

**SMALL ISLAND GRID POWER PLANTS / POWER BARGES OPERATIONAL REPORT FOR MINI GRIDS AND TRANSFERRED AREAS**

As of July 25, 2009

| Grid No. | ISLAND /PLANT/BARGE<br>(Operating Hours)<br>(Electric Coop.)   | GENSETS PARTICULARS |                   |                    |                   | ACCUM.<br>RUNNING<br>HOURS | SYSTEM DEMAND<br>(MW) |              |              | NET<br>RESERVE/<br>(DEFICIENCY) | MAXIMUM<br>SYTEM<br>DEMAND (2009) | COMM'SNG<br>DATE | REMARKS<br>(Date Reported) |                 |
|----------|--|---------------------|-------------------|--------------------|-------------------|----------------------------|-----------------------|--------------|--------------|---------------------------------|-----------------------------------|------------------|----------------------------|-----------------|
|          |  | UNIT<br>NO.         | MAKE              | RATED<br>CAP. (MW) | DEP.<br>CAP. (MW) |                            | MAX                   | MIN          | AVE          |                                 |                                   |                  |                            |                 |
| 1        | A. MARINDUQUE/QUEZON/<br>NORTHERN LUZON AREA:<br>1. MANIWAYA DPP, Marinduque<br>(6)<br>(Marelco)<br>Start of commercial oper Nov. 15, 2008 | 1                   | PERKINS           | 0.054              | -                 | 12,809.84                  |                       |              |              |                                 |                                   | 01-Nov-08        | NOT OPERATIONAL            |                 |
|          |  | 2                   | PERKINS           | 0.050              | 0.048             | 268.40                     |                       |              |              |                                 |                                   | 25-Jun-09        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.104</b>       | <b>0.048</b>      |                            |                       | <b>0.022</b> | <b>0.006</b> | <b>0.014</b>                    | <b>0.026</b>                      | <b>0.020</b>     |                            | (Jul. 25, 2009) |
| 2        | 2. MONGPONG DPP, Marinduque<br>(6)<br>(Marelco)<br>Start of commercial oper Nov. 5, 2008   | 1                   | PERKINS           | 0.054              | 0.050             | 12,885.05                  |                       |              |              |                                 |                                   | 01-Nov-08        | OPERATIONAL                |                 |
|          |  | 2                   | PERKINS           | 0.050              | 0.048             | 160.38                     |                       |              |              |                                 |                                   | 25-Jun-09        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.104</b>       | <b>0.098</b>      |                            |                       | <b>0.017</b> | <b>0.007</b> | <b>0.014</b>                    | <b>0.081</b>                      | <b>0.019</b>     |                            | (Jul. 25, 2009) |
| 3        | 3. POLO DPP, Marinduque<br>(6)<br>(Marelco)<br>Start of commercial oper Nov. 5, 2008   | 1                   | PERKINS           | 0.042              | -                 | 1,206.33                   |                       |              |              |                                 |                                   | 01-Nov-08        | NOT OPERATIONAL            |                 |
|          |  | 2                   | PERKINS           | 0.050              | 0.048             | 166.44                     |                       |              |              |                                 |                                   | 25-Jun-09        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.092</b>       | <b>0.048</b>      |                            |                       | <b>0.015</b> | <b>0.005</b> | <b>0.010</b>                    | <b>0.033</b>                      | <b>0.015</b>     |                            | (Jul. 25, 2009) |
| 4        | B. CATANDUANES/MASBATE AREA<br>4. GINAWAYAN DPP, Masbate<br>(6)<br>(NPC)   | 1                   | FG WILSON         | 0.035              | 0.035             | 4,970.22                   |                       |              |              |                                 |                                   | 01-May-07        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.035</b>       | <b>0.035</b>      |                            |                       | <b>0.013</b> | <b>0.005</b> | <b>0.011</b>                    | <b>0.022</b>                      | <b>0.013</b>     |                            | (Jul. 25, 2009) |
|          |  | <b>Sub-total</b>    |                   | <b>0.090</b>       | <b>0.090</b>      |                            |                       | <b>0.045</b> | <b>0.024</b> | <b>0.033</b>                    | <b>0.045</b>                      | <b>0.055</b>     |                            | (Jul. 25, 2009) |
