |
| 2. Marine Works |  |  |  | 4,062.2 |
| 1) Dredging | cu.m | 8,630,000 | 133 | 1,147.8 |
| 2)Filling | cu.m | 2,620,000 | 190 | 497.8 |
| 3) -10 m Container Berth | m | 1,800 | 1,000,000 | 1,800.0 |
| 4)-9m Ro/Ro new Berth | m | 440 | 670,000 | 294.8 |
| 5)-9m Ro/Ro exist. B | m | 180 | 568,000 | 102.2 |
| 6) Revetment | m | 380 | 128,750 | 48.9 |
| 7) Access road offshore | m | 1,520 | 100,000 | 152.0 |
| 8) Navigation aids | sum | 1 |  | 18.6 |
| 3. Civil Works |  |  |  | 3,150.7 |
| 1) Pavement of Container Yard | sq.m | 577,800 | 1,600 | 924.5 |
| 2) Port Road | 1.m | 4,450 | 91,100 | 405.4 |
| 3)Outdoor lighting | ha | 55 | 7,000,000 | 385.0 |
| 4) Truck scale | unit | 10 | 5,180,000 | 51.8 |
| 7) Container Freight Station etc | sq.m | 99,000 | 10,950 | 1,084.0 |
| 8) Bridge at Riv. Pasig | $1 . \mathrm{m}$ | 200 | 1,500,000 | 300.0 |
| B. Procurement |  |  |  | 3,850.0 |
| 1) Gantry crane | uni.t |  | 180,000,000 | 1,800.0 |
| 2) Yard crane | berth | 10 |  | 1,750.0 |
| 3) Tug Boat | fleet | 2 | 150,000,000 | 300.0 |
| C. Total Costruction cost |  |  |  | 11,279.3 |
| D. Land acquisition cost | sq.m | 361,600 | 6,000 | 2,169.6 |
| E. Indirect cost |  |  |  | 3,051.0 |
| 1. Physical contingency | sum | 1 |  | 1,127.9 |
| 2. Engineering Fee | sum | 1 |  | 620.4 |
| 3. Value added tax | sum | 1 |  | 1,302.7 |
| F. Project Cost |  |  |  | 16,499.9 |

Project Cost of Batangas Port (high case)

| ITEM | Unit | $\begin{aligned} & Q^{\prime} t y \\ & \text { Peso } \end{aligned}$ | U.P. <br> Peso | Amount <br> M. Peso |
| :---: | :---: | :---: | :---: | :---: |
| A. Port Facilities |  |  |  | 953.7 |
| 1. General Expenses and preparatory works | sum |  |  | 27.8 |
| 2. Marine Works |  |  |  | 683.3 |
| 1 ) Dredging | $\mathrm{cu} . \mathrm{m}$ | 787,000 | 110 | 86.6 |
| 2) Reclamation/Filling | $\mathrm{cu} . \mathrm{m}$ | 313,000 | 164 | 51.3 |
| 3)-10m Container Berth | m | 500 | 609,000 | 304.5 |
| 4)-5.5m General Cargo Berth | m | 120 | 440,000 | 52.8 |
| 5) -10 m Seawall | m | 300 | 549,000 | 164.7 |
| 6 ) Revetment | m | 260 | 90,000 | 23.4 |
| 3. Civil Works |  |  |  | 242.6 |
| 1) Pavement of Yard | sq.m | 54,760 | 1,600 | 87.6 |
| 2) Port Road | sq.m | 18,700 | 1,075 | 20.1 |
| 3) Outdoor lighting | berth | 4 | 15,750,000 | 63.0 |
| 4) Utilities | sum | 1 |  | 44.1 |
| 5) Other civil works | sum | 1 |  | 7.8 |
| 6) Warehouse | sq.m | 1,600 | 12,500 | 20.0 |
| B. Procurement |  |  |  | 885.0 |
| 1) Gantry crane | unit | 2 | 180,000,000 | 360.0 |
| 2)Yard crane | sum | 3 | 175,000,000 | 525.0 |
| C. Total Construction Cost |  |  |  | 1,838.7 |
| D. Indirect cost |  |  |  | 497.4 |
| 1. Physical contingency | sum | 1 |  | 183.9 |
| 2. Engineering Fee | sum | 1 |  | 101. 1 |
| 3. Value added tax | sum | 1 |  | 212.4 |
| E. Project Cost |  |  |  | $2,336.1$ |

E-9
Project Cost of NAIC/CAVITE (high case Alternative)

| ITEM U | Unit | $\begin{aligned} & \text { Q'ty } \\ & \text { Peso } \end{aligned}$ | $\begin{array}{ll} \text { U.P. } & \text { A } \\ \text { Peso } & \text { M } \end{array}$ | Amount <br> M. Peso |
| :---: | :---: | :---: | :---: | :---: |
| A. Port Facilities |  |  |  | 4,748.1 |
| 1. General Expenses and preparatory works | sum | 1 |  | 138.3 |
| 2. Marine Works |  |  |  | 2,659.3 |
| 2. 1) Dredging | cu.m | 5,650,000 | 110 | 621.5 |
| 2) Reclamation | cu.m | 3,700,000 | 41 | 151.7 |
| 3)-13m Container Berth | m | 900 | 908,000 | 817.2 |
| 4) Breakwater | m | 2,020 | 271,500 | 548.4 |
| 5) Revetment | m | 1,900 | 199,000 | 378.1 |
| 6) Access road offshore | m | 1,300 | 102,000 | 132.6 |
| 7) Navigation Aids | sum | 1 |  | 9.8 |
| 3. Civil Works |  |  |  | 1,950.5 |
| 1) Pavement for crane zone | 1.m | 10,800 | 12,000 | 129.6 |
| 2) Pavement for container yard | sq.m | 279,000 | 1,600 | 446.4 |
| 3) Pavement of container stacking area | r sq.m | 48,495 | 2,250 | 109.1 |
| 4) Port Road | sq.m | 95,000 | 1,075 | 102.1 |
| 5)Outdoor lighting | berth | 3 | 62,000,000 | 186.0 |
| 6) Truck scale | unit | 3 | 5,180,000 | 15.5 |
| 7) Approach road | $1 . \mathrm{m}$ | 3,500 | 200,000 | 700.0 |
| 8) Container freight |  |  |  |  |
| 9) Station | sq.m sq.m | 19,800 2,400 | 8,000 11,000 | 158.4 26.4 |
| 10) Administration Bldg. | sq.m | 4,800 | 16,000 | 76.8 |
| Procurement |  |  |  | 3,040.0 |
| 1) Gantry crane (Postmanamax) | unit | 2 | 280,000*3 | $3 \quad 560.0$ |
| 2) Gantry crane | unit | 4 | 230,000*3 | - 920.0 |
| 3) Yard crane | berth | 3 | 370,000*3 | 1,110.0 |
| 4) Tug Boat | fleet | 3 | 150,000,000 | 450.0 |
| C. Total Construction Cos <br> D. Link road | 1.m | 14,000 | 100,000 | $\begin{aligned} & 7,788.1 \\ & 1,400.0 \end{aligned}$ |
| E. Land acquisition cost | ha | 60 | 30,000 | 1.8 |
| F. Relocation cost | sq.m | 6,000 | 10,000 | 60.0 |
| G. Indirect cost | sum | 1 |  | 2,102.8 |
| H. TOTAL PROJECT COST |  |  |  | 11,352.6 |

Project cost of Sangley Point (high case Alternative)

| ITEM | Unit | $\begin{aligned} & \text { Q'ty } \\ & \text { Peso } \end{aligned}$ | $\begin{aligned} & \text { U.P. } \\ & \text { Peso } \end{aligned}$ | Amount <br> M. Peso |
| :---: | :---: | :---: | :---: | :---: |
| A. Port Facilities |  |  |  | 4,753.8 |
| 1. General Expenses and preparatory works | sum | 1 |  | 138.5 |
| 2. Marine Works |  |  |  | 3,291.1 |
| 1) Dredging | cu.m | 8,500,000 | 110 | 935.0 |
| 2) Reclamation | $\mathrm{cu} . \mathrm{m}$ | 500,000 | 41 | 20.5 |
| 3)-12m Container Berth | m | 900 | 2,520,000 | 2,268.0 |
| 4) Revetment | m | 300 | 199,000 | 59.7 |
| 5) Navigation Aids | sum | 1 |  | 7.9 |
| 3. Civil Works |  |  |  | 1,324.2 |
| 1) Pavement for crane zone | 1.m | 10,800 | 12,000 | 129.6 |
| 2) Pavement of yard | sq.m | 279,000 | 1,600 | 446.4 |
| 3) Pavement of containe stacking area | sq.m | 48,495 | 2,250 | 109.1 |
| 4) Port Road | sq.m | 163,400 | 1,075 | 175.7 |
| 5)Outdoor lighting | berth | 3 | 62,000,000 | 186.0 |
| 6) Container Freight Station | sq.m | 19,800 | 8,000 | 158.4 |
| 7) Maintenance shop | sq.m | 2,400 | 11,000 | 26.4 |
| 8) Administration Bldg. | sq.m | 4,800 | 16,000 | 76.8 |
| 9)Truck scale | unit | 3 | 5,180,000 | 15.5 |
| B. Procurement |  |  |  | 3,040.0 |
| 1) Gantry crane (PostPanamax) | unit | 2 | 280,000*3 | 3660.0 |
| 2) Gantry crane (PANAMAX) | unit | 4 | 230,000*3 | 920.0 |
| 3) Yard crane | berth | 3 | 370,000*3 | 1,110.0 |
| 4) Tug Boat | fleet | , | 150,000,000 | 450.0 |
| C. Total Construction Cost |  |  |  | 7,793.8 |
| D. Link road | 1.m | 8,500 | 200,000 | 1,700.0 |
| E. Land acquisition cost | ha | 45 | 600,000 | 27.0 |
| F. Relocation cost | sum |  |  | 4,200.0 |
| G. Indirect cost | sum | 1 |  | 2,104.3 |
| H. Project Cost |  |  |  | 15,825.1 |

