

TARIFAS EN BARRA ACTUALIZADAS EN SUBESTACIONES BASE

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

| Resoluciones OSINERGMIN N° 341-2008-OS/CD, N° 462-2008-OS/CD, N° 463-2008-OS/CD |               |                  |                      |                      |                                 |                                    |                                    |
|---------------------------------------------------------------------------------|---------------|------------------|----------------------|----------------------|---------------------------------|------------------------------------|------------------------------------|
|                                                                                 | TENSIÓN<br>kV | PPM<br>\$/kW-mes | PEMP<br>ctm. \$/kW.h | PEMF<br>ctm. \$/kW.h | PCSPT <sup>1</sup><br>\$/kW-mes | CPSEE <sup>2</sup><br>ctm. \$/kW.h | CPSEE <sup>2</sup><br>ctm. \$/kW.h |
| <b>SISTEMA ELÉCTRICO INTERCONECTADO NACIONAL</b>                                |               |                  |                      |                      |                                 |                                    |                                    |
| Talara                                                                          | 220           | 14.67            | 13.97                | 10.28                | 5.02                            | 0.0077                             |                                    |
| Piura Oeste                                                                     | 220           | 14.73            | 14.07                | 10.39                | 5.02                            | 0.0077                             |                                    |
| Chiclayo Oeste                                                                  | 220           | 14.59            | 14.19                | 10.43                | 5.02                            | 0.0077                             |                                    |
| Guadalupe                                                                       | 220           | 14.58            | 14.27                | 10.49                | 5.02                            | 0.0077                             |                                    |
| Guadalupe60                                                                     | 60            | 14.56            | 14.31                | 10.52                | 5.02                            | 0.0077                             |                                    |
| Trujillo Norte                                                                  | 220           | 14.52            | 14.28                | 10.50                | 5.02                            | 0.0077                             |                                    |
| Chimbote 1                                                                      | 220           | 14.34            | 14.07                | 10.37                | 5.02                            | 0.0077                             |                                    |
| Paramonga                                                                       | 220           | 14.38            | 13.86                | 10.12                | 5.02                            | 0.0077                             |                                    |
| Paramonga138                                                                    | 138           | 14.34            | 14.55                | 10.76                | 5.02                            | 0.0077                             | 0.17                               |
| Huacho                                                                          | 220           | 14.40            | 13.87                | 10.11                | 5.02                            | 0.0077                             |                                    |
| Zapallal                                                                        | 220           | 14.41            | 13.84                | 10.07                | 5.02                            | 0.0077                             |                                    |
| Ventaniella                                                                     | 220           | 14.43            | 13.83                | 10.07                | 5.02                            | 0.0077                             |                                    |
| Lima                                                                            | 220           | 14.50            | 13.86                | 10.09                | 5.02                            | 0.0077                             |                                    |
| Cantera                                                                         | 220           | 14.43            | 13.75                | 10.07                | 5.02                            | 0.0077                             |                                    |
| Desierto                                                                        | 220           | 14.42            | 12.87                | 9.85                 | 5.02                            | 0.0077                             |                                    |
| Chilca                                                                          | 220           | 14.42            | 13.72                | 10.02                | 5.02                            | 0.0077                             |                                    |
| Independencia                                                                   | 220           | 14.42            | 13.78                | 10.11                | 5.02                            | 0.0077                             |                                    |
| Ica                                                                             | 220           | 14.59            | 13.94                | 10.23                | 5.02                            | 0.0077                             | 0.16                               |
| Marcona                                                                         | 220           | 14.99            | 14.23                | 10.43                | 5.02                            | 0.0077                             | 0.90                               |
| Mantaro                                                                         | 220           | 14.05            | 13.43                | 9.84                 | 5.02                            | 0.0077                             |                                    |
| Huayucachi                                                                      | 220           | 14.15            | 13.56                | 9.91                 | 5.02                            | 0.0077                             |                                    |
| Pachachaca                                                                      | 220           | 14.22            | 13.59                | 9.94                 | 5.02                            | 0.0077                             |                                    |
| Huancavelica                                                                    | 220           | 14.14            | 13.52                | 9.91                 | 5.02                            | 0.0077                             |                                    |
| Callahuanca                                                                     | 220           | 14.30            | 13.69                | 9.99                 | 5.02                            | 0.0077                             |                                    |
| Cajamarquilla                                                                   | 220           | 14.43            | 13.82                | 10.07                | 5.02                            | 0.0077                             | 0.07                               |
