

TARIFAS EN BARRA ACTUALIZADAS EN SUBESTACIONES BASE

TARIFAS EN BARRA ACTUALIZADAS EN SUBESTACIONES BASE  
04 DE ABRIL DE 2008

| Resoluciones OSINERGMIN N° 168-2007-OS/CD, N° 359-2007-OS/CD |            |               |               |                    |                    |                    |      |
|--------------------------------------------------------------|------------|---------------|---------------|--------------------|--------------------|--------------------|------|
| TENSIÓN                                                      | PPM        | PEMP          | PEMF          | PCSPT <sup>1</sup> | CPSEE <sup>3</sup> | CPSEE <sup>2</sup> |      |
| kV                                                           | SI./kW-mes | ctm. SI./kW.h | ctm. SI./kW.h | SI./kW-mes         | ctm. SI./kW.h      | ctm. SI./kW.h      |      |
| SISTEMA ELÉCTRICO INTERCONECTADO NACIONAL                    |            |               |               |                    |                    |                    |      |
| Talara                                                       | 220        | 13.56         | 9.55          | 7.49               | 8,20               | 0,0072             |      |
| Piura Oeste                                                  | 220        | 13.56         | 9.55          | 7.49               | 8,20               | 0,0072             |      |
| Chiclayo Oeste                                               | 220        | 13.46         | 9.93          | 7.73               | 8,20               | 0,0072             |      |
| Guadalupe                                                    | 220        | 13.45         | 10.05         | 7.83               | 8,20               | 0,0072             |      |
| Guadalupe60                                                  | 60         | 13.42         | 10.07         | 7.85               | 8,20               | 0,0072             |      |
| Trujillo Norte                                               | 220        | 13.36         | 10.12         | 7.87               | 8,20               | 0,0072             |      |
| Chimbote 1                                                   | 220        | 13.11         | 10.02         | 7.80               | 8,20               | 0,0072             |      |
| Paramonga                                                    | 220        | 13.16         | 10.01         | 7.65               | 8,20               | 0,0072             |      |
| Paramonga138                                                 | 138        | 13.11         | 9.98          | 7.64               | 8,20               | 0,0072             | 0.16 |
| Huacho                                                       | 220        | 13.19         | 10.18         | 7.66               | 8,20               | 0,0072             |      |
| Zapallal                                                     | 220        | 13.21         | 10.40         | 7.64               | 8,20               | 0,0072             |      |
| Ventaniella                                                  | 220        | 13.23         | 10.46         | 7.65               | 8,20               | 0,0072             |      |
| Lima                                                         | 220        | 10.78         | 10.78         | 7.81               | 8,20               | 0,0072             |      |
| Cantera                                                      | 220        | 13.24         | 10.56         | 7.79               | 8,20               | 0,0072             |      |
| Desierto                                                     | 220        | 13.22         | 10.46         | 7.77               | 8,20               | 0,0072             |      |
| Chilca                                                       | 220        | 13.22         | 10.83         | 7.81               | 8,20               | 0,0072             |      |
| Independencia                                                | 220        | 13.22         | 10.25         | 7.75               | 8,20               | 0,0072             |      |
| Ica                                                          | 220        | 13.46         | 10.34         | 7.82               | 8,20               | 0,0072             | 0.15 |
| Marcona                                                      | 220        | 14.00         | 10.49         | 7.94               | 8,20               | 0,0072             | 0.85 |
| Mantaro                                                      | 220        | 12.70         | 9.23          | 7.51               | 8,20               | 0,0072             |      |
| Huayucachi                                                   | 220        | 12.86         | 9.67          | 7.55               | 8,20               | 0,0072             |      |
| Pachachaca                                                   | 220        | 12.95         | 9.18          | 7.51               | 8,20               | 0,0072             |      |
| Huancavelica                                                 | 220        | 12.85         | 9.51          | 7.57               | 8,20               | 0,0072             |      |
| Callahuanca                                                  | 220        | 13.06         | 9.97          | 7.69               | 8,20               | 0,0072             |      |
| Cajamarquilla                                                | 220        | 13.24         | 10.42         | 7.77               | 8,20               | 0,0072             | 0.06 |
| Huallanca                                                    | 138        | 12.31         | 9.62          | 7.55               | 8,20               | 0,0072             |      |
| Vizcarra                                                     | 220        | 13.15         | 9.61          | 7.56               | 8,20               | 0,0072             |      |
| Tingo María                                                  | 220        | 12.97         | 9.36          | 7.37               | 8,20               | 0,0072             |      |
| Aguytia                                                      | 220        | 12.87         | 9.24          | 7.28               | 8,20               | 0,0072             |      |
| Pucallpa                                                     | 60         | 13.53         | 9.41          | 7.36               | 8,20               | 0,0072             | 1.99 |
| Tingo María138                                               | 138        | 12.95         | 9.31          | 7.36               | 8,20               | 0,0072             |      |
| Huánuco                                                      | 138        | 13.09         | 9.35          | 7.48               | 8,20               | 0,0072             |      |
| Paragsha II                                                  | 138        | 13.05         | 9.34          | 7.55               | 8,20               | 0,0072             | 0.08 |
| Oroya Nueva220                                               | 220        | 12.95         | 9.21          | 7.60               | 8,20               | 0,0072             | 0.08 |
| Oroya Nueva50                                                | 50         | 13.04         | 9.28          | 7.64               | 8,20               | 0,0072             | 0.08 |
| Carhuamayo138                                                | 138        | 13.10         | 9.35          | 7.57               | 8,20               | 0,0072             | 0.08 |
| Carhuamayo Nueva                                             | 220        | 12.84         | 9.23          | 7.52               | 8,20               | 0,0072             |      |
| Caripa                                                       | 138        | 13.12         | 9.34          | 7.62               | 8,20               | 0,0072             | 0.08 |
| Condorcocha44                                                | 44         | 13.24         | 9.35          | 7.63               | 8,20               | 0,0072             | 0.57 |