| 5        | 5. GILOTONGAN DPP, Masbate<br>(6)<br>(NPC)   | 1                   | FG WILSON         | 0.090              | 0.090             | 4,973.71                   |                       |              |              |                                 |                                   | 01-May-07        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.090</b>       | <b>0.090</b>      |                            |                       | <b>0.045</b> | <b>0.024</b> | <b>0.033</b>                    | <b>0.045</b>                      | <b>0.055</b>     |                            | (Jul. 25, 2009) |
|          |  | <b>Sub-total</b>    |                   | <b>0.025</b>       | <b>0.025</b>      |                            |                       | <b>0.007</b> | <b>0.002</b> | <b>0.004</b>                    | <b>0.018</b>                      | <b>0.006</b>     |                            | (Jul. 25, 2009) |
| 6        | 6. NABUCTOT DPP, Masbate<br>(6)<br>(NPC)   | 1                   | FG WILSON         | 0.025              | 0.025             | 4,215.34                   |                       |              |              |                                 |                                   | 01-May-07        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.025</b>       | <b>0.025</b>      |                            |                       | <b>0.007</b> | <b>0.002</b> | <b>0.004</b>                    | <b>0.018</b>                      | <b>0.006</b>     |                            | (Jul. 25, 2009) |
|          |  | <b>Sub-total</b>    |                   | <b>0.090</b>       | <b>0.090</b>      |                            |                       | <b>0.025</b> | <b>0.060</b> | <b>0.024</b>                    | <b>0.065</b>                      | <b>0.035</b>     |                            | (Jul. 25, 2009) |
| 7        | 7. PENA DPP, Masbate<br>(6)<br>(NPC)   | 1                   | FG WILSON         | 0.090              | 0.090             | 4,494.01                   |                       |              |              |                                 |                                   | 01-May-07        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.090</b>       | <b>0.090</b>      |                            |                       | <b>0.025</b> | <b>0.060</b> | <b>0.024</b>                    | <b>0.065</b>                      | <b>0.035</b>     |                            | (Jul. 25, 2009) |
|          |  | <b>Sub-total</b>    |                   | <b>0.035</b>       | <b>0.035</b>      |                            |                       | <b>0.019</b> | <b>0.010</b> | <b>0.014</b>                    | <b>0.016</b>                      | <b>0.018</b>     |                            | (Jul. 25, 2009) |
| 8        | 8. CHICO DPP, Masbate<br>(6)<br>(NPC)  | 1                   | FG WILSON         | 0.035              | 0.035             | 4,824.86                   |                       |              |              |                                 |                                   | 01-May-07        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.035</b>       | <b>0.035</b>      |                            |                       | <b>0.019</b> | <b>0.010</b> | <b>0.014</b>                    | <b>0.016</b>                      | <b>0.018</b>     |                            | (Jul. 25, 2009) |
|          |  | <b>Sub-total</b>    |                   | <b>0.120</b>       | <b>0.096</b>      |                            |                       | <b>0.025</b> | <b>0.009</b> | <b>0.021</b>                    | <b>0.071</b>                      | <b>0.025</b>     |                            | (Jul. 25, 2009) |
| 9        | 9. LAHUY DPP, CAM. SUR<br>(4)<br>(NPC)   | 1                   | CUMMINS           | 0.120              | 0.096             | 392.00                     |                       |              |              |                                 |                                   | 06-Apr-09        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.120</b>       | <b>0.096</b>      |                            |                       | <b>0.025</b> | <b>0.009</b> | <b>0.021</b>                    | <b>0.071</b>                      | <b>0.025</b>     |                            | (Jul. 25, 2009) |
|          |  | <b>Sub-total</b>    |                   | <b>0.256</b>       | <b>0.200</b>      |                            |                       | <b>0.176</b> | <b>0.057</b> | <b>0.115</b>                    | <b>0.024</b>                      | <b>0.171</b>     |                            | (Jul. 25, 2009) |
| 10       | C. PALAWAN AREA<br>10. RIZAL DPP<br>(6)<br>(Paleco)  | 1                   | DALE-PERKINS      | -                  | -                 |                            |                       |              |              |                                 |                                   | 15-Feb-04        | NOT OPERATIONAL            |                 |
|          |  | 2                   | JOHN DEERE-CUMPER | 0.256              | 0.200             | 24,817                     |                       |              |              |                                 |                                   | 17-Dec-07        | OPERATIONAL                |                 |
|          |  | <b>Sub-total</b>    |                   | <b>0.256</b>       | <b>0.200</b>      |                            |                       | <b>0.176</b> | <b>0.057</b> | <b>0.115</b>                    | <b>0.024</b>                      | <b>0.171</b>     |                            | (Jul. 25, 2009) |