| Huallanca                                                                       | 138           | 13.76            | 13.51                | 10.04                | 5.02                            | 0.0077                             |                                    |
| Vizcarra                                                                        | 220           | 14.37            | 13.65                | 9.98                 | 5.02                            | 0.0077                             |                                    |
| Tingo María                                                                     | 220           | 14.24            | 13.33                | 9.72                 | 5.02                            | 0.0077                             |                                    |
| Aguytia                                                                         | 220           | 14.17            | 13.17                | 9.59                 | 5.02                            | 0.0077                             |                                    |
| Pucallpa                                                                        | 60            | 14.65            | 13.43                | 9.75                 | 5.02                            | 0.0077                             | 2.07                               |
| Tingo María138                                                                  | 138           | 14.23            | 13.33                | 9.71                 | 5.02                            | 0.0077                             |                                    |
| Huánuco                                                                         | 138           | 14.33            | 13.55                | 9.86                 | 5.02                            | 0.0077                             |                                    |
| Paragsha II                                                                     | 138           | 14.29            | 13.57                | 9.94                 | 5.02                            | 0.0077                             | 0.09                               |
| Oroya Nueva220                                                                  | 220           | 14.22            | 13.58                | 9.95                 | 5.02                            | 0.0077                             | 0.09                               |
| Oroya Nueva50                                                                   | 50            | 14.28            | 13.64                | 9.99                 | 5.02                            | 0.0077                             | 0.09                               |
| Carhuamayo138                                                                   | 138           | 14.34            | 13.68                | 9.98                 | 5.02                            | 0.0077                             | 0.09                               |
| Carhuamayo Nueva                                                                | 220           | 14.14            | 13.48                | 9.88                 | 5.02                            | 0.0077                             |                                    |
| Caripa                                                                          | 138           | 14.35            | 13.77                | 10.04                | 5.02                            | 0.0077                             | 0.09                               |
| Condorcocha44                                                                   | 44            | 14.43            | 13.80                | 10.07                | 5.02                            | 0.0077                             | 0.61                               |
| Machupicchu                                                                     | 138           | 14.04            | 14.01                | 10.01                | 5.02                            | 0.0077                             |                                    |
| Cachimayo                                                                       | 138           | 14.52            | 14.45                | 10.34                | 5.02                            | 0.0077                             |                                    |
| Cusco                                                                           | 138           | 14.49            | 14.45                | 10.34                | 5.02                            | 0.0077                             |                                    |
| Combapata                                                                       | 138           | 14.67            | 14.53                | 10.52                | 5.02                            | 0.0077                             |                                    |
| Tintaya                                                                         | 138           | 14.79            | 14.59                | 10.72                | 5.02                            | 0.0077                             |                                    |
| Ayaviri                                                                         | 138           | 14.50            | 14.31                | 10.53                | 5.02                            | 0.0077                             |                                    |
| Azángaro                                                                        | 138           | 14.34            | 14.15                | 10.41                | 5.02                            | 0.0077                             |                                    |
| Julica                                                                          | 138           | 14.52            | 14.29                | 10.69                | 5.02                            | 0.0077                             |                                    |
| Puno138                                                                         | 138           | 14.93            | 14.62                | 10.81                | 5.02                            | 0.0077                             |                                    |
| Puno220                                                                         | 220           | 14.94            | 14.64                | 10.82                | 5.02                            | 0.0077                             |                                    |
| Callalli                                                                        | 138           | 14.85            | 14.65                | 10.80                | 5.02                            | 0.0077                             |                                    |
| Santuario                                                                       | 138           | 14.84            | 14.48                | 10.72                | 5.02                            | 0.0077                             |                                    |
| Arequipa                                                                        | 138           | 14.94            | 14.57                | 10.76                | 5.02                            | 0.0077                             | 0.12                               |
| Socabaya220                                                                     | 220           | 14.95            | 14.55                | 10.76                | 5.02                            | 0.0077                             |                                    |
| Cerro Verde                                                                     | 138           | 14.98            | 14.60                | 10.79                | 5.02                            | 0.0077                             |                                    |