| Machupicchu                                                  | 138        | 12.69         | 8.87          | 7.51               | 8,20               | 0,0072             |      |
| Cachimayo                                                    | 138        | 13.37         | 9.13          | 7.74               | 8,20               | 0,0072             |      |
| Cusco                                                        | 138        | 13.32         | 9.15          | 7.75               | 8,20               | 0,0072             |      |
| Combapata                                                    | 138        | 13.56         | 9.32          | 7.95               | 8,20               | 0,0072             |      |
| Tintaya                                                      | 138        | 13.73         | 9.49          | 8.16               | 8,20               | 0,0072             |      |
| Ayaviri                                                      | 138        | 13.33         | 9.31          | 8.02               | 8,20               | 0,0072             |      |
| Azángaro                                                     | 138        | 13.10         | 9.21          | 7.94               | 8,20               | 0,0072             |      |
| Julica                                                       | 138        | 13.72         | 9.18          | 8.18               | 8,20               | 0,0072             |      |
| Puno138                                                      | 138        | 13.91         | 9.61          | 8.28               | 8,20               | 0,0072             |      |
| Puno220                                                      | 220        | 13.93         | 9.64          | 8.29               | 8,20               | 0,0072             |      |
| Callalli                                                     | 138        | 13.81         | 9.60          | 8.26               | 8,20               | 0,0072             |      |
| Santuario                                                    | 138        | 13.80         | 9.65          | 8.29               | 8,20               | 0,0072             |      |
| Arequipa                                                     | 138        | 13.93         | 9.71          | 8.34               | 8,20               | 0,0072             | 0.11 |
| Socabaya220                                                  | 220        | 13.94         | 9.71          | 8.33               | 8,20               | 0,0072             |      |
| Cerro Verde                                                  | 138        | 14.00         | 9.74          | 8.35               | 8,20               | 0,0072             |      |
| Repartición                                                  | 138        | 14.07         | 9.76          | 8.36               | 8,20               | 0,0072             |      |
| Mollendo                                                     | 138        | 14.16         | 9.76          | 8.36               | 8,20               | 0,0072             |      |
| Montalvo220                                                  | 220        | 14.06         | 9.73          | 8.38               | 8,20               | 0,0072             | 0.41 |
| Montalvo                                                     | 138        | 14.07         | 9.73          | 8.38               | 8,20               | 0,0072             | 0.41 |
| Ilo                                                          | 138        | 14.24         | 9.79          | 8.44               | 8,20               | 0,0072             | 0.41 |
| Botiflaca                                                    | 138        | 14.24         | 9.78          | 8.43               | 8,20               | 0,0072             | 0.41 |
| Toquepala                                                    | 138        | 14.27         | 9.79          | 8.45               | 8,20               | 0,0072             | 0.41 |
| Aricotá138                                                   | 138        | 14.21         | 9.74          | 8.43               | 8,20               | 0,0072             |      |
| Aricotá66                                                    | 66         | 14.17         | 9.71          | 8.42               | 8,20               | 0,0072             |      |
| Tacna220 (SE Los Héroes)                                     | 220        | 14.16         | 9.76          | 8.41               | 8,20               | 0,0072             |      |
| Tacna66 (SE Los Héroes)                                      | 66         | 14.38         | 9.81          | 8.44               | 8,20               | 0,0072             | 0.54 |
| SISTEMAS AISLADOS                                            |            |               |               |                    |                    |                    |      |
| Adinelsa                                                     | MT         | 23.44         | 23.92         | 23.92              |                    |                    |      |
| Chavimochic                                                  | MT         | 23.44         | 23.92         | 23.92              |                    |                    |      |
| Edelnor                                                      | MT         | 23.44         | 23.92         | 23.92              |                    |                    |      |
| Edelsa                                                       | MT         | 23.44         | 23.92         | 23.92              |                    |                    |      |
| Egepsa                                                       | MT         | 23.44         | 23.92         | 23.92              |                    |                    |      |
| Electro Oriente                                              | MT         | 24.11         | 35.59         | 35.59              |                    |                    |      |
| Electro Pangoa                                               | MT         | 23.44         | 23.92         | 23.92              |                    |                    |      |
| Electro Puno                                                 | MT         | 26.17         | 57.91         | 57.91              |                    |                    |      |
| Electro Sur Este                                             | MT         | 26.14         | 61.56         | 61.56              |                    |                    |      |
| Electro Sur Medio                                            | MT         | 26.17         | 57.91         | 57.91              |                    |                    |      |
| Electro Ucayali                                              | MT         | 23.44         | 23.92         | 23.92              |                    |                    |      |
| Electrocentro                                                | MT         | 23.44         | 23.92         | 23.92              |                    |                    |      |
| Electronorte                                                 | MT         | 23.58         | 22.49         | 22.49              |                    |                    |      |
| Emseusa                                                      | MT         | 23.88         | 21.47         | 21.47              |                    |                    |      |
| Hidrandina                                                   | MT         | 23.45         | 24.06         | 24.06              |                    |                    |      |
| Seal                                                         | MT         | 25.03         | 42.90         | 42.90              |                    |                    |      |
| Sersa                                                        | MT         | 23.98         | 36.67         | 36.67              |                    |                    |      |