## APPENDIX F: Demand Forecast

Appendix F-1 and Table 2-3 (continued)
CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH DOMESTIC - BREAKBULK
(UNIT: TON )

| COMHODITY | TOTAL |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | Batancas | NORTH | SOUTH | MICT |
| Total | 4,396,639 | 943,575 | 3,453,020 | 0 | 44 |
| Abaca | 7,151 | 87 | 7,064 | 0 | 0 |
| Animal Feeds | 59,816 | 15,855 | 43,961 | 0 | 0 |
| Copra | 60,016 | 32,936 | 27,080 | 0 | 0 |
| Corn | 199,373 | 70,970 | 128,403 | 0 | 0 |
| Pertilizer | 145,050 | 19,742 | 125, 308 | 0 | 0 |
| Fish \& Fish Prep. | 82,604 | 13,652 | 68,952 | 0 | 0 |
| Fruits \& Vegetables | 177,712 | 76,386 | 101,326 | 0 | 0 |
| Live Animal | 82,524 | 20,590 | 61,934 | 0 | 0 |
| Logs | 337,978 | 2,761 | 335,217 | 0 | 0 |
| Lumber | 68,223 | 4,300 | 63,923 | 0 | 0 |
| Palay \& Rice | 181,072 | 97,805 | 83,26? | 0 | 0 |
| Sugar | 244,256 | 7,258 | 236,998 | 0 | 0 |
| Transport Equipment | 425,500 | 372,460 | 53,040 | 0 | , |
| Wheat | 39,936 | 8,321 | 31,615 | 0 | 0 |
| SuM(Small Vol. Cargos) | 120,688 | 1,701 | 118,987 | 0 | 0 |
| Bottled Cargo | 184,313 | 41,990 | 142,323 | 0 | 0 |
| Dairy Products | 5,673 | 1,561 | 4,112 | 0 | 0 |
| Dther Gen Cargo | 677,007 | 88,379 | 588,628 | 0 | 0 |
| Mach. \& Elect. Equipt. | 36,976 | 1,726 | 35,206 | 0 | 44 |
| Cement | 115,546 | 34,584 | 80,962 | 0 | 0 |
| Chemicals | 118,064 | 1,161 | 116,903 | 0 | 0 |
| Crude Minerals | 42,481 | 14;817 | 27,664 | 0 | 0 |
| Iron \& Steel | 595,478 | 2,613 | 592,865 | 0 | 0 |
| Metaliferous Ores/Scrap | 23,188 | 1,435 | 21,753 | 0 | 0 |
| Mineral Fuel | 33,735 | 2,570 | 31,165 | 0 | 0 |
| Ref.Petroleum \& Prod. | 9,588 | 2,264 | 7,324 | 0 | 0 |
| Furniture | 10,797 | 1,083 | 9,714 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 58,034 | 733 | 57,301 | 0 | 0 |
| Paper \& Pulp | 37,437 | 75 | 37,362 | 0 | 0 |
| Plywood \& Veneer | 175,855 | 1,145 | 174,710 | 0 | 0 |
| Rattan | - 0 | 0 | 0 | 0 | 0 |
| Pextile Fiber | 6,692 | 841 | 5,851 | 0 | 0 |
| Textile \& Garments Prod | 16,810 | 255 | 16,555 | 0 | 0 |
| Fobacco \& Manufactures | 17,066 | 1,519 | 15,547 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH
DOMESTIC - BULK

| COMMODITY | TOTAL |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL 4 HARBORS | BATANGAS | MANILA NORTH | MANILA SOUTH | MICT |
| Total | 55,298 | 0 | 55,298 | 0 | 0 |
| Abaca | 0 | 0 | 0 | 0 | 0 |
| Animal Feeds | 0 | 0 | 0 | 0 | 0 |
| Copra | 9,749 | 0 | 9,749 | 0 | 0 |
| Corn | 1,948 | 0 | 1,948 | 0 | 0 |
| Pertilizer | 0 | 0 | 0 | 0 | 0 |
| Fish \& Fish Prep. | 0 | 0 | 0 | 0 | 0 |
| Fruits \& Vegetables | 0 | 0 | 0 | 0 | 0 |
| Live Animal | 0 | 0 | 0 | 0 | 0 |
| Logs | 0 | 0 | 0 | 0 | 0 |
| Lumber | 0 | 0 | 0 | 0 | 0 |
| Palay \& Rice | 0 | 0 | 0 | 0 | 0 |
| sugar | 0 | 0 | 0 | 0 | 0 |
| rransport Equipment | 0 | 0 | 0 | 0 | 0 |
| Wheat | 0 | 0 | 0 | 0 | 0 |
| SUM(Small Vol. Cargos) | 0 | 0 | -0 | 0 | 0 |
| Bottled Cargo | 0 | 0 | 0 | 0 | 0 |
| Dairy Products | 0 | 0 | 0 | 0 | 0 |
| Other Gen.Cargo | 250 | 0 | 250 | 0 | 0 |
| Mach. \& Elect Equipt. | 0 | 0 | 0 | 0 | 0 |
| Cement | 0 | 0 | 0 | 0 | 0 |
| Chenicals | 30,939 | 0 | 30,939 | 0 | 0 |
| Crude Minerals | 5,549 | 0 | 5,549 | 0 | 0 |
| Tron \& Steel | 0 | 0 | 0 | 0 | 0 |
| Metaliferous Ores/Scrap | 0 | 0 | 0 | 0 | 0 |
| Mineral Fuel | 6,859 | 0 | 6,859 | 0 | 0 |
| Ref. Petroleum \& Prod. | 4 | 0 | 4 | 0 | 0 |
| Purniture | 0 | 0 | 0 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 0 | 0 | 0 | 0 | 0 |
| Paper \& Pulp | 0 | 0 | 0 | 0 | 0 |
| Plywood \& Veneer | 0 | 0 | 0 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 0 | 0 | 0 | 0 | 0 |
| Textile \& Garments Prod | 0 | 0 | 0 | 0 | 0 |
| Tobacco \& Manufactures | 0 | 0 | 0 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH

| DOMESTIC - CONTAINERIZED |  |  | ( UNIT : TON ) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | TOTAL |  |  |
| COMMODITY | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOUXH | MICT |
| fotal | 7,011,614 | 0 | 6,951,127 | 5,792 | 54,695 |
| Abaca | 15,072 | 0 | 14,666 | 406 | 0 |
| Animal Feeds | 191,213 | 0 | 191,000 | 213 | 0 |
| Copra | 39,610 | 0 | 39,610 | 0 | 0 |
| Corn | 465,749 | 0 | 465,749 | 0 | 0 |
| Pertilizer | 3,670 | 0 | 3,670 | 0 | 0 |
| Fish \& Fish Prep. | 104,544 | 0 | 100,805 | 608 | 3,131 |
| Fruits \& Vegetables | 426,586 | 0 | 418,022 | 199 | 8,365 |
| Live Animal | 138,100 | 0 | 138,100 | 0 | 0 |
| logs | 3,744 | 0 | 3,744 | 0 | 0 |
| Lumber | 62,809 | 0 | 62,791 | 18 | 0 |
| Palay \& Rice | 43,638 | 0 | 43,638 | 0 | 0 |
| Sugar | 236,836 | 0 | 236,836 | 0 | 0 |
| Transport Equipment | 28,534 | 0 | 28,534 | 0 | 0 |
| Wheat | 91,265 | 0 | 91, 265 | 0 | 0 |
| SuM(Small Vol. Cargos) | 17,782 | 0 | 17,782 | -0 | -0 |
| Bottled Cargo | 534,335 | 0 | 534,335 | 0 | 0 |
| Dairy Products | 142,197 | 0 | 142,197 | 0 | 0 |
| Other Gen.Cargo | 3,217,693 | 0 | 3,196,222. | 2,022 | 19,449 |
| Mach \& Elect Equipt. | 77,069 | 0 | 76,374 | 49 | 646 |
| Cement | 37,562 | 0 | 37,562 | 0 | 0 |
| Chemicals | 245,844 | 0 | 244,942 | 574 | 328 |
| Crude Minerals | 65,378 | 0 | 62,916 | 202 | 2.260 |
| Iron \& Steel | 51,653 | 0 | 51,653 | 0 | 0 |
| Metaliferous Ores/Scrap | 44,208 | 0 | 44,154 | 54 | 0 |
| Mineral Fuel | 12,138 | 0 | 12,138 | 0 | 0 |
| Ref Petroleun \& Prod. | 72,766 | 0 | 72,766 | 0 | 0 |
| Turniture | 76,733 | 0 | 70,044 | 1,200 | 5,489 |
| Handicraft | 5,481 | 0 | 0 | 0 | 5,481 |
| Manufactured Metal | 307,420 | 0 | 307,272 | 148 | 0 |
| Paper \& Pulp | 97,296 | 0 | 97,296 | 0 | 0 |
| Plywood \& Veneer | 24,352 | 0 | 21,015 | 36 | 3, 301 |
| Rattan | 4,078 | 0 | 0 | 0 | 4,078 |
| Textile Fiber | 19,314 | 0 | 17,147 | 0 | 2,167 |
| Textile \& Garments Prod | 14,446 | 0 | 14,383 | 63 | 0 |
| Tobacco \& Manufactures | 92,501 | 0 | 92,501 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH

| DOMESTIC - TOTAL CARGO |  |  | ( UNIT : TION) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COMMODITY | TOTAL |  |  |  |  |
|  | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOUTH | MLCT |
| Total | 11,463,551 | 943,575 | 10,459,445 | 5,792 | 54,739 |
| Abaca | 22,223 | 87 | 21,730 | 406 | 0 |
| Animal Feeds | 251,030 | 15,855 | 234,962 | 213 | 0 |
| Copra | 109,374 | 32,936 | 76,438 | 0 | 0 |
| Corn | 667,070 | 70,970 | 596,100 | 0 | 0 |
| rertilizer | 148,720 | 19,742 | 128,978 | 0 | 0 |
| Tish \& Fish Prep. | 187,148 | 13,652 | 169,757 | 608 | 3,131 |
| ruits \& Vegetables | 604,297 | 76,386 | 519,347 | 199 | 8,365 |
| Live Animal | 220,624 | 20,590 | 200,034 | 0 | 0 |
| Logs | 341,721 | 2,761 | 338,960 | 0 | 0 |
| Lumber | 131,032 | 4,300 | 126,714 | 18 | 0 |
| Palay \& Rice | 224,710 | 97,805 | 126,905 | 0 | 0 |
| Sugar | 481,092 | 7,258 | 473,834 | 0 | 0 |
| Transport Equipment | 454,033 | 372,460 | 81,573 | 0 | 0 |
| Wheat | 131,202 | 8,321 | 122,881 | 0 | 0 |
| SIM(Snall Vol. Cargos) | 138,470 | 21,738 | 136,769 | -0 | 0 |
| Bottled Cargo | 718,647 | 41,990 | 676,657 | 0 | 0 |
| Dairy Products | 147,870 | 1,561 | 146,309 | 0 | 0 |
| Other Gen.Cargo | 3, 894,950 | 88,379 | 3,785,100 | 2,022 | 19,449 |
| Mach \& Elect.Equipt. | 114,045 | 1,726 | 111,580 | 49 | 690 |
| Cement | 153,108 | 34,584 | 118,524 | 0 | 0 |
| Chemicals | 394,847 | 1,161 | 392,784 | 574 | 328 |
| Crude Minerals | 113,407 | 14,817 | 96,128 | 202 | 2,260 |
| Iron \& Steel | 647,132 | 2,613 | 644,519 | 0 | 0 |
| Metaliferous Ores/Scrap | 67,396 | 1,435 | 65,907 | 54 | 0 |
| Mineral Fuel | 52,732 | 2,570 | 50,162 | 0 | 0 |
| Ref. Petroleum \& Prod. | 82,359 | 2,264 | 80,095 | 0 | 0 |
| Furniture | 87,530 | 1,083 | 79,758 | 1,200 | 5,489 |
| Handicraft | 5,481 | 0 | 0 | 0 | 5,481 |
| Manufactured Metal | 365,454 | 733 | 364,573 | 148 | 0 |
| Paper \& Pulp | 134,732 | 75 | 134,657 | 0 | 0 |
| Plywood \& Veneer | 200,207 | 1,145 | 195,725 | 36 | 3,301 |
| Rattan | 4,078 | 0 | 0 | 0 | 4,078 |
| Pextile Fiber | 26,006 | 841 | 22,998 | 0 | 2,167 |
| rextile \& Garments Prod | 31,256 | 255 | 30,938 | 63 | 0 |
| Tobacco \& Manufactures | 109,568 | 1,519 | 108,049 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH

| COMMODITY | TOTAL |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOUTH | MICT |
| Total | 1,300,166 | 56,027 | 0 | 1,238,155 | 5,984 |
| Abaca | 0 | 0 | 0 | 0 | 0 |
| Animal Feeds | 60 | 50 | 0 | 10 | 0 |
| Copra | 0 | 0 | 0 | 0 | 0 |
| Corn | 0 | 0 | 0 | 0 | 0 |
| Fertilizer | 46,619 | 46,600 | 0 | 19 | 0 |
| Fish \& Fish Prep. | 121,501 | 0 | 0 | 121,501 | 0 |
| rruits \& Vegetables | 10,261 | 0 | 0 | 10,261 | 0 |
| Live Animal | 104,585 | 4,366 | 0 | 100,219 | 0 |
| Logs | 76,891 | 0 | 0 | 76,891 | 0 |
| Lumber | 171 | 0 |  | 171 | 0 |
| Palay \& Rice | 15,383 | 0 | 0 | 15,383 | 0 |
| Sugar | 0 | 0 |  | 0 | 0 |
| Wheat | 1 | 0 | 0 | - 1 | 0 |
| SUM(Small Yol. Cargos) | 544 | 6 | 0 | 538 | 0 |
| Bottled Cargo | 682 | 0 | 0 | 682 | 0 |
| Dairy Products | 769 | 0 | 0 | 769 | 0 |
| bther Gen Cargo | 36,412 | 19 | 0 | 34,992 | 1,401 |
| Mach \& Elect equipt. | 71,274 | 0 |  | 68,990 | 2,284 |
| Cement | 51,565 | 0 |  | 51,565 | 0 |
| Chemicals | 26,286 | 0 |  | 26,286 | 0 |
| Crude Minerals | 9,040 | 0 | 0 | 9,040 | 0 |
| Iron \& Steel | 595,839 | 0 | 0 | 595,839 | 0 |
| Metaliferous Ores/Scrap | 7,835 | 0 | 0 | 7,835 | 0 |
| Mineral Fuel | 7,456 | 0 | 0 | 7,456 | 0 |
| Ref. Petroleum \& Prod. | 4,890 | 0 | 0 | 4,890 | 0 |
| purniture | 0 | 0 | 0 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 16,251 | 967 | 0 | 15,284 | 0 |
| Paper \& Pulp | 7,846 | 0 | 0 | 7,846 | 0 |
| plywood \& Veneer | 102 | 0 | 0 | 0.102 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 1,236 | 0 | 0 | 1,236 | 0 |
| Textile \& Garments Prod | 11,350 | 0 | 0 | - 11, ${ }^{\text {a }}$ ( | 0 |
| Tobacco \& Manufactures | 4,665 | 4,017 | 0 | 0 - 648 | 0 |
| Transport Equipment | 70,652 | 2 |  | - 68,351 | 2,299 |

CARGO STATISTICS BY COMNODITY CLASSIFICATION-BASE PORT AT BERTH

| FOREIGN - BULK ( ${ }^{\text {SNIT }}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COMMODITY | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | batangas | NORTH | SOUTH | MICT |
| Total | 407,739 | 0 | 0 | 407,739 | 0 |
| Abaca | 0 | 0 | 0 | 0 | 0 |
| Animal Feeds | 0 | 0 | 0 | 0 | 0 |
| Copra | 0 | 0 | 0 | 0 | 0 |
| Corn | 0 | 0 | 0 | 0 | 0 |
| Fertilizer | 0 | 0 | 0 | 0 | 0 |
| Fish \& Fish Prep. | 0 | 0 | 0 | 0 | 0 |
| Fruits \& Vegetables | 599 | 0 | 0 | 599 | 0 |
| live Animal | 0 | 0 | 0 | 0 | 0 |
| Logs | 8,465 | 0 | 0 | 8,465 | 0 |
| Lumber | 0 | 0 | 0 | 0 | 0 |
| Palay \& Rice | 0 | 0 | 0 | 0 | 0 |
| Sugar | 0 | 0 | 0 | 0 | 0 |
| Wheat | 0 | 0 | 0 | 0 | 0 |
| SIM(Small Vol. Cargos) | 5,028 | 0 | 0 | 5,028 | 0 |
| Rottled Cargo | 0 | 0 | 0 | 0 | 0 |
| Dairy Products | 0 | 0 | 0 | 0 | 0 |
| Other Gen Cargo | 0 | 0 | 0 | 0 | 0 |
| Mach. \& Elect. Equipt. | 0 | 0 | 0 | 0 | 0 |
| Cement | 40,776 | 0 | 0 | 40,776 | 0 |
| Chemicals | 0 | 0 | 0 | 0 | 0 |
| Crude Minerals | 222,179 | 0 | 0 | 222,179 | 0 |
| Iron \& Steel | 0 | 0 | 0 | 0 | 0 |
| Metaliferous Ores/Scrap | 25,257 | 0 | 0 | 25,257 | 0 |
| Hineral Fuel | 94,616 | 0 | 0 | 94,616 | 0 |
| Ref. Petroleun \& Prod. | 10,819 | 0 | 0 | 10,819 | 0 |
| Purniture | 0 | 0 | 0 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 0 | 0 | 0 | 0 | 0 |
| Paper \& Pulp | 0 | 0 | 0 | 0 | 0 |
| Plywood \& Veneer | 0 | 0 | 0 | 0 | 0 |
| Rattan | 0 | - | 0 | 0 | 0 |
| Pextile Fiber | 0 | 0 | 0 | 0 | 0 |
| Textile \& Garments Prod | 0 | 0 | 0 | 0 | 0 |
| Tobacco \& Manufactures | 0 | 0 | 0 | 0 | 0 |
| Transport Equipment | 0 | 0 | 0 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH

| FORBIGN - CONTAINERIZBD |  | ( UNIT : TON) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COMMODITY | TOTAL |  |  |  |  |
|  | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOUTH | MICl |
| Total | 5,001,753 | 0 | 0 | 119,213 | 882,540 |
| Abaca | 45,720 | 0 | 0 | 8,071 | 37,649 |
| Animal Feeds | 27,155 | 0 | 0 | 10,212 | 16,943. |
| Copra | 73 | 0 | 0 | 37 | 36 |
| Corn | 21 | 0 | 0 | 0 | 21 |
| Rertilizer | 1,721 | 0 | 0 | 256 | 1,465 |
| fish \& Fish Prep. | 130,365 | 0 | 0 | 22,248 | 108,117 |
| Fruits \& Vegetables | 276,729 | 0 | 0 | 39,397 | 237, 332 |
| Live Animal | 539 | 0 | 0 | 539 | 0 |
| Logs | 295 | 0 | 0 | 0 | 295 |
| Lumber | 8,608 | 0 | 0 | 1,840 | 6,768 |
| Palay \& Rice | 2,012 | 0 | 0 | 0 | 2,012 |
| Sugar | 13,523 | 0 | 0 | 0 | 13,523. |
| Wheat | 19,261 | 0 | 0 | 1,705 | 17,556 |
| sum(Small Vol. Cargos) | 44,009 | 0 | 0 | 9,064 | 34,945 |
| Bottled Cargo | 22,300 | 0 | 0 | 13,274 | 9,026 |
| Dairy Products | 84,600 | 0 | 0 | 34,845 | 49,755 |
| Other Gen Cargo | 762,132 | 0 | 0 | 318,672 | 443,460 |
| Mach. \& Elect Equipt. | 626,549 | 0 | 0 | 91,543 | 535,006 |
| Cement | 4,537 | 0 | 0 | 3,670 | 867 |
| Chenicals | 828,325 | 0 | 0 | 163,735 | 664,590 |
| Crude Minerals | 83,254 | 0 | 0 | 27.673 | 55,581 |
| Iron \& Steel | 93,821 | 0 | 0 | 8,779 | 85,042 |
| Metaliferous Ores/Scrap | 61,985 | 0 | 0 | 10,089 | 51,896 |
| Mineral Fuel | 3,822 | 0 | 0 | 3,329 | 493 |
| Ref Petroleum \& Prod. | 7,823 | 0 | 0 | 3,854 | 3,969 |
| furniture | 281,725 | 0 |  | 15,788 | 265,937 |
| Handicraft | 261,293 | 0 |  | 0 | 261,293 |
| Manufactured Metal | 178,723 | 0 |  | 22,937 | 155,786 |
| Paper \& Pulp | 271,505 | 0 |  | 142,163 | 129,342 |
| Plywood \& Veneer | 31,560 | 0 |  | 1,487 | 30,073 |
| Rattan | 1,972 | 0 |  | 0 | 1,972 |
| Textile Fiber | 34,077 | 0 |  | 16,273 | 17,804 |
| Iextile \& Garments Prod | 718,432 | 0 |  | 93,270 | 625,162 |
| Tobacco \& Manufactures | 25,784 | 0 |  | 11,288 | 14,496 |
| Transport Equipment | 47,503 | 0 |  | 43,175 | 4,328 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AI BERTH

| FOREIGN - TOTAL CARGO |  |  | ( UNIT : TON ) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COMMODITY | TOTAL |  |  |  |  |
|  | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOUTH | MICT |
| rotal | 6,709,658 | 56,027 |  | 2,765,107 | ,888,524 |
| Abaca | 45,720 | 0 | 0 | 8,071 | 37,649 |
| Animal Feeds | 27,215 | 50 | 0 | 10,222 | 16,943 |
| Copra | 73 | 0 | 0 | 37 | 36 |
| Corn | 21 | 0 | 0 | 0 | 21 |
| Pertilizer | 48,340 | 46,600 | 0 | 275 | 1,465 |
| Fish \& Fish Prep. | 251,866 | 0 | 0 | 143,749 | 108,117 |
| Fruits \& Vegetables | 287,589 | 0 | 0 | 50,257 | 237,332 |
| tive Animal | 105,124 | 4,366 | 0 | 100,758 | 0 |
| Logs | 85,651 | 0 | 0 | 85,356 | 295 |
| Lumber | 8,779 | 0 | 0 | 2,011 | 6,768 |
| Palay \& Rice | 17,395 | 0 | 0 | 15,383 | 2,012 |
| Sugar | 13,523 | 0 | 0 | 0 | 13,523 |
| Wheat | 19,262 | 0 | 0 | 1,706 | 17,556 |
| som(Small Vol. Cargos) | 49,581 | 6 | 0 | 14,630 | 34,945 |
| Bottled Cargo | 22,982 | 0 | 0 | 13,956 | 9,026 |
| Dairy Products | 85,369 | 0 | 0 | 35,614 | 49,755 |
| Other Gen Cargo | 798,544 | 19 | 0 | 353,664 | 444,861 |
| Mach. \& Elect Equipt. | 697,823 | 0 | 0 | 160,533 | 537,290 |
| Cement | 96,878 | 0 | 0 | 96,011 | 867 |
| Chemicals | 854,611 | 0 | 0 | 190,021 | 664,590 |
| Crude Minerals | 314,473 | 0 |  | 258,892 | 55,581 |
| Iron \& Steel | 689,660 | 0 | 0 | 604,618 | 85,042 |
| Metaliferous Ores/Scrap | 95,077 | 0 | 0 | 43,181 | 51,896 |
| Mineral Fuel | 105,894 | 0 | 0 | 105,401 | 493 |
| Ref Petroleum \& Prod. | 23,532 | 0 | 0 | 19,563 | 3,969 |
| Purniture | 281,725 | 0 | 0 | 15,788 | 265,937 |
| Handicraft | 261,293 | 0 | 0 | 0 | 261,293 |
| Manufactured Metal | 194,974 | 967 | 0 | 38,221 | 155,786 |
| Paper \& Pulp | 279,351 | 0 |  | 150,009 | 129,342 |
| Plywood \& Veneer | 31,662 | 0 |  | 1,589 | 30,073 |
| Rattan | 1,972 | 0 | 0 | 0 | 1,972 |
| Textile Fiber | 35,313 | 0 |  | 17,509. | 17,804 |
| Textile \& Garments Prod | 729,782 | 0 |  | 104,620 | 625,162 |
| Tobacco \& Manufactures | 30,449 | 4,017 | 0 | 11,936 | 14,496 |
| Transport Equipment | 118,155 | 2 | 0 | 111,526 | 6,627 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH
DOMESTIC ~ BREAKBULK

| COMMODITY | INHARD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL | bATANGAS | MANILA NORTH | MANILA SOUTH | MICT |
| Total | 3,108,096 | 562,159 | 2,545,893 | 0 | 44 |
| Abaca | 6,946 | 85 | 6,861 | 0 | 0 |
| Animal Feeds | 41,396 | 6,371 | 35,025 | 0 | 0 |
| Copra | 59,575 | 32,893 | 26,682 | 0 | 0 |
| Corn | 196,709 | 70,634 | 126,075 | 0 | 0 |
| Pertilizer | 122,413 | 233 | 122,180 | 0 | 0 |
| fish \& Fish Prep. | 80,660 | 13,295 | 67,365 | 0 | 0 |
| rruits \& Vegetables | 155,755 | 73,920 | 81,835 | 0 | 0 |
| live Animal | 80,273 | 19,825 | 60,448 | 0 | 0 |
| Logs | 331,862 | 2,616 | 329,246 | 0 | 0 |
| Lumber | 66,623 | 3,758 | 62,865 | 0 | 0 |
| Palay \& Rice | 111,095 | 92,814 | 18,281 | 0 | 0 |
| Sugar | 228,529 | 23 | 228, 506 | 0 | 0 |
| Transport Equipment | 197,754 | 186,124 | 11,630 | 0 | 0 |
| Wheat | 24,952 | 69 | 24,883 | 0 | 0 |
| SUM(Small Vol. Cargos) | 115,514 | 20,152 | 115,399 | 0 | 0 |
| Bottled Cargo | 37,420 | 74 | 37,346 | 0 | 0 |
| Dairy Products | 688 | 80 | 608 | 0 | 0 |
| Other Gen.Cargo | 298,806 | 38,515 | 260,291 | 0 | 0 |
| Mach. \& Elect Equipt. | 12,868 | 409 | 12,415 | 0 | 44 |
| Cement | 74,851 | 2,569 | 72,282 | 0 | 0 |
| Chemicals | 73,791 | 102 | 73,689 | 0 | 0 |
| Crude Minerals | 35,193 | 14,169 | 21,024 | 0 | 0 |
| Iron \& Steel | 471,872 | 390 | 471,482 | 0 | 0 |
| Metaliferous Ores/Scrap | 17,351 | 1,020 | 16,331 | 0 | 0 |
| Mineral Fuel | 30,955 | 448 | 30, 507 | 0 | 0 |
| Ref. Petroleun \& Prod. | 498 | 58 | 440 | 0 | 0 |
| Furniture | 5,157 | 188 | 4,969 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 21,138 | 129 | 21,009 | 0 | 0 |
| Paper \& Pulp | 18,315 | 34 | 18,281 | 0 | 0 |
| Plywood \& Veneer | 170,028 | 1 | 170,027 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 3,551 | 796 | 2,755 | 0 | 0 |
| Textile \& Garments Prod | 11,692 | 32 | 11,660 | 0 | 0 |
| lobacco \& Manufactures | 3,807 | 370 | 3,497 | 0 | 0 |