| Grid No. | ISLAND /PLANT/BARGE<br>(Operating Hours)<br>(Electric Coop.)   | GENSETS PARTICULARS |              |           |           | ACCUM.<br>RUNNING<br>HOURS | SYSTEM DEMAND<br>(MW) |        |       | NET<br>RESERVE/<br>(DEFICIENCY) | MAXIMUM<br>SYTEM<br>DEMAND (2009) | COMM'SNG<br>DATE  | REMARKS<br>(Date Reported) |
|----------|--|---------------------|--------------|-----------|-----------|----------------------------|-----------------------|--------|-------|---------------------------------|-----------------------------------|---|----------------------------|
|          |  | UNIT<br>NO.         | MAKE         | RATED     | DEP.      |                            | MAX                   | MIN    | AVE   |                                 |                                   |   |                            |
|          |  |                     |              | CAP. (MW) | CAP. (MW) |                            |                       |        |       |                                 |                                   |   |                            |
| 11       | D. MINDORO/ROMBLON AREA:<br>11. PALUAN DPP, Occ. Mindoro<br>(8)<br>(LGU)                               | 1                   | YANMAR       | 0.400     | 0.300     | 54.00                      |                       |        |       |                                 |                                   | 27-Oct-08 OPERATIONAL<br>27-Oct-08 NOT OPERATIONAL<br>(Jul. 25, 2009) |                            |
|          |  | 2                   | YANMAR       | 0.400     | -         | 314.24                     |                       |        |       |                                 |                                   |   |                            |
|          |  | Sub-total           |              | 0.800     | 0.300     |                            | 180.000               | 75.000 | 0.178 | (179.700)                       | 0.250                             |   |                            |
| 12       | E. VISAYAS AREA:<br>12. COSTA RICA DPP, ALMAGRO<br>(6)<br>(NPC)  | 1                   | DALE-PERKINS | 0.040     | 0.040     | 7,016.52                   |                       |        |       |                                 |                                   | 01-Dec-05 OPERATIONAL<br>(Jul. 25, 2009)                              |                            |
|          |  | Sub-total           |              | 0.040     | 0.040     |                            | 0.015                 | 0.008  | 0.010 | 0.025                           | 0.020                             |   |                            |
| 13       | 13. LUNANG DPP, ALMAGRO<br>(6)<br>(NPC)  | 1                   | DALE-PERKINS | 0.060     | 0.060     | 6,952.77                   |                       |        |       |                                 |                                   | 01-Dec-05 OPERATIONAL<br>(Jul. 25, 2009)                              |                            |
|          |  | Sub-total           |              | 0.060     | 0.060     |                            | 0.015                 | 0.008  | 0.010 | 0.045                           | 0.017                             |   |                            |
| 14       | 14. BIASONG DPP, ALMAGRO<br>(6)<br>(NPC)   | 1                   | DALE-PERKINS | 0.060     | 0.060     | 6,996.04                   |                       |        |       |                                 |                                   | 01-Dec-05 OPERATIONAL<br>(Jul. 25, 2009)                              |                            |
|          |  | Sub-total           |              | 0.060     | 0.060     |                            | 0.009                 | 0.006  | 0.004 | 0.051                           | 0.011                             |   |                            |
| 15       | 15. CABUNGAAN DPP, STO. NINO, W. S.<br>(6)<br>(NPC)  | 1                   | DALE-PERKINS | 0.040     | 0.040     | 7,045.55                   |                       |        |       |                                 |                                   | 01-Dec-05 OPERATIONAL<br>(Jul. 25, 2009)                              |                            |
|          |  | Sub-total           |              | 0.040     | 0.040     |                            | 0.017                 | 0.002  | 0.010 | 0.023                           | 0.020                             |   |                            |
| 16       | 16. ILIJAN DPP, STO. NINO<br>(6)<br>(NPC)  | 1                   | DALE-PERKINS | 0.040     | 0.040     | 7,001.07                   |                       |        |       |                                 |                                   | 01-Dec-05 OPERATIONAL<br>(Jul. 25, 2009)                              |                            |
|          |  | Sub-total           |              | 0.040     | 0.040     |                            | 0.011                 | 0.002  | 0.007 | 0.029                           | 0.012                             |   |                            |
| 17       | 17. TAKUT DPP, STO. NINO<br>(6)<br>(NPC)   | 1                   | DALE-PERKINS | 0.100     | 0.100     | 7,046.93                   |                       |        |       |                                 |                                   | 01-Dec-05 OPERATIONAL<br>(Jul. 25, 2009)                              |                            |
|          |  | Sub-total           |              | 0.100     | 0.100     |                            | 0.040                 | 0.006  | 0.027 | 0.060                           | 0.046                             |   |                            |
| 18       | F. MINDANAO AREA:<br>18. SACOL DPP, Zamboanga<br>(6)<br>Commercial oper of SPUG 09/17/08<br>(ZAMCELCO) | 1                   | CUMMINS      | 0.163     | 0.160     | 1,580.59                   |                       |        |       |                                 |                                   | 06-Sep-08 OPERATIONAL<br>(Jul. 25, 2009)                              |                            |
|          |  | Sub-total           |              | 0.163     | 0.160     |                            | 0.058                 | 0.036  | 0.040 | 0.102                           | 0.055                             |   |                            |
| 19       | 19. PALIMBANG DPP, Sultan Kudarat<br>6 hrs operation<br>(Sukelco)                                      | 1                   | DALE-PERKINS | 0.054     | 0.054     | 12,286.21                  |                       |        |       |                                 |                                   | 01-Dec-08 OPERATIONAL<br>(Jul. 25, 2009)                              |                            |
|          |  | Sub-total           |              | 0.054     | 0.054     |                            | -                     | -      | -     | 0.054                           | 0.049                             |   |                            |