1. Resoluciones OSINERGMIN N° 168-2007-OS/CD, N° 359-2007-OS/CD.  
2. Resoluciones OSINERGMIN N° 065-2005-OS/CD, N° 146-2005-OS/CD, N° 251-2006-OS/CD, Resoluciones OSINERGMIN N° 169-2007-OS/CD, N° 360-2007-OS/CD.  
3. CPSEE, Línea 220kV Zapallal-Chimbote1.

Peaje de Conexión al Sistema Principal de Transmisión  
Resoluciones OSINERGMIN N° 168-2007-OS/CD, N° 359-2007-OS/CD

| 04 de Abril de 2008             |                     |
|---------------------------------|---------------------|
| Sistema de Transmisión          | PCSPT<br>SI./kW-mes |
| SPT de REP                      | 1.35                |
| SPT de San Gabán                | 0.01                |
| SPT de Antamina                 | 0.01                |
| SPT Eteselva                    | 0.21                |
| SPT de Redesar                  | 0.68                |
| SPT de Transmantaro             | 1.64                |
| SPT de ISA                      | 0.54                |
| Garantía por Red Principal TGP  | 3.60                |
| Garantía por Red Principal GNLC | 0.16                |
|                                 | 8.20                |

Peaje Secundario por Transmisión Equivalente en energía de la Subestaciones Base  
Resoluciones OSINERGMIN N° 065-2005-OS/CD, N° 146-2005-OS/CD, N° 251-2006-OS/CD

| 04 de Abril de 2008 |               |                                                        |                          |
|---------------------|---------------|--------------------------------------------------------|--------------------------|
| Subestaciones Base  | Tensión<br>kV | Instalaciones Secundarias                              | CPSEE01<br>ctm. SI./kW.h |
| Paragsha II         | 138           |                                                        |                          |
| Oroya Nueva         | 220           |                                                        |                          |
| Oroya Nueva         | 50            | S.E. Oroya Nueva - Transformación 220/50/13.8 kV       | 0,0805                   |
| Carhuamayo          | 138           |                                                        |                          |
| Caripa              | 138           |                                                        |                          |
| Condorcocha         | 44            | SST Transformación Oroya Nueva 220/50/13.8 kV          | 0,0805                   |
|                     |               | SST Caripa - Condorcocha, S.E. Condorcocha 138/44 kV   | 0,4899                   |
| Montalvo            | 220           |                                                        |                          |
| Montalvo            | 138           |                                                        |                          |
| Ilo                 | 138           | SST de Enersur                                         | 0,4145                   |
| Botiflaca           | 138           |                                                        |                          |
| Toquepala           | 138           |                                                        |                          |
| Arequipa            | 138           | SST Santuario - Chilina 138 kV                         | 0,1098                   |
| Cajamarquilla       | 220           | SST Celda de Transformación 220kV - S.E. Cajamarquilla | 0,0627                   |
| Paramonga Existente | 138           | SST Paramonga Nueva-Paramonga Existente                | 0,0347                   |

Peaje Secundario por Transmisión Equivalente en energía de la Subestaciones Base  
Resoluciones OSINERGMIN N° 169-2007-OS/CD, N° 360-2007-OS/CD

| 04 de Abril de 2008 |               |                                                                                                  |                        |
|---------------------|---------------|--------------------------------------------------------------------------------------------------|------------------------|
| Subestaciones Base  | Tensión<br>kV | Instalaciones Secundarias                                                                        | CPSEE<br>ctm. SI./kW.h |
| Tacna               | 66            | S.E. Tacna - Transf. 220/66/10 kV 50 MVA                                                         | 0,5352                 |
| Pucallpa            | 60            | L.T. Aguytia-Pucallpa, S.E. Aguytia 220/138/22.9 kV, S.E. Pucallpa 138/60/10 kV y Reactor 8 MVar | 1,9931                 |
| Paramonga Existente | 138           | SST Paramonga Nueva 220/138kV                                                                    | 0,1239                 |
| Ica                 | 220           | SST Independencia - Ica 220kV                                                                    | 0,1479                 |
|                     |               | SST Independencia - Ica 220kV                                                                    | 0,1479                 |
| Marcona             | 220           | SST Ica - Marcona 220kV                                                                          | 0,7031                 |
|                     |               | Total                                                                                            | 0,8511                 |