CARGO STATISIICS BY COMMODITY CLASSIFICATION-BASB PORT AT BERTH
DOMESTIC - BULK

| COMMODITY | INHARD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL | batingas | MANILA | MANILA solvt | MICT |
| Total | -55,048 | 0 | 55,048 | 0 | 0 |
| Abaca | 0 | 0 | 0 | 0 | 0 |
| Animal Feeds | 0 | 0 | 0 | 0 | 0 |
| Copra | 9,749 | 0 | 9,749 | 0 | 0 |
| Corn | 1,948 | 0 | 1,948 | 0 | 0 |
| Fertilizer | 0 | 0 | 0 | 0 | 0 |
| Fish \& Fish Prep. | 0 | 0 | 0 | 0 | 0 |
| Fruits \& Vegetables | 0 | 0 | 0 | 0 | 0 |
| Live Animal | 0 | 0 | 0 | 0 | 0 |
| Logs | 0 | 0 | 0 | 0 | 0 |
| Lumber | 0 | 0 | 0 | 0 | 0 |
| Palay \& Rice | 0 | 0 | 0 | 0 | 0 |
| Sugar | 0 | 0 | 0 | 0 | 0 |
| Transport Equipment | 0 | 0 | 0 | 0 | 0 |
| Wheat | 0 | 0 | 0 | 0 | 0 |
| SUM(Small Vol. Cargos) | -0 | 0 | -0 | 0 | 0 |
| Bottled Cargo | 0 | 0 | 0 | 0 | 0 |
| Dairy Products | 0 | 0 | 0 | 0 | 0 |
| Other Gen. Cargo | 0 | 0 | 0 | 0 | 0 |
| Mach. \& Elect. Equipt. | 0 | 0 | 0 | 0 | 0 |
| Cernent | 0 | 0 | 0 | 0 | 0 |
| Chemicals | 30,939 | 0 | 30,939 | 0 | 0 |
| Crude Minerals | 5,549 | 0 | 5,549 | 0 | 0 |
| Iron \& Steel | 0 | 0 | 0 | 0 | 0 |
| Metaliferous Ores/Scrap | 0 | 0 | 0 | 0 | 0 |
| Mineral Fuel | 6,859 | 0 | 6,859 | 0 | 0 |
| Ref. Petroleum \& Prod. | 4 | 0 | . | 0 | 0 |
| Furniture | 0 | 0 | 0 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 0 | 0 | 0 | 0 | 0 |
| Paper \& Pulp | 0 | 0 | 0 | 0 | 0 |
| Plywood \& Veneer | 0 | 0 | 0 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 0 | 0 | 0 | 0 | 0 |
| Textile \& Garments Prod | 0 | 0 | 0 | 0 | 0 |
| Tobacco \& Manufactures | 0 | 0 | 0 | 0 | 0 |

CARGO STATISTICS BY COMHODITY CLASSIFICATION-BASE PORT AT BERTH

| COMMODITY | INHARD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOU'H | MICT |
| Total | 3,318,702 | 0 | 3,258,861 | 5,792 | 54,049 |
| Abaca | 14,687 | 0 | 14,281 | 406 | 0 |
| Animal Feeds | 117,698 | 0 | 117,485 | 213 | 0 |
| Copra | 38,621 | 0 | 38,621 | 0 | 0 |
| Corn | 455,182 | 0 | 455,182 | 0 | 0 |
| Fertilizer | 2,377 | 0 | 2,377 | 0 | 0 |
| Pish \& Fish Prep | 100,226 | 0 | 96,487 | 608 | 3,131 |
| rruits \& Vegetables | 401,221 | 0 | 392,657 | 199 | 8,365 |
| Live Animal | 135,060 | 0 | 135,060 | 0 | 0 |
| logs | 3,506 | 0 | 3,506 | 0 | 0 |
| Lumber | 60,706 | 0 | 60,688 | 18 | 0 |
| Palay \& Rice | 20,882 | 0 | 20,882 | 0 | 0 |
| Sugar | 227,046 | 0 | 227,046 | 0 | 0 |
| Transport Equipment | 10,103 | 0 | 10,103 | 0 | 0 |
| Wheat | 48,016 | 0 | 48,016 | 0 | 0 |
| SuM(Stall Vol Cargos) | 4,394 | 0 | 4,394 | -0 | 0 |
| Bottled Cargo | 106,001 | 0 | 106,001 | 0 | 0 |
| Dairy Products | 7,283 | 0 | 7,283 | 0 | 0 |
| Other Gen Cargo | 1,169,630 | 0 | 1,148,159 | 2,022 | 19,449 |
| Mach. \& Elect. Equipt. | 10,031 | 0 | 9,982 | 49 | 0 |
| Cement | 21,618 | 0 | 21,618 | 0 | 0 |
| Chemicals | 86,240 | 0 | 85,338 | 574 | 328 |
| Crude Minerals | 46,141 | 0 | 43,679 | 202 | 2260 |
| Iron \& Steel | 23,692 | 0 | 23,692 | 0 | 0 |
| Metaliferous Ores/Scrap | 23,363 | 0 | 23,309 | 54 | 0 |
| Mineral Fuel | 7,343 | 0 | 7,343 | 0 | 0 |
| Ref. Petroleum \& Prod. | 1,163 | 0 | 1,163 | 0 | 0 |
| Furniture | 60,518 | 0 | 53,829 | 1,200 | 5,489 |
| Handieraft | 5,481 | 0 | 0 | 0 | 5,481 |
| Manufactured Metal | 54,584 | 0 | 54,436 | 148 | 0 |
| Paper \& Pulp | 16,279 | 0 | 16,279 | 0 | 0 |
| Plywood \& Veneer | 19,641 | 0 | 16,304 | 36 | 3,301 |
| Rattan | 4,078 | 0 | 0 | 0 | 4,078 |
| Textile Fiber | 10,370 | 0 | 8,203 | 0 | 2,167 |
| Textile \& Garments Prod | 1,773 | 0 | 1,710 | 63 | 0 |
| Tobacco \& Manufactures | 3,749 | 0 | 3,749 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH
DOMESTIC - TOTAL CARGO

| COMMODITY | INWARD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL |  | MANILA | MANILA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOUTH | MICT |
| Total | 6,481,846 | 562,159 | 5,859,802 | 5,792 | 54,093 |
| Abaca | 21,633 | 85 | 21,142 | 406 | 0 |
| Animal Feeds | 159,094 | 6,371 | 152,510 | 213 | 0 |
| Copra | 107,945 | 32,893 | 75,052 | 0 | 0 |
| Corn | 653,839 | 70,634 | 583,205 | 0 | 0 |
| rertilizer | 124,790 | 233 | 124,557 | 0 | 0 |
| Tish \& Fish Prep. | 180,886 | 13,295 | 163,852 | 608 | 3,131 |
| Truits \& Vegetables | 556,976 | 73,920 | 474,492 | 199 | 8,365 |
| Live Animal | 215,333 | 19,825 | 195, 508 | 0 | 0 |
| Logs | 335,368 | 2,616 | 332,752 | 0 | 0 |
| Lumber | 127,330 | 3,758 | 123,554 | 18 | 0 |
| Palay \& Rice | 131,977 | 92,814 | 39,163 | 0 | 0 |
| Sugar | 455,574 | 23 | 455,551 | 0 | 0 |
| Transport Equipment | 207,857 | 186,124 | 21,733 | 0 | 0 |
| Wheat | 72,968 | 69 | 72,899 | 0 | 0 |
| Sum(Small Vol. Cargos) | 119,908 | 20,152 | 119,793 | -0 | -0 |
| Bottled Cargo | 143,422 | 74 | 143,348 | 0 | 0 |
| Dairy Products | 7,971 | 80 | 7,891 | 0 | 0 |
| Other Gen Cargo | 1,468,436 | 38,515 | 1,408,450 | 2,022 | 19,449 |
| Mach. \& Elect.Equipt. | 22,899 | 409 | 22,397 | 49 | 44 |
| Cement | 96,469 | 2,569 | 93,900 | 0 | 0 |
| chemicals | 180,969 | 102 | 189,965 | 574 | 328 |
| Crude Minerals | 86, 883 | 14,169 | 70,252 | 202 | 2,260 |
| Iron \& Steel | 495,563 | 390 | 495,173 | 0 | 0 |
| Metaliferous Ores/Scrap | 40,715 | 1,020 | 39,641 | 54 | 0 |
| Mineral Fuel | 45,157 | 448 | 44,709 | 0 | 0 |
| Ref.Petroleum \& Prod. | 1,665 | 58 | 1,607 | 0 | 0 |
| Furniture | 65,674 | 188 | 58,797 | 1,200 | 5,489 |
| Handicraft | 5,481 | 0 | 0 | 0 | 5,481 |
| Manufactured Metal | 75,721 | 129 | 75,444 | 148 | 0 |
| Paper \& Pulp | 34,594 | 34 | 34,560 | 0 | 0 |
| plywood \& Veneer | 189,670 | 1 | 186,332 | 36 | 3,301 |
| Rattan | 4,078 | 0 | 0 | 0 | 4,078 |
| Textile Fiber | 13,920 | 796 | 10,957 | 0 | 2,167 |
| Textile \& Garments Prod | 13,465 | 32 | 13,370 | 63 | 0 |
| Tobacco \& Manufactures | 7,616 | 370 | 7,246 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH FOREIGN - BREAKBULK


CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH
FOREIGN - BULLK

| COMMODITY | IMPORT |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL <br> 4 HARBORS | BATANGAS | $\begin{aligned} & \text { MANILA } \\ & \text { NORTH } \end{aligned}$ | MANILA SOUTH | MICT |
| Total | 403,323 | 0 | 0 | 403,323 | 0 |
| Abaca | 0 | 0 | 0 | 0 | 0 |
| Animal Feeds | 0 | 0 | 0 | 0 | 0 |
| Copra | 0 | 0 | 0 | 0 | 0 |
| Corn | 0 | 0 | 0 | 0 | 0 |
| Fertilizer | 0 | 0 | 0 | 0 | 0 |
| Pish \& Fish Prep. | 0 | 0 | 0 | 0 | 0 |
| Fruits \& Vegetables | 599 | 0 | 0 | 599 | 0 |
| Live Animal | 0 | 0 | 0 | 0 | 0 |
| Logs | 4,805 | 0 | 0 | 4,805 | 0 |
| Lumber | 0 | 0 | 0 | 0 | 0 |
| Palay \& Rice | 0 | 0 | 0 | 0 | 0 |
| Sugar | 0 | 0 | 0 | 0 | 0 |
| Wheat | 0 | 0 | 0 | 0 | 0 |
| SLM(Small Vol. Cargos) | 5,028 | 0 | 0 | 5,028 | 0 |
| Bottled Cargo | 0 | 0 | 0 | 0 | 0 |
| Dairy Products | 0 | 0 | 0 | 0 | 0 |
| Other Gen. Cargo | 0 | 0 | 0 | 0 | 0 |
| Mach. \& Elect.Equipt. | 0 | 0 | 0 | 0 | 0 |
| Cement | 40,776 | 0 | 0 | 40,776 | 0 |
| chemicals | 0 | 0 | 0 | 0 | 0 |
| Crude Minerals | 221,423 | 0 | 0 | 221,423 | 0 |
| Iron \& Steel | 0 | 0 | 0 | 0 | 0 |
| Metaliferous Ores/Scrap | 25,257 | 0 | 0 | 25,257 | 0 |
| Mineral Fuel | 94,616 | 0 | 0 | 94,616 | 0 |
| Ref.Petroleum \& Prod. | 10,819 | 0 | 0 | 10,819 | 0 |
| Furniture | 0 | 0 | 0 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 0 | 0 | 0 | 0 | 0 |
| Paper \& Pulp | 0 | 0 | 0 | 0 | 0 |
| Plywood \& Veneer | 0 | 0 | 0 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Pextile Fiber | 0 | 0 | 0 | 0 | 0 |
| Textile \& Gaments Prod | 0 | 0 | 0 | 0 | 0 |
| Tobacco \& Manufactures | 0 | 0 | 0 | 0 | 0 |
| Pransport Equipment | 0 | 0 | 0 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH FOREIGN - CONTAINERIZED

| COMMODITY | IMPORT |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 TOTAL | MANILA |  | MANILA |  |
|  |  | BATANGAS | NORTH | SOUTH | MICT |
| Total | 3,204,409 | 0 | 0 | 846,543 2 | 357,866. |
| Abaca | 15,844 | 0 | 0 | 0 | 15,844 |
| Animal Feeds | 23,270 | 0 | 0 | 6,430 | 16,840 |
| Copra | 36 | 0 | 0 | 0 | 36. |
| Corn | 21 | 0 | 0 | 0 | 21. |
| Tertilizer | 1,721 | 0 | 0 | 256 | 1,465 |
| Fish \& Fish Prep. | 18,361 | 0 | 0 | 2,073 | 16,288 |
| rruits \& Vegetables | 109,631 | 0 | 0 | 22,027 | 87,604 |
| live Animal | 539 | 0 | 0 | 539 | - 0 |
| logs | 0 | 0 | 0 | 0 | 0 |
| Cumber | 1,762 | 0 | 0 | 778 | 984 |
| Palay \& Rice | 1,101 | 0 | 0 | 0 | 1,101 |
| Sugar | 13,502 | 0 | 0 | 0 | 13,502 |
| Wheat | 19,261 | 0 | 0 | 1,705 | 17,556 |
| sim(Small Vol. Cargos) | 8,173 | 0 | 0 | 8,114 | 59 |
| Bottled Cargo | 11,002 | 0 | 0 | 7,110 | 3,892 |
| Dairy Products | 81,086 | 0 | 0 | 31,925 | 49,161 |
| Other Gen Cargo | 489,159 | 0 | 0 | 205,564 | 283,595 |
| Mach. \& Elect Equipt. | 595,711 | 0 | 0 | 83,645 | 512,066 |
| Cement | 1,700 | 0 | 0 | 872 | 828 |
| Chemicals | 789,317 | 0 | 0 | 146,057 | 643,260 |
| Crude Minerals | 17,657 | 0 | 0 | 11,225 | 6,432 |
| Iron \& Steel | 85,701 | 0 | 0 | 7,867 | 77,834 |
| Metaliferous Ores/Scrap | 48,861 | 0 | 0 | 6,781 | 42,080 |
| Mineral Fuel | 213 | 0 | 0 | 158 | 55 |
| Ref. Petroleum \& Prod. | 6,284 | 0 | 0 | 2,454 | 3,830 |
| Purniture | 6,452 | 0 | 0 | 2,789 | 3,663 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 151,780 | 0 | 0 | 21,162 | 130,618 |
| Paper \& Pulp | 267,244 | 0 | 0 | 139,794 | 127,450 |
| Plywood \& Veneer | 2,252 | 0 | 0 | 35 | 2,217 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 32,064 | 0 | 0 | 14,756 | 17,308 |
| Textile \& Garments Prod | 351,643 | 0 | 0 | 75,406 | 276,237 |
| Tobacco \& Manufactures | 7,655 | 0 | 0 | 5,747 | 1,908 |
| Pransport Equipment | 45,406 | 0 | 0 | 41,274 | 4,132 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH
FOREIGN - TOTAL CARGO

| COMMODITY | INWARD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 TATARBORS | BATANCAS | MANILA NORTH | MANILA SOUTH | MICT |
|  |  |  |  |  |  |
| Total | 4,826,172 | 51,055 | 0 | 2,411,267 | , 363,850 |
| Abaca | 15,844 | 0 | 0 | - 0 | 15,844 |
| Animal Feeds | 23,330 | 50 | 0 | 6,440 | 16,840 |
| Copra | 36 | 0 | 0 | 0 | 36 |
| Corn | 21 | 0 | 0 | 0 | 21 |
| Fertilizer | 48,340 | 46,600 | 0 | 275 | 1,465 |
| Fish \& Fish Prep. | 139,862 | 0 | 0 | 123,574 | 16,288 |
| rruits \& Vegetables | 120,108 | 0 | 0 | 32,504 | 87,604 |
| live Animal | 105,122 | 4,366 | 0 | 100,756 | 0 |
| Logs | 81,696 | 0 |  | 81,696 | 0 |
| Lunber | 1,933 | 0 | 0 | 949 | 984 |
| Palay \& Rice | 6,484 | 0 | 0 | 5,383 | 1,101 |
| Sugar | 13,502 | 0 | 0 | 0 | 13,502 |
| wheat | 19,262 | 0 | 0 | 1,706 | 17,556 |
| sum(Small Vol. Cargos) | 13,429 | 0 | 0 | 13,370 | 59 |
| Bottled Cargo | 11,017 | 0 | 0 | 7,125 | 3,892 |
| Dairy Products | 81,855 | 0 | 0 | 32,694 | 49,161 |
| Dther Gen Cargo | 504,294 | 19 | 0 | 219,279 | 284,996 |
| Mach. \& Elect. Equipt. | 666,911 | 0 | 0 | 152,561 | 514,350 |
| Cement | 94,039 | 0 | 0 | 93,211 | 828 |
| Chemicals | 815,321 | 0 | 0 | 172,061 | 643,260 |
| Crude Minerals | 244,645 | 0 |  | 238,213 | 6,432 |
| Iron \& Steel | 646,636 | 0 | 0 | 568,802 | 77, 834 |
| Metaliferous Ores/Scrap | 81,156 | 0 | 0 | 39,076 | 42,080 |
| Mineral Puel | 102,285 | 0 | 0 | 102,230 | 55 |
| Ref. Petroleum \& Prod. | 21,682 | 0 | 0 | 17,852 | 3,830 |
| Furniture | 6,452 | 0 | 0 | 2,789 | 3,663 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 163,397 | 0 | 0 | 32,779 | 130,618 |
| Paper \& Pulp | 275,081 | 0 | 0 | 147,631 | 127, 450 |
| Plywood \& Veneer | 2,354 | 0 | 0 | 137 | 2,217 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 33,300 | 0 | 0 | 15,992 | 17,308 |
| Textile \& Garments Prod | 362,990 | 0 | 0 | 86,753 | 276,237 |
| Pobaceo \& Manufactures | 7,730 | 18 | 0 | 5,804 | 1,908 |
| Transport Equipment | 116,058 | 2 | 0 | 109,625 | 6,431 |

CARGO STATISTICS BY COMHODITY CLASSIFICATION-BASE PORT AT BERTH DOMESTIC - BREAKBULK

| COMMODITY | OUTWARD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL | BATNGGAS | MANILA | MMNILA | MICT |
| Total | 1,288,543 | 381,416 | 907,127 | 0 | 0 |
| Abaca | 205 | 2 | 203 | 0 | 0 |
| Animal Feeds | 18,420 | 9,484 | 8,936 | 0 | 0 |
| Copra | 440 | 43 | 397 | 0 | 0 |
| Corn | 2,663 | 336 | 2,327 | 0 | 0 |
| Fertilizer | 22,637 | 19,509 | 3,128 | 0 | 0 |
| Fish \& Fish Prep. | 1,944 | 357 | 1,587 | 0 | 0 |
| Pruits \& Vegetables | 21,956 | 2,466 | 19,490 | 0 | 0 |
| Live Animal | 2,251 | 765 | 1,486 | 0 | 0 |
| Logs | 6,116 | 145 | 5,971 | 0 | 0 |
| Lumber | 1,600 | 542 | 1,058 | 0 | 0 |
| Palay \& Rice | 69,977 | 4,991 | 64,986 | 0 | 0 |
| Sugar | 15,727 | 7,235 | 8,492 | 0 | 0 |
| Transport Equipment | 227,746 | 186,336 | 41,410 | 0 | 0 |
| Wheat | 14,984 | 8,252 | 6,732 | 0 | 0 |
| SUM(Small Vol Cargos) | 5,174 | 1,586 | 3,588 | 0 | 0 |
| Bottled Cargo | 146,892 | 41,916 | 104,976 | 0 | 0 |
| Pairy Products | 4,985 | 1,481 | 3,504 | 0 | 0 |
| Dther Gen. Cargo | 378,201 | 49,864 | 328,337 | 0 | 0 |
| Mach. \& Elect Equipt. | 24,109 | 1,317 | 22,792 | 0 | 0 |
| Cement | 40,695 | 32,015 | 8,680 | 0 | 0 |
| Chemicals | 44,273 | 1,059 | 43,214 | 0 | 0 |
| Crude Minerals | 7,288 | 648 | 6,640 | 0 | 0 |
| Iron \& Steel | 123,607 | 2,223 | 121,384 | 0 | 0 |
| Metaliferous Ores/Scrap | 5,837 | 415 | 5,422 | 0 | 0 |
| Mineral Fuel | 2,780 | 2,122 | 658 | 0 | 0 |
| Ref. Petroleum \& Prod. | 9,091 | 2,206 | 6,885 | 0 | 0 |
| Furniture | 5,641 | 895 | 4,746 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 36,897 | 604 | 36,293 | 0 | 0 |
| Paper \& Pulp | 19,122 | 41 | 19,081 | 0 | 0 |
| Plywood \& Veneer | 5,827 | 1,144 | 4,683 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 3,141 | 45 | 3,096 | 0 | 0 |
| Textile \& Garments Prod | 5,119 | 223 | 4,896 | 0 | 0 |
| Tobacco \& Manufactures | 13,200 | 1,149 | 12,051 | 0 | 0 |