**S U M M A R Y (MINI-GRIDS AND TRANSFERRED AREAS)**

| SMALL ISLAND GRIDS       | PLANTS       |              | CAPACITY (MW) |                | SYSTEM DEMAND |              |                  | NET RESERVE |
|--------------------------|--------------|--------------|---------------|----------------|---------------|--------------|------------------|-------------|
|                          | INSTALLED ** | RATED        | DEP.          | MAX            | MIN           | AVE          | (DEFICIENCY)     |             |
| TOTAL LUZON              | 11           | 1.752        | 1.065         | 180.364        | 75.185        | 0.439        | (179.299)        |             |
| Land-Based               | 11           | 1.752        | 1.065         |                |               |              |                  |             |
| Power Barge              | 0            | -            | -             |                |               |              |                  |             |
| TOTAL VISAYAS            | 6            | 0.340        | 0.340         | 0.107          | 0.032         | 0.068        | 0.233            |             |
| Land-Based               | 6            | 0.340        | 0.340         |                |               |              |                  |             |
| Power Barge              | 0            | -            | -             |                |               |              |                  |             |
| TOTAL MINDANAO           | 2            | 0.217        | 0.214         | 0.058          | 0.036         | 0.040        | 0.156            |             |
| Land-Based               | 2            | 0.217        | 0.214         |                |               |              |                  |             |
| Power Barge              | 0            | -            | -             |                |               |              |                  |             |
| <b>TOTAL PHILIPPINES</b> | <b>19</b>    | <b>2.309</b> | <b>1.619</b>  | <b>180.529</b> | <b>75.253</b> | <b>0.546</b> | <b>(178.909)</b> |             |

Legend:  
SD - Shutdown Date  
IPP - Independent Power Producer  
PB - Power Barge  
EDC - Estimated Date of Completion  
DPP - Diesel Power Plant  
\* - Excluding rented gensets  
ETA - Estimated Time of Arrival  
ETD - Estimated Time of Departure  
\*\* - Excluding IPPs

Mini Grids - " 12 "  
Transferred Areas - " 7 "

**NOTE: Maximum demand exceeded the dependable capacity because of the wrong input of Paluan DPP. Also, Palimbang DPP did not input system demand in**

**Also, Palimbang DPP did not input system demand in July 2009**