PRECIOS EN BARRA EN SUBESTACIONES BASE

| 04 DE ABRIL DE 2008                       |           |              |              |       |
|-------------------------------------------|-----------|--------------|--------------|-------|
| TENSIÓN                                   | PPB       | PEBP         | PEBF         |       |
| kV                                        | \$/kW-mes | ctm. \$/kW/h | ctm. \$/kW/h |       |
| SISTEMA ELÉCTRICO INTERCONECTADO NACIONAL |           |              |              |       |
| Talara                                    | 220       | 21.76        | 9.56         | 7.50  |
| Piura Oeste                               | 220       | 21.85        | 9.81         | 7.67  |
| Chiclayo Oeste                            | 220       | 21.65        | 9.93         | 7.74  |
| Guadalupe                                 | 220       | 21.65        | 10.06        | 7.84  |
| Guadalupe60                               | 60        | 21.62        | 10.08        | 7.86  |
| Trujillo Norte                            | 220       | 21.55        | 10.13        | 7.88  |
| Chimbote 1                                | 220       | 21.31        | 10.02        | 7.80  |
| Paramonga                                 | 220       | 21.36        | 10.01        | 7.66  |
| Paramonga138                              | 138       | 21.31        | 10.15        | 7.81  |
| Huacho                                    | 220       | 21.39        | 10.18        | 7.67  |
| Zapallal                                  | 220       | 21.41        | 10.41        | 7.65  |
| Ventaniella                               | 220       | 21.43        | 10.46        | 7.66  |
| Lima                                      | 220       | 21.53        | 10.79        | 7.81  |
| Cantera                                   | 220       | 21.44        | 10.56        | 7.80  |
| Desierto                                  | 220       | 21.42        | 10.46        | 7.78  |
| Chilca                                    | 220       | 21.42        | 10.84        | 7.81  |
| Independencia                             | 220       | 21.42        | 10.26        | 7.76  |
| Ica                                       | 220       | 21.65        | 10.49        | 7.98  |
| Marcona                                   | 220       | 22.20        | 11.35        | 8.80  |
| Mantaro                                   | 220       | 20.90        | 9.24         | 7.52  |
| Huayucachi                                | 220       | 21.06        | 9.67         | 7.55  |
| Pachachaca                                | 220       | 21.14        | 9.19         | 7.62  |
| Huancavelica                              | 220       | 21.04        | 9.52         | 7.58  |
| Callahuanca                               | 220       | 21.26        | 9.98         | 7.70  |
| Cajamarquilla                             | 220       | 21.44        | 10.49        | 7.84  |
| Huallanca                                 | 138       | 20.51        | 9.63         | 7.55  |
| Vizcarra                                  | 220       | 21.34        | 9.62         | 7.57  |
| Tingo María                               | 220       | 21.17        | 9.37         | 7.37  |
| Aguytia                                   | 220       | 21.07        | 9.25         | 7.28  |
| Pucallpa                                  | 60        | 21.73        | 11.41        | 9.36  |
| Tingo María138                            | 138       | 21.15        | 9.31         | 7.36  |
| Huánuco                                   | 138       | 21.29        | 9.36         | 7.49  |
| Paragsha II                               | 138       | 21.24        | 9.43         | 7.63  |
| Oroya Nueva220                            | 220       | 21.14        | 9.30         | 7.69  |
| Oroya Nueva50                             | 50        | 21.24        | 9.37         | 7.72  |
| Carhuamayo138                             | 138       | 21.30        | 9.44         | 7.66  |
| Carhuamayo Nueva                          | 220       | 21.04        | 9.24         | 7.53  |
| Caripa                                    | 138       | 21.32        | 9.43         | 7.71  |
| Condorcocha44                             | 44        | 21.44        | 9.93         | 8.20  |
| Machupicchu                               | 138       | 20.89        | 8.87         | 7.52  |
| Cachimayo                                 | 138       | 21.57        | 9.13         | 7.75  |
| Cusco                                     | 138       | 21.52        | 9.16         | 7.76  |
| Combapata                                 | 138       | 21.75        | 9.32         | 7.96  |
| Tintaya                                   | 138       | 21.93        | 9.49         | 8.16  |
| Ayaviri                                   | 138       | 21.53        | 9.31         | 8.03  |
| Azángaro                                  | 138       | 21.30        | 9.21         | 7.95  |
| Julica                                    | 138       | 21.92        | 9.53         | 8.19  |
| Puno138                                   | 138       | 22.11        | 9.62         | 8.29  |
| Puno220                                   | 220       | 22.13        | 9.65         | 8.30  |
| Callalli                                  | 138       | 22.01        | 9.61         | 8.27  |
| Santuario                                 | 138       | 22.00        | 9.65         | 8.30  |
| Arequipa                                  | 138       | 22.13        | 9.83         | 8.45  |
| Socabaya220                               | 220       | 22.14        | 9.72         | 8.33  |
| Cerro Verde                               | 138       | 22.20        | 9.74         | 8.36  |
| Reparación                                | 138       | 22.27        | 9.77         | 8.37  |
| Mollendo                                  | 138       | 22.36        | 9.77         | 8.37  |
| Montalvo220                               | 220       | 22.26        | 10.15        | 8.80  |
| Montalvo                                  | 138       | 22.26        | 10.15        | 8.80  |
| Ilo                                       | 138       | 22.44        | 10.21        | 8.86  |
| Botiflaca                                 | 138       | 22.44        | 10.20        | 8.85  |
| Toquepala                                 | 138       | 22.46        | 10.21        | 8.87  |
| Aricotá138                                | 138       | 22.41        | 9.74         | 8.43  |
| Aricotá66                                 | 66        | 22.37        | 9.72         | 8.42  |
| Tacna220 (SE Los Héroes)                  | 220       | 22.36        | 9.77         | 8.42  |
| Tacna66 (SE Los Héroes)                   | 66        | 22.58        | 10.35        | 8.98  |
| SISTEMAS AISLADOS                         |           |              |              |       |
| Adinelsa                                  | MT        | 23.44        | 23.92        | 23.92 |
| Chavimochic                               | MT        | 23.44        | 23.92        | 23.92 |
| Edelnor                                   | MT        | 23.44        | 23.92        | 23.92 |
| Edelsa                                    | MT        | 23.44        | 23.92        | 23.92 |
| Egepsa                                    | MT        | 23.44        | 23.92        | 23.92 |
| Electro Oriente                           | MT        | 24.11        | 35.59        | 35.59 |
| Electro Pangoa                            | MT        | 23.44        | 23.92        | 23.92 |
| Electro Puno                              | MT        | 26.17        | 57.91        | 57.91 |
| Electro Sur Este                          | MT        | 26.14        | 61.56        | 61.56 |
| Electro Sur Medio                         | MT        | 26.17        | 57.91        | 57.91 |
| Electro Ucayali                           | MT        | 23.44        | 23.92        | 23.92 |
| Electrocentro                             | MT        | 23.44        | 23.92        | 23.92 |
| Electronorte                              | MT        | 23.58        | 22.49        | 22.49 |
| Ensenada                                  | MT        | 23.68        | 22.17        | 21.47 |
| Hidrandina                                | MT        | 23.45        | 24.06        | 24.06 |
| Seal                                      | MT        | 25.03        | 42.90        | 42.90 |
| Sersa                                     | MT        | 23.98        | 36.67        | 36.67 |