| Repartición                                                                     | 138           | 15.04            | 14.65                | 10.82                | 5.02                            | 0.0077                             |                                    |
| Mollendo                                                                        | 138           | 15.10            | 14.66                | 10.84                | 5.02                            | 0.0077                             |                                    |
| Montalvo220                                                                     | 220           | 15.03            | 14.70                | 10.89                | 5.02                            | 0.0077                             | 0.44                               |
| Montalvo                                                                        | 138           | 15.03            | 14.71                | 10.91                | 5.02                            | 0.0077                             | 0.44                               |
| Ilo                                                                             | 138           | 15.16            | 14.84                | 11.02                | 5.02                            | 0.0077                             | 0.44                               |
| Botiflaca                                                                       | 138           | 15.16            | 14.80                | 10.98                | 5.02                            | 0.0077                             | 0.44                               |
| Toquepala                                                                       | 138           | 15.18            | 14.80                | 11.01                | 5.02                            | 0.0077                             | 0.44                               |
| Aricota138                                                                      | 138           | 15.14            | 14.69                | 10.99                | 5.02                            | 0.0077                             |                                    |
| Aricota66                                                                       | 66            | 15.11            | 14.62                | 10.99                | 5.02                            | 0.0077                             |                                    |
| Tacna220 (SE Los Héroes)                                                        | 220           | 15.10            | 14.73                | 10.93                | 5.02                            | 0.0077                             |                                    |
| Tacna66 (SE Los Héroes)                                                         | 66            | 15.27            | 14.80                | 10.95                | 5.02                            | 0.0077                             | 0.51                               |
| <b>SISTEMAS AISLADOS</b>                                                        |               |                  |                      |                      |                                 |                                    |                                    |
| Adinelsa                                                                        | MT            | 22.23            | 23.40                | 23.40                |                                 |                                    |                                    |
| Chavimochic                                                                     | MT            | 22.23            | 23.40                | 23.40                |                                 |                                    |                                    |
| Edelnor                                                                         | MT            | 22.23            | 23.40                | 23.40                |                                 |                                    |                                    |
| Edelsa                                                                          | MT            | 22.23            | 23.40                | 23.40                |                                 |                                    |                                    |
| Egepsa                                                                          | MT            | 22.23            | 23.40                | 23.40                |                                 |                                    |                                    |
| Electro Oriente                                                                 | MT            | 24.99            | 45.11                | 45.11                |                                 |                                    |                                    |
| Electro Pangoa                                                                  | MT            | 22.23            | 23.40                | 23.40                |                                 |                                    |                                    |
| Electro Puno                                                                    | MT            | 24.40            | 67.45                | 67.45                |                                 |                                    |                                    |
| Electro Sur Este                                                                | MT            | 24.33            | 75.28                | 75.28                |                                 |                                    |                                    |
| Electro Sur Medio                                                               | MT            | 24.40            | 67.45                | 67.45                |                                 |                                    |                                    |
| Electro Ucayali                                                                 | MT            | 22.23            | 23.40                | 23.40                |                                 |                                    |                                    |
| Electrocentro                                                                   | MT            | 22.23            | 23.40                | 23.40                |                                 |                                    |                                    |
| Electronorte                                                                    | MT            | 22.40            | 22.52                | 22.52                |                                 |                                    |                                    |
| Emseusa                                                                         | MT            | 23.07            | 18.97                | 18.97                |                                 |                                    |                                    |
| Hidrandina                                                                      | MT            | 22.24            | 23.64                | 23.64                |                                 |                                    |                                    |
| Seal                                                                            | MT            | 23.65            | 51.23                | 51.23                |                                 |                                    |                                    |
| Sersa                                                                           | MT            | 25.02            | 45.81                | 45.81                |                                 |                                    |                                    |