CARGO STATISTICS BY COMMODI'TY CLASSIFICATION-BASE PORT AT BERTH
DOMESTIC - BULK

| COMMODITY | OUTWARD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { TOTAL } \\ & 4 \text { HARBORS } \end{aligned}$ |  | MANLLA NORTH | MANILA SOUTH | MICT |
| Total | 250 | 0 | 250 | 0 | 0 |
| Abaca | 0 | 0 | 0 | 0 | 0 |
| Animal Feeds | 0 | 0 | 0 | 0 | 0 |
| Copra | 0 | 0 | 0 | 0 | 0 |
| Corn | 0 | 0 | 0 | 0 | 0 |
| Fertilizer | 0 | 0 | 0 | 0 | 0 |
| Fish \& Fish Prep. | 0 | 0 | 0 | 0 | 0 |
| Rruits \& Vegetables | 0 | 0 | 0 | 0 | 0 |
| Live Animal | 0 | 0 | 0 | 0 | 0 |
| logs | 0 | 0 | 0 | 0 | 0 |
| Lumber | 0 | 0 | 0 | 0 | 0 |
| Palay \& Rice | 0 | 0 | 0 | 0 | 0 |
| Sugar | 0 | 0 | 0 | 0 | 0 |
| Transport Equipment | 0 | 0 | 0 | 0 | 0 |
| Wheat | 0 | 0 | 0 | 0 | 0 |
| Sim(Small Vol. Cargos) | 0 | 0 | 0 | 0 | 0 |
| Bottled Cargo | 0 | 0 | 0 | 0 | 0 |
| Dairy Products | 0 | 0 | 0 | 0 | 0 |
| Other Gen Cargo | 250 | 0 | 250 | 0 | 0 |
| Mach. \& Elect. Equipt. | 0 | 0 | 0 | 0 | 0 |
| Cement | 0 | 0 | 0 | 0 | 0 |
| Chemicals | 0 | 0 | 0 | 0 | 0 |
| Crude Minerals | 0 | 0 | 0 | 0 | 0 |
| Iron \& Steel | 0 | 0 | 0 | 0 | 0 |
| Metaliferous Ores/Scrap | 0 | 0 | 0 | 0 | 0 |
| Mineral Fuel | 0 | 0 | 0 | 0 | 0 |
| Ref. Petroleum \& Prod. | 0 | 0 | 0 | 0 | 0 |
| Purniture | 0 | 0 | 0 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 0 | 0 | 0 | 0 | 0 |
| Paper \& Pulp | 0 | 0 | 0 | 0 | 0 |
| Plywood \& Veneer | 0 | 0 | 0 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 0 | 0 | 0 | 0 | 0 |
| Textile \& Garments Prod | 0 | 0 | 0 | 0 | 0 |
| Tobacco \& Manufactures | 0 | 0 | 0 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASB PORT AT BERTH DOMESTIC - CONTAINERIZED

| COMMODI'Y | OUTWARD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL <br> 4 HARBORS | BATANGAS | MANILA NORTH | MANIIA SOUTH | MICT |
| total | 3,692,912 | 0 | 3,692,266 | 0 | 646 |
| Abaca | 385 | 0 | 385 | 0 | 0 |
| Animal Feeds | 73,515 | 0 | 73,515 | 0 | 0 |
| Copra | 989 | 0 | 989 | 0 | 0 |
| Corn | 10,567 | 0 | 10,567 | 0 | 0 |
| Fertilizer | 1,293 | 0 | 1,293 | 0 | 0 |
| Fish \& Fish Prep. | 4,318 | 0 | 4,318 | 0 | 0 |
| ruits \& Vegetables | 25,365 | 0 | 25,365 | 0 | 0 |
| Live Animal | 3,040 | 0 | 3,040 | 0 | 0 |
| Logs | 238 | 0 | 238 | 0 | 0 |
| Lumber | 2,102 | 0 | 2,102 | 0 | 0 |
| Palay \& Rice | 22,757 | 0 | 22,757 | 0 | 0 |
| Sugar | 9,791 | 0 | 9,791 | 0 | 0 |
| Transport Equipment | 18,431 | 0 | 18,431 | 0 | 0 |
| Wheat | 43,250 | 0 | 43,250 | 0 | 0 |
| Sum(Smal Vol. Cargos) | 13,388 | 0 | 13,388 | 0 | 0 |
| Bottled Cargo | 428,334 | 0 | 428,334 | 0 | 0 |
| Dairy Products | 134,914 | 0 | 134,914 | 0 | 0 |
| Other Gen.Cargo | 2,048,062 | 0 | 2,048,062 | 0 | 0 |
| Mach. \& Elect.Equipt. | 67,037 | 0 | 66,391 | 0 | 646 |
| Cement | 15,944 | 0 | 15,944 | 0 | 0 |
| Chemicals | 159,605 | 0 | 159,605 | 0 | 0 |
| Crude Minerals | 19,237 | 0 | 19,237 | 0 | 0 |
| Iron \& Steel | 27,961 | 0 | 27,961 | 0 | 0 |
| Metaliferous Ores/Scrap | 20,845 | 0 | 20,845 | 0 | 0 |
| Mineral Fuel | 4,795 | 0 | 4,795 | 0 | 0 |
| Ref. Petroleun \& Prod. | 71,603 | 0 | 71,603 | 0 | 0 |
| rurniture | 16,215 | 0 | 16,215 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 252,836 | 0 | 252,836 | 0 | 0 |
| Paper \& Pulp | 81,016 | 0 | 81,016 | 0 | 0 |
| Plywood \& Veneer | 4,710 | 0 | 4,710 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 8,944 | 0 | 8,944 | 0 | 0 |
| Textile \& Garments Prod | 12,673 | 0 | 12,673 | 0 | 0 |
| Tobacco \& Manufactures | 88,752 | 0 | 88,752 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH

| DOMESTIC - TOTAL CARGO |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COMMODITY | OUTWARD |  |  |  |  |
|  | TOTAL <br> 4 HAPBORS | batangas | MANILA NORTH | MANILA | ITT |
| Total | 4,981,705 | 381,416 | 4,599,643 | 0 | 646 |
| Abaca | 590 | 2 | 588 | 0 | 0 |
| Animal Feeds | 91,935 | 9,484 | 82,451 | 0 | 0 |
| Copra | 1,429 | 43 | 1,386 | 0 | 0 |
| Corn | 13,230 | 336 | 12,894 | 0 | 0 |
| Fertilizer | 23,930 | 19,509 | 4,421 | 0 | 0 |
| Fish \& Fish Prep. | 6,262 | 357 | 5,905 | 0 | 0 |
| Fruits \& Vegetables | 47,321 | 2,466 | 44,855 | 0 | 0 |
| Live Animal | 5,291 | 765 | 4,526 | 0 | 0 |
| Logs | 6,354 | 145 | 6,209 | 0 | 0 |
| Lumber | 3,702 | 542 | 3,160 | 0 | 0 |
| Palay \& Rice | 92,734 | 4,991 | 87,743 | 0 | 0 |
| Sugar | 25,518 | 7,235 | 18,283 | 0 | 0 |
| Transport Equipment | 246,177 | 186,336 | 59,841 | 0 | 0 |
| Wheat | 58,234 | 8,252 | 49,982 | 0 | 0 |
| SUM(Small Vol. Cargos) | 18,562 | 1,586 | 16,976 | 0 | 0 |
| Bottled Cargo | 575,226 | 41,916 | 533,310 | 0 | 0 |
| Dairy Products | 139,899 | 1,481 | 138,418 | 0 | 0 |
| Other Gen Cargo | 2,426,513 | 49,864 | 2,376,649 | 0 | 0 |
| Mach \& Elect Equipt. | 91,146 | 1,317 | 89,183 | 0 | 646 |
| Cement | 56,639 | 32,015 | 24,624 | 0 | 0 |
| Chemicals | 203,878 | 1,059 | 202,819 | 0 | 0 |
| Crude Minerals | 26,525 | 648 | 25,877 | 0 | 0 |
| Iron \& Steel | 151,568 | 2,223 | 143,345 | 0 | 0 |
| Metaliferous Ores/Scrap | 26,682 | 415 | 26,267 | 0 | 0 |
| Mineral Fuel | 7,575 | 2,122 | 5,453 | 0 | 0 |
| Ref Petroleum \& Prod. | 80,694 | 2,206 | 78,488 | 0 | 0 |
| rurniture | 21,856 | 895 | 20,961 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 289,733 | 604 | 289,129 | 0 | 0 |
| Paper \& Pulp | 100,138 | 41 | 100,097 | 0 | 0 |
| plywood \& Veneer | 10,537 | 1,144 | 9,393 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 12,085 | 45 | 12,040 | 0 | 0 |
| Textile \& Garments Prod | 17,792 | 223 | 17,569 | 0 | 0 |
| Tobacco \& Manufactures | 101,952 | 1,149 | 100,803 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASB PORT AT BERTH FOREIGN - BREAKBULK


CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH
FOREIGN -- BULK

| COMMODITY | EXPORT |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL |  | MANILA | MANILA SOUTH |  |
|  | 4 HARBORS | BATANGAS | NORTH |  | MICT |
| Total | 4,416 | 0 | 0 | 4,416 | 0 |
| Abaca | 0 | 0 | 0 | 0 | 0 |
| Animal Feeds | 0 | 0 | 0 | 0 | 0 |
| Copra | 0 | 0 | 0 | 0 | 0 |
| Corn | 0 | 0 | 0 | 0 | 0 |
| Fertilizer | 0 | 0 | 0 | 0 | 0 |
| Fish \& Fish Prep. | 0 | 0 | 0 | 0 | 0 |
| ruits \& Vegetables | 0 | 0 | 0 | 0 | 0 |
| live Animal | 0 | 0 | 0 | 0 | 0 |
| Hogs | 3,660 | 0 | 0 | 3,660 | 0 |
| Lumber | 0 | 0 | 0 | 0 | 0 |
| Palay \& Rice | 0 | 0 | 0 | 0 | 0 |
| Sugar | 0 | 0 | 0 | 0 | 0 |
| Wheat | 0 | 0 | 0 | 0 | 0 |
| Sum(Small Vol. Cargos) | 0 | 0 | 0 | 0 | 0 |
| Bottled Cargo | 0 | 0 | 0 | 0 | 0 |
| Dairy Products | 0 | 0 | 0 | 0 | 0 |
| Other Gen.Cargo | 0 | 0 | 0 | 0 | 0 |
| Mach \& Elect Equipt. | 0 | 0 | 0 | 0 | 0 |
| Cement | 0 | 0 | 0 | 0 | 0 |
| Chemicals | 0 | 0 | 0 | 0 | 0 |
| Crude Minerals | 756 | 0 | 0 | 756 | 0 |
| Iron \& Steel | 0 | 0 | 0 | 0 | 0 |
| Metaliferous Ores/Scrap | 0 | 0 | 0 | - | 0 |
| Mineral Fuel | 0 | 0 | 0 | 0 | 0 |
| Ref. Petroleum \& Prod. | 0 | 0 | 0 | 0 | 0 |
| Furniture | 0 | 0 | 0 | 0 | 0 |
| Handicraft | 0 | 0 | 0 | 0 | 0 |
| Manufactured Metal | 0 | 0 | 0 | 0 | 0 |
| Paper \& Pulp | 0 | 0 | 0 | 0 | 0 |
| Plywood \& Veneer | 0 | 0 | 0 | 0 | 0 |
| Rattan | 0 | 0 | 0 | 0 | 0 |
| Textile Fiber | 0 | 0 | 0 | 0 | 0 |
| Textile \& Garments Prod | 0 | 0 | 0 | 0 | 0 |
| Tobacco \& Manufactures | 0 | 0 | 0 | 0 | 0 |
| Transport Equipment | 0 | 0 | 0 | 0 | 0 |

CARGO STATISTICS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH FOREIGN - CONTAINFRIZED

| COMSODITY | EXPORT |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL |  | MANILA | MANITA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOUTH | MICT |
| Total | 1,797,344 | 0 | 0 | 272,670 | ,524,674 |
| Abaca | 29,875 | 0 | 0 | 8,071 | 21,804 |
| Animal Feeds | 3,885 | 0 | 0 | 3,782 | 103 |
| Copra | 37 | 0 | 0 | 37 | 0 |
| Corn | 0 | 0 | 0 | 0 | 0 |
| Fertilizer | 0 | 0 | 0 | 0 | 0 |
| Tish \& Fish Prep. | 112,004 | 0 | 0 | 20, 175 | 91,829 |
| Truits \& Vegetables | 167,098 | 0 | 0 | 17,370 | 149,728 |
| Live Animal | 0 | 0 | 0 | 0 | 0 |
| Logs | 295 | 0 | 0 | 0 | 295 |
| Lumber | 6,846 | 0 | 0 | 1,062 | 5,784 |
| Palay \& Rice | 911 | 0 | 0 | 0 | 911 |
| Sugar | 20 | 0 | 0 | 0 | 20 |
| Wheat | 0 | 0 | 0 | 0 | 0 |
| SUM(Small Vol. Cargos) | 35,836 | 0 | 0 | 950 | 34,886 |
| Bottled Cargo | 11,298 | 0 | 0 | 6,164 | 5,134 |
| Dairy Products | 3,514 | 0 | 0 | 2,920 | 594 |
| Other Gen.Cargo | 272,973 | 0 | 0 | 113,108 | 159,865 |
| Hach. \& Blect Equipt. | 30,838 | 0 | 0 | 7,898 | 22,940 |
| Cement | 2,837 | 0 | 0 | 2,798 | 39 |
| chemicals | 39,008 | 0 | 0 | 17,678 | 21,330 |
| Crude Minerals | 65,597 | 0 | 0 | 16,448 | 49,149 |
| Iron \& Steel | 8,120 | 0 | 0 | 912 | 7,208 |
| Metaliferous Ores/Scrap | 13,124 | 0 | 0 | 3,308 | 9,816 |
| Mineral Fuel | 3,609 | 0 | 0 | 3,171 | 438 |
| Ref. Petroleum \& Prod. | 1,539 | 0 | 0 | 1,400 | 139 |
| Purniture | 275,274 | 0 | 0 | 12,999 | 262,275 |
| Handicraft | 261,293 | 0 | 0 | 0 | 261,293 |
| Manufactured Metal | 26,943 | 0 | 0 | 1,775 | 25,168 |
| Paper \& Pulp | 4,261 | 0 | 0 | 2,369 | 1,892 |
| Plywood \& Veneer | 29,308 | 0 | 0 | 1,452 | 27,856 |
| Rattan | 1,972 | 0 | 0 | 0 | 1,972 |
| Textile Fiber | 2,013 | 0 | 0 | 1,517 | 496 |
| Textile \& Garments Prod | 366789 | 0 | 0 | 17,864 | 348,925 |
| Tobacco \& Manufactures | 18,128 | 0 | 0 | 5,541 | 12,587 |
| Transport Equipnent | 2,097 | 0 | 0 | 1,901 | 196 |

CARGO STATISTYCS BY COMMODITY CLASSIFICATION-BASE PORT AT BERTH

| FOREIGN - TOTAL CARGO |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COMMODITY | OUTWARD |  |  |  |  |
|  | TOTAL, |  | MANLLA | MANILA |  |
|  | 4 HARBORS | BATANGAS | NORTH | SOUTH | MICT |
| Total | 1,883,486 | 4,972 | 0 | 353,840 | 524,674 |
| Abaca | 29,875 | 0 | 0 | 8,071 | 21,804 |
| Animal Feeds | 3,885 | 0 | 0 | 3,782 | 103 |
| Copra | 37 | 0 | 0 | 37 | 0 |
| Corn | 0 | 0 | 0 | 0 | 0 |
| Fertilizer | 0 | 0 | 0 | 0 | 0 |
| Fish \& Fish Prep. | 112,004 | 0 | 0 | 20,175 | 91,829 |
| ruits \& Vegetables | 167,481 | 0 | 0 | 17,753 | 149,728 |
| Live Animal | 2 | 0 | 0 | 2 | 0 |
| Logs | 3,955 | 0 | 0 | 3,660 | 295 |
| Lumber | 6,846 | 0 | 0 | 1,062 | 5,784 |
| Palay \& Rice | 10,911 | 0 | 0 | 10,000 | 911 |
| Sugar | 20 | 0 | 0 | 0 | 20 |
| wheat | 0 | 0 | 0 | 0 | 0 |
| SUM(Small Vol. Cargos) | 36,152 | 6 | 0 | 1,260 | 34,886 |
| Bottled Cargo | 11,965 | 0 | 0 | 6,831 | 5,134 |
| Dairy Products | 3,514 | 0 | 0 | 2,920 | 594 |
| Other Gen.Cargo | 294,250 | 0 | 0 | 134,385 | 159,865 |
| Mach. \& Elect Equipt. | 30,912 | 0 | 0 | 7,972 | 22,940 |
| Cement | 2,839 | 0 | 0 | 2,800 | 39 |
| Chemicals | 39,290 | 0 | 0 | 17,960 | 21,330 |
| Crude Minerals | 69,828 | 0 | 0 | 20,679 | 49,149 |
| Iron \& Steel | 43,024 | 0 | 0 | 35, 816 | 7,208 |
| Metaliferous Ores/Scrap | 13,921 | 0 | 0 | 4,105 | 9,816 |
| Mineral Fuel | 3,609 | 0 | 0 | 3,171 | 438 |
| Ref.Petroleum \& Prod. | 1,850 | 0 | 0 | 1,711 | 139 |
| Furniture | 275,274 | 0 | 0 | 12,399 | 262,275 |
| Handicraft | 261,293 | 0 | 0 | 0 | 261,293 |
| Manufactured Metal | 31,577 | 967 | 0 | 5,442 | 25,168 |
| Paper \& Pulp | 4,270 | 0 | 0 | 2,378 | 1,892 |
| Plywood \& Veneer | 29,308 | 0 | 0 | 1,452 | 27,856 |
| Rattan | 1,972 | 0 | 0 | 0 | 1,972 |
| Textile Fiber | 2,013 | 0 | 0 | 1,517 | 496 |
| Pextile \& Garments Prod | 366,792 | 0 | 0 | 17,867 | 348,925 |
| Tobacco \& Manufactures | 22,718 | 3,999 | 0 | 6,132 | 12,587 |
| Transport Equipment | 2,097 | 0 | 0 | 1,901 | 196 |

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