# TARIFAS A NIVEL GENERACIÓN ACTUALIZADAS EN SUBESTACIONES BASE

## TARIFAS A NIVEL GENERACIÓN ACTUALIZADAS EN SUBESTACIONES BASE

| 04 DE ABRIL DE 2008                              |         |           |              |              |                    |                    |                    |
|--------------------------------------------------|---------|-----------|--------------|--------------|--------------------|--------------------|--------------------|
| Resolución OSINERGMIN N° 029-2008-OS/CD          |         |           |              |              |                    |                    |                    |
|                                                  | TENSIÓN | PPM       | PEMP         | PEMF         | PCSPT <sup>1</sup> | CPSEE <sup>2</sup> | CPSEE <sup>2</sup> |
|                                                  | kV      | \$/kW-mes | ctm. \$/kW.h | ctm. \$/kW.h | \$/kW-mes          | ctm. \$/kW.h       | ctm. \$/kW.h       |
| <b>SISTEMA ELÉCTRICO INTERCONECTADO NACIONAL</b> |         |           |              |              |                    |                    |                    |
| Talara                                           | 220     | 14,86     | 10,52        | 8,59         | 8,20               | 0,0072             |                    |
| Piura Oeste                                      | 220     | 14,96     | 10,79        | 8,78         | 8,20               | 0,0072             |                    |
| Chiclayo Oeste                                   | 220     | 14,74     | 10,91        | 8,86         | 8,20               | 0,0072             |                    |
| Guadalupe                                        | 220     | 14,73     | 11,05        | 8,97         | 8,20               | 0,0072             |                    |
| Guadalupé60                                      | 60      | 14,69     | 11,07        | 8,99         | 8,20               | 0,0072             |                    |
| Trujillo Norte                                   | 220     | 14,63     | 11,13        | 9,01         | 8,20               | 0,0072             |                    |
| Chimbote 1                                       | 220     | 14,35     | 11,01        | 8,93         | 8,20               | 0,0072             |                    |
| Paramonga                                        | 220     | 14,42     | 11,00        | 8,77         | 8,20               | 0,0072             |                    |
| Paramonga138                                     | 138     | 14,36     | 10,97        | 8,76         | 8,20               | 0,0072             | 0,16               |
| Huacho                                           | 220     | 14,45     | 11,18        | 8,78         | 8,20               | 0,0072             |                    |
| Zapallal                                         | 220     | 14,47     | 11,43        | 8,76         | 8,20               | 0,0072             |                    |
| Ventanilla                                       | 220     | 14,49     | 11,48        | 8,77         | 8,20               | 0,0072             |                    |
| Lima                                             | 220     | 14,60     | 11,83        | 8,94         | 8,20               | 0,0072             |                    |
| Cantera                                          | 220     | 14,50     | 11,59        | 8,92         | 8,20               | 0,0072             |                    |
| Desierto                                         | 220     | 14,48     | 11,48        | 8,90         | 8,20               | 0,0072             |                    |
| Chilca                                           | 220     | 14,48     | 11,89        | 8,94         | 8,20               | 0,0072             |                    |
| Independencia                                    | 220     | 14,48     | 12,26        | 8,88         | 8,20               | 0,0072             |                    |
| Ica                                              | 220     | 14,74     | 11,36        | 8,96         | 8,20               | 0,0072             | 0,15               |
| Marcona                                          | 220     | 15,33     | 11,52        | 9,09         | 8,20               | 0,0072             | 0,85               |
| Mantaro                                          | 220     | 13,91     | 10,18        | 8,61         | 8,20               | 0,0072             |                    |
| Huayucachi                                       | 220     | 14,09     | 10,64        | 8,65         | 8,20               | 0,0072             |                    |
| Pachachaca                                       | 220     | 14,18     | 10,12        | 8,72         | 8,20               | 0,0072             |                    |
| Huancavelica                                     | 220     | 14,07     | 10,48        | 8,68         | 8,20               | 0,0072             |                    |
| Callishuanga                                     | 220     | 14,31     | 10,96        | 8,81         | 8,20               | 0,0072             |                    |
| Cajamarquilla                                    | 220     | 14,50     | 11,45        | 8,90         | 8,20               | 0,0072             | 0,06               |
| Huallanca                                        | 138     | 13,48     | 10,59        | 8,65         | 8,20               | 0,0072             |                    |
| Vizcarra                                         | 220     | 14,40     | 10,58        | 8,67         | 8,20               | 0,0072             |                    |
| Tingo María                                      | 220     | 14,21     | 10,31        | 8,45         | 8,20               | 0,0072             |                    |
| Aguyayta                                         | 220     | 14,10     | 10,19        | 8,35         | 8,20               | 0,0072             |                    |
| Pucallpa                                         | 60      | 14,82     | 10,36        | 8,44         | 8,20               | 0,0072             | 1,99               |
| Tingo María138                                   | 138     | 14,19     | 10,25        | 8,44         | 8,20               | 0,0072             |                    |
| Huánuco                                          | 138     | 14,34     | 10,30        | 8,58         | 8,20               | 0,0072             |                    |
| Paragsha II                                      | 138     | 14,29     | 10,29        | 8,65         | 8,20               | 0,0072             | 0,08               |
| Oroya Nueva220                                   | 220     | 14,18     | 10,15        | 8,71         | 8,20               | 0,0072             | 0,08               |
| Oroya Nueva50                                    | 50      | 14,28     | 10,23        | 8,75         | 8,20               | 0,0072             | 0,08               |
| Carhuamayo138                                    | 138     | 14,34     | 10,30        | 8,68         | 8,20               | 0,0072             | 0,08               |
| Carhuamayo Nueva                                 | 220     | 14,06     | 10,18        | 8,62         | 8,20               | 0,0072             |                    |
| Caripa                                           | 138     | 14,36     | 10,29        | 8,73         | 8,20               | 0,0072             | 0,08               |