1. Resolución OSINERGMIN N° 462-2008-OS/CD.  
2. Resoluciones OSINERG N° 065-2005-OS/CD, N° 146-2005-OS/CD, Resoluciones OSINERGMIN N° 169-2007-OS/CD, N° 360-2007-OS/CD, N° 463-2008-OS/CD.  
3. CPSEE, Línea 220kV Zapallal-Chimbote 1.

Peaje de Conexión al Sistemas Principal de Transmisión  
Resoluciones OSINERGMIN N° 341-2008-OS/CD, N° 462-2008-OS/CD.

| 04 DE SETIEMBRE DE 2008         |                    |
|---------------------------------|--------------------|
| Sistema de Transmisión          | PCSPT<br>\$/kW-mes |
| SPT de REP                      | 1.08               |
| SPT de San Gabán                | 0.01               |
| SPT de Antamina                 | 0.01               |
| SPT Eteselva                    | 0.17               |
| SPT de Redesar                  | 0.70               |
| SPT de Transmataro              | 1.72               |
| SPT de ISA                      | 0.52               |
| Garantía por Red Principal TGP  | 0.76               |
| Garantía por Red Principal GNLC | 0.05               |
|                                 | 5.02               |

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

| 04 DE SETIEMBRE DE 2008 |               |                                                        |                         |
|-------------------------|---------------|--------------------------------------------------------|-------------------------|
| Subestaciones Base      | Tensión<br>kV | Instalaciones Secundarias                              | CPSEE01<br>ctm. \$/kW.h |
| Paragsha II             | 138           |                                                        |                         |
| Oroya Nueva             | 220           |                                                        |                         |
| Oroya Nueva             | 50            | S.E. Oroya Nueva - Transformación 220/50/13.8 kV       | 0.0857                  |
| Carhuamayo              | 138           |                                                        |                         |
| Caripa                  | 138           |                                                        |                         |
| Condorcocha             | 44            | SST Transformación Oroya Nueva 220/50/13.8 kV          | 0.0857                  |
| Montalvo                | 220           | SST Caripa - Condorcocha, S.E. Condorcocha 138/44 kV   | 0.5213                  |
| Montalvo                | 138           |                                                        |                         |
| Ilo                     | 138           | SST de Enersur                                         | 0.4425                  |
| Botiflaca               | 138           |                                                        |                         |
| Toquepala               | 138           |                                                        |                         |
| Arequipa                | 138           | SST Santuario - Chilina 138 kV                         | 0.1168                  |
| Cajamarquilla           | 220           | SST Celda de Transformación 220kV - S.E. Cajamarquilla | 0.0670                  |
| Paramonga Existente     | 138           | SST Paramonga Nueva-Paramonga Existente                | 0.0369                  |

Peaje Secundario por Transmisión Equivalente en energía de la Subestaciones Base  
Resoluciones OSINERGMIN N° 169-2007-OS/CD, N° 360-2007-OS/CD, N° 463-2008-OS/CD, N° 577-2008-OS/CD

| 04 DE SETIEMBRE 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                                                         | 0.5121                |
| 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 | 2.0726                |
| Paramonga Existente     | 138           | SST Paramonga Nueva 220/138kV                                                                    | 0.1317                |
| Ica                     | 220           | SST Independencia - Ica 220kV                                                                    | 0.1572                |
| Marcona                 | 220           | SST Ica - Marcona 220kV                                                                          | 0.7474                |
|                         |               | Total                                                                                            | 0.9046                |