| Condorchocha44                                   | 44      | 14,50     | 10,30        | 8,74         | 8,20               | 0,0072             | 0,57               |
| Machupicchu                                      | 138     | 13,90     | 9,78         | 8,61         | 8,20               | 0,0072             |                    |
| Cachimayo                                        | 138     | 14,65     | 10,06        | 8,87         | 8,20               | 0,0072             |                    |
| Cusco                                            | 138     | 14,59     | 10,09        | 8,88         | 8,20               | 0,0072             |                    |
| Combapata                                        | 138     | 14,85     | 10,26        | 9,10         | 8,20               | 0,0072             |                    |
| Tintaya                                          | 138     | 15,03     | 10,45        | 9,33         | 8,20               | 0,0072             |                    |
| Ayaviri                                          | 138     | 14,60     | 10,25        | 9,18         | 8,20               | 0,0072             |                    |
| Azángaro                                         | 138     | 14,34     | 10,15        | 9,09         | 8,20               | 0,0072             |                    |
| Julica                                           | 138     | 15,02     | 10,49        | 9,36         | 8,20               | 0,0072             |                    |
| Puno138                                          | 138     | 15,24     | 10,58        | 9,47         | 8,20               | 0,0072             |                    |
| Puno220                                          | 220     | 15,26     | 10,61        | 9,48         | 8,20               | 0,0072             |                    |
| Callalli                                         | 138     | 15,13     | 10,57        | 9,38         | 8,20               | 0,0072             |                    |
| Santuario                                        | 138     | 15,12     | 10,62        | 9,48         | 8,20               | 0,0072             |                    |
| Arequipa                                         | 138     | 15,26     | 10,69        | 9,53         | 8,20               | 0,0072             | 0,11               |
| Socabaya220                                      | 220     | 15,27     | 10,69        | 9,52         | 8,20               | 0,0072             |                    |
| Cerro Verde                                      | 138     | 15,33     | 10,72        | 9,55         | 8,20               | 0,0072             |                    |
| Repartición                                      | 138     | 15,42     | 10,75        | 9,56         | 8,20               | 0,0072             |                    |
| Mollendo                                         | 138     | 15,51     | 10,75        | 9,56         | 8,20               | 0,0072             |                    |
| Montalvo220                                      | 220     | 15,40     | 10,71        | 9,58         | 8,20               | 0,0072             | 0,41               |
| Montalvo                                         | 138     | 15,41     | 10,71        | 9,58         | 8,20               | 0,0072             | 0,41               |
| Ilo                                              | 138     | 15,60     | 10,78        | 9,64         | 8,20               | 0,0072             | 0,41               |
| Botiflaca                                        | 138     | 15,60     | 10,77        | 9,63         | 8,20               | 0,0072             | 0,41               |
| Toquepala                                        | 138     | 15,62     | 10,78        | 9,66         | 8,20               | 0,0072             | 0,41               |
| Aricota138                                       | 138     | 15,57     | 10,72        | 9,63         | 8,20               | 0,0072             |                    |
| Aricota66                                        | 66      | 15,53     | 10,69        | 9,62         | 8,20               | 0,0072             |                    |
| Tacna220 (SE Los Héroes)                         | 220     | 15,51     | 10,75        | 9,61         | 8,20               | 0,0072             |                    |
| Tacna66 (SE Los Héroes)                          | 66      | 15,76     | 10,80        | 9,64         | 8,20               | 0,0072             | 0,54               |
| <b>SISTEMAS AISLADOS</b>                         |         |           |              |              |                    |                    |                    |
| Adinlesa                                         | MT      | 23,74     | 16,53        | 16,53        |                    |                    |                    |
| Chavimochic                                      | MT      | 23,74     | 16,53        | 16,53        |                    |                    |                    |
| Edelnor                                          | MT      | 23,74     | 16,53        | 16,53        |                    |                    |                    |
| Edelsa                                           | MT      | 23,74     | 16,53        | 16,53        |                    |                    |                    |
| Egepsa                                           | MT      | 23,74     | 16,53        | 16,53        |                    |                    |                    |
| Electro Oriente                                  | MT      | 25,28     | 19,10        | 19,10        |                    |                    |                    |
| Electro Pangoa                                   | MT      | 23,74     | 16,53        | 16,53        |                    |                    |                    |
| Electro Puno                                     | MT      | 31,63     | 24,35        | 24,35        |                    |                    |                    |
| Electro Sur Este                                 | MT      | 31,75     | 26,70        | 26,70        |                    |                    |                    |
| Electro Sur Medio                                | MT      | 31,63     | 24,35        | 24,35        |                    |                    |                    |
| Electro Ucayali                                  | MT      | 23,74     | 16,53        | 16,53        |                    |                    |                    |
| Electrocentro                                    | MT      | 23,74     | 16,53        | 16,53        |                    |                    |                    |
| Electronorte                                     | MT      | 23,84     | 17,03        | 17,03        |                    |                    |                    |
| Emseusa                                          | MT      | 23,89     | 17,36        | 17,36        |                    |                    |                    |
| Hidrandina                                       | MT      | 23,76     | 16,56        | 16,56        |                    |                    |                    |
| Seal                                             | MT      | 27,55     | 20,29        | 20,29        |                    |                    |                    |
| Sersa                                            | MT      | 25,12     | 19,10        | 19,10        |                    |                    |                    |

1. Resoluciones OSINERGMIN N° 168-2007-OS/CD, N° 359-2007-OS/CD.
2. Resoluciones OSINERG N° 065-2005-OS/CD, N° 146-2005-OS/CD, N° 251-2006-OS/CD, Resoluciones OSINERGMIN N° 169-2007-OS/CD, N° 360-2007-OS/CD.
3. CPSEE, Línea 220kV Zapallal-Chimbote1.

# Peaje de Conexión al Sistemas Principal de Transmisión

Resoluciones OSINERGMIN N° 168-2007-OS/CD, N° 359-2007-OS/CD

04 de Abril de 2008

| Sistema de Transmisión          | PCSPT<br>\$/kW-mes |
|---------------------------------|--------------------|
| SPT de REP                      | 1,35               |
| SPT de San Gabán                | 0,01               |
| SPT de Antamina                 | 0,01               |
| SPT Eteselva                    | 0,21               |
| SPT de Redesar                  | 0,68               |
| SPT de Transmataro              | 1,64               |
| SPT de ISA                      | 0,54               |
| Garantía por Red Principal TGP  | 3,60               |
| Garantía por Red Principal GNLC | 0,16               |
|                                 | 8,20               |

## Peaje Secundario por Transmisión Equivalente en energía de la Subestaciones Base

Resoluciones OSINERG N° 065-2005-OS/CD, N° 146-2005-OS/CD, N° 251-2006-OS/CD

04 de Abril de 2008

| Subestaciones Base  | Tensión<br>kV | Instalaciones Secundarias                              | CPSEE01<br>ctm. \$/kW.h |
|---------------------|---------------|--------------------------------------------------------|-------------------------|
| Paragsha II         | 138           | S.E. Oroya Nueva - Transformación 220/50/13,8 kV       | 0,0805                  |
| Oroya Nueva         | 220           |                                                        |                         |
| Oroya Nueva         | 50            |                                                        |                         |
| Carhuamayo          | 138           |                                                        |                         |
| Caripa              | 138           |                                                        |                         |
| Condorchocha        | 44            | SST Transformación Oroya Nueva 220/50/13,8 kV          | 0,0805                  |
|                     |               | SST Caripa - Condorchocha, S.E. Condorchocha 138/44 kV | 0,4899                  |
| Montalvo            | 220           |                                                        |                         |
| Montalvo            | 138           | SST de Enersur                                         | 0,4145                  |
| Ilo                 | 138           |                                                        |                         |
| Botiflaca           | 138           |                                                        |                         |
| Toquepala           | 138           |                                                        |                         |
| Arequipa            | 138           | SST Santuario - Chilina 138 kV                         | 0,1098                  |
| Cajamarquilla       | 220           | SST Celda de Transformación 220kV - S.E. Cajamarquilla | 0,0627                  |
| Paramonga Existente | 138           | SST Paramonga Nueva-Paramonga Existente                | 0,0347                  |

## Peaje Secundario por Transmisión Equivalente en energía de la Subestaciones Base

Resoluciones OSINERGMIN N° 169-2007-OS/CD, N° 360-2007-OS/CD

04 de Abril de 2008

| Subestaciones Base  | Tensión<br>kV | Instalaciones Secundarias                                                                          | CPSEE<br>ctm. \$/kW.h |
|---------------------|---------------|----------------------------------------------------------------------------------------------------|-----------------------|
| Tacna               | 66            | S.E. Tacna - Transf. 220/66/10 kV 50 MVA                                                           | 0,5352                |
| Pucallpa            | 60            | L.T. Aguyayta-Pucallpa, S.E. Aguyayta 220/138/22,9 kV, S.E. Pucallpa 138/60/10 kV y Reactor 8 MVAr |                       |
| Paramonga Existente | 138           | SST Paramonga Nueva 220/138kV                                                                      | 0,1239                |
| Ica                 | 220           | SST Independencia - Ica 220kV                                                                      | 0,1479                |
| Marcona             | 220           | SST Independencia - Ica 220kV                                                                      | 0,1479                |
|                     |               | SST Ica - Marcona 220kV                                                                            | 0,7031                |
|                     |               | Total                                                                                              | 0,8511                |

## PRECIOS A NIVEL GENERACIÓN EN SUBESTACIONES BASE

04 DE ABRIL DE 2008

|                                           |         | 04 DE ABRIL DE 2008 |              |              |  |
|-------------------------------------------|---------|---------------------|--------------|--------------|--|
|                                           | TENSIÓN | PPB                 | PEBP         | PEBF         |  |
|                                           | kV      | \$/kW-mes           | ctm. \$/kW.h | ctm. \$/kW.h |  |
| SISTEMA ELÉCTRICO INTERCONECTADO NACIONAL |         |                     |              |              |  |
| Talara                                    | 220     | 23,06               | 10,53        | 8,60         |  |
| Piura Oeste                               | 220     | 23,16               | 10,80        | 8,79         |  |
| Chiclayo Oeste                            | 220     | 22,94               | 10,92        | 8,87         |  |
| Guadalupe                                 | 220     | 22,93               | 11,06        | 8,98         |  |
| Guadalupé60                               | 60      | 22,89               | 11,08        | 9,00         |  |
| Trujillo Norte                            | 220     | 22,83               | 11,14        | 9,02         |  |
| Chimbote 1                                | 220     | 22,55               | 11,02        | 8,94         |  |
| Paramonga                                 | 220     | 22,62               | 11,01        | 8,78         |  |
| Paramonga138                              | 138     | 22,56               | 11,14        | 8,93         |  |
| Huacho                                    | 220     | 22,65               | 11,19        | 8,79         |  |
| Zapallal                                  | 220     | 22,67               | 11,44        | 8,77         |  |
| Ventanilla                                | 220     | 22,69               | 11,49        | 8,78         |  |
| Lima                                      | 220     | 22,80               | 11,84        | 8,95         |  |
| Cantera                                   | 220     | 22,70               | 11,60        | 8,93         |  |
| Desierto                                  | 220     | 22,68               | 11,49        | 8,91         |  |
| Chilca                                    | 220     | 22,68               | 11,90        | 8,95         |  |
| Independencia                             | 220     | 22,68               | 12,27        | 8,89         |  |
| Ica                                       | 220     | 22,94               | 11,52        | 9,12         |  |
| Marcona                                   | 220     | 23,53               | 12,38        | 9,95         |  |
| Mantaro                                   | 220     | 22,11               | 10,19        | 8,62         |  |
| Huayucachi                                | 220     | 22,29               | 10,65        | 8,66         |  |
| Pachachaca                                | 220     | 22,38               | 10,13        | 8,73         |  |
| Huancavelica                              | 220     | 22,27               | 10,49        | 8,69         |  |
| Callahuanga                               | 220     | 22,51               | 10,97        | 8,82         |  |
| Cajamarquilla                             | 220     | 22,70               | 11,52        | 8,97         |  |
| Huallanca                                 | 138     | 21,68               | 10,60        | 8,66         |  |
| Vizcarra                                  | 220     | 22,60               | 10,59        | 8,68         |  |
| Tingo María                               | 220     | 22,41               | 10,32        | 8,46         |  |
| Aguyayta                                  | 220     | 22,30               | 10,20        | 8,36         |  |
| Pucallpa                                  | 60      | 23,02               | 12,36        | 10,44        |  |
| Tingo María138                            | 138     | 22,39               | 10,26        | 8,45         |  |
| Huánuco                                   | 138     | 22,54               | 10,31        | 8,59         |  |
| Paragsha II                               | 138     | 22,49               | 10,38        | 8,74         |  |
| Oroya Nueva220                            | 220     | 22,38               | 10,24        | 8,80         |  |
| Oroya Nueva50                             | 50      | 22,48               | 10,32        | 8,84         |  |
| Carhuamayo138                             | 138     | 22,54               | 10,39        | 8,77         |  |
| Carhuamayo Nueva                          | 220     | 22,26               | 10,19        | 8,63         |  |
| Caripa                                    | 138     | 22,56               | 10,38        | 8,82         |  |
| Condorchocha44                            | 44      | 22,70               | 10,88        | 9,32         |  |
| Machupicchu                               | 138     | 22,10               | 9,79         | 8,62         |  |
| Cachimayo                                 | 138     | 22,85               | 10,07        | 8,88         |  |
| Cusco                                     | 138     | 22,79               | 10,10        | 8,89         |  |
| Combapata                                 | 138     | 23,05               | 10,27        | 9,11         |  |
| Tintaya                                   | 138     | 23,23               | 10,46        | 9,34         |  |
| Ayaviri                                   | 138     | 22,80               | 10,26        | 9,19         |  |
| Azángaro                                  | 138     | 22,54               | 10,16        | 9,10         |  |
| Julica                                    | 138     | 23,22               | 10,50        | 9,37         |  |
| Puno138                                   | 138     | 23,44               | 10,59        | 9,48         |  |
| Puno220                                   | 220     | 23,46               | 10,62        | 9,49         |  |
| Callalli                                  | 138     | 23,33               | 10,58        | 9,46         |  |
| Santuario                                 | 138     | 23,32               | 10,63        | 9,49         |  |
| Arequipa                                  | 138     | 23,46               | 10,81        | 9,65         |  |
| Socabaya220                               | 220     | 23,47               | 10,70        | 9,53         |  |
| Cerro Verde                               | 138     | 23,53               | 10,73        | 9,56         |  |
| Repartición                               | 138     | 23,62               | 10,76        | 9,57         |  |
| Mollendo                                  | 138     | 23,71               | 10,76        | 9,57         |  |
| Montalvo220                               | 220     | 23,60               | 11,13        | 10,00        |  |
| Montalvo                                  | 138     | 23,61               | 11,13        | 10,00        |  |
| Ilo                                       | 138     | 23,80               | 11,20        | 10,06        |  |
| Trujillo                                  | 138     | 23,80               | 11,19        | 10,05        |  |
| Toquepala                                 | 138     | 23,82               | 11,20        | 10,08        |  |
| Aricota138                                | 138     | 23,77               | 10,73        | 9,64         |  |
| Aricota66                                 | 66      | 23,73               | 10,70        | 9,63         |  |
| Tacna220 (SE Los Héroes)                  | 220     | 23,71               | 10,76        | 9,62         |  |
| Tacna66 (SE Los Héroes)                   | 66      | 23,96               | 11,34        | 10,18        |  |
| SISTEMAS AISLADOS                         |         |                     |              |              |  |
| Admelsa                                   | MT      | 23,74               | 16,53        | 16,53        |  |
| Chimichichic                              | MT      | 23,74               | 16,53        | 16,53        |  |
| Edenhor                                   | MT      | 23,74               | 16,53        | 16,53        |  |
| Edelsa                                    | MT      | 23,74               | 16,53        | 16,53        |  |
| Egessa                                    | MT      | 23,74               | 16,53        | 16,53        |  |
| Electro Oriente                           | MT      | 25,28               | 19,10        | 19,10        |  |
| Electro Pangoa                            | MT      | 23,74               | 16,53        | 16,53        |  |
| Electro Puno                              | MT      | 31,63               | 24,35        | 24,35        |  |
| Electro Sur Este                          | MT      | 31,75               | 26,70        | 26,70        |  |
| Electro Sur Medio                         | MT      | 31,63               | 24,35        | 24,35        |  |
| Electro Ucayali                           | MT      | 23,74               | 16,53        | 16,53        |  |
| Electrocentro                             | MT      | 23,74               | 16,53        | 16,53        |  |
| Elonorte                                  | MT      | 23,84               | 17,03        | 17,03        |  |
| Emeusa                                    | MT      | 23,89               | 17,36        | 17,36        |  |
| Elfrandina                                | MT      | 23,76               | 16,56        | 16,56        |  |
| Seel                                      | MT      | 27,55               | 20,29        | 20,29        |  |
| Sersa                                     | MT      | 25,12               | 19,10        | 19,10        |  |