PRECIOS EN BARRA EN SUBESTACIONES BASE

| 04 DE SETIEMBRE DE 2008                   |         |           |              |              |
|-------------------------------------------|---------|-----------|--------------|--------------|
|                                           | TENSIÓN | PPB       | PEBP*        | PEBF*        |
|                                           | kV      | \$/kW-mes | ctm. \$/kW.h | ctm. \$/kW.h |
| SISTEMA ELÉCTRICO INTERCONECTADO NACIONAL |         |           |              |              |
| Talara                                    | 220     | 19.69     | 13.98        | 10.29        |
| Piura Oeste                               | 220     | 19.75     | 14.11        | 10.39        |
| Chiclayo Oeste                            | 220     | 19.61     | 14.19        | 10.44        |
| Guadalupe                                 | 220     | 19.60     | 14.28        | 10.50        |
| Guadalupe60                               | 60      | 19.58     | 14.31        | 10.52        |
| Trujillo Norte                            | 220     | 19.54     | 14.29        | 10.51        |
| Chimbote 1                                | 220     | 19.36     | 13.88        | 10.38        |
| Paramonga                                 | 220     | 19.40     | 13.86        | 10.13        |
| Paramonga138                              | 138     | 19.36     | 14.73        | 10.94        |
| Huacho                                    | 220     | 19.42     | 13.87        | 10.12        |
| Zapallal                                  | 220     | 19.43     | 13.85        | 10.07        |
| Ventaniella                               | 220     | 19.45     | 13.84        | 10.07        |
| Lima                                      | 220     | 19.52     | 13.86        | 10.10        |
| Cantera                                   | 220     | 19.45     | 13.76        | 10.07        |
| Desierto                                  | 220     | 19.44     | 12.88        | 9.86         |
| Chilca                                    | 220     | 19.44     | 13.73        | 10.03        |
| Independencia                             | 220     | 19.44     | 13.79        | 10.12        |
| Ica                                       | 220     | 19.61     | 14.10        | 10.40        |
| Marcona                                   | 220     | 20.01     | 15.15        | 11.35        |
| Mantaro                                   | 220     | 19.07     | 13.44        | 9.85         |
| Huayucachi                                | 220     | 19.17     | 13.57        | 9.92         |
| Pachachaca                                | 220     | 19.24     | 13.60        | 9.94         |
| Huancavelica                              | 220     | 19.16     | 13.53        | 9.92         |
| Callahuanca                               | 220     | 19.32     | 13.70        | 10.00        |
| Cajamarquilla                             | 220     | 19.45     | 13.89        | 10.14        |
| Huallanca                                 | 138     | 18.78     | 13.52        | 10.05        |
| Vizcarra                                  | 220     | 19.39     | 13.66        | 9.99         |
| Tingo Maria                               | 220     | 19.26     | 13.34        | 9.73         |
| Aguytia                                   | 220     | 19.19     | 13.18        | 9.60         |
| Pucallpa                                  | 60      | 19.67     | 15.51        | 11.83        |
| Tingo Maria138                            | 138     | 19.25     | 13.34        | 9.72         |
| Huánuco                                   | 138     | 19.35     | 13.55        | 9.87         |
| Paragsha II                               | 138     | 19.31     | 13.66        | 10.03        |
| Oroya Nueva220                            | 220     | 19.24     | 13.68        | 10.04        |
| Oroya Nueva50                             | 50      | 19.30     | 13.74        | 10.09        |
| Carhuamayo138                             | 138     | 19.36     | 13.77        | 10.08        |
| Carhuamayo Nueva                          | 220     | 19.16     | 13.48        | 9.88         |
| Caripa                                    | 138     | 19.37     | 13.87        | 10.14        |
| Condorcocha44                             | 44      | 19.45     | 14.41        | 10.68        |
| Machupicchu                               | 138     | 19.06     | 14.02        | 10.01        |
| Cachimayo                                 | 138     | 19.54     | 14.45        | 10.35        |
| Cusco                                     | 138     | 19.51     | 14.45        | 10.35        |
| Combapata                                 | 138     | 19.69     | 14.54        | 10.52        |
| Tintaya                                   | 138     | 19.81     | 14.60        | 10.72        |
| Ayaviri                                   | 138     | 19.52     | 14.31        | 10.54        |
| Azángaro                                  | 138     | 19.36     | 14.16        | 10.42        |
| Julica                                    | 138     | 19.81     | 14.53        | 10.70        |
| Puno138                                   | 138     | 19.95     | 14.63        | 10.82        |
| Puno220                                   | 220     | 19.96     | 14.64        | 10.83        |
| Callalli                                  | 138     | 19.87     | 14.66        | 10.81        |
| Santuario                                 | 138     | 19.86     | 14.49        | 10.72        |
| Arequipa                                  | 138     | 19.96     | 14.69        | 10.89        |
| Socabaya220                               | 220     | 19.97     | 14.56        | 10.77        |
| Cerro Verde                               | 138     | 20.00     | 14.61        | 10.80        |
| Repartición                               | 138     | 20.06     | 14.66        | 10.83        |
| Mollendo                                  | 138     | 20.12     | 14.67        | 10.84        |
| Montalvo220                               | 220     | 20.05     | 15.15        | 11.34        |
| Montalvo                                  | 138     | 20.05     | 15.16        | 11.36        |
| Ilo                                       | 138     | 20.18     | 15.29        | 11.48        |
| Botiflaca                                 | 138     | 20.18     | 15.25        | 11.43        |
| Toquepala                                 | 138     | 20.20     | 15.25        | 11.46        |
| Aricota138                                | 138     | 20.16     | 14.69        | 11.00        |
| Aricota66                                 | 66      | 20.13     | 14.63        | 11.00        |
| Tacna220 (SE Los Héroes)                  | 220     | 20.12     | 14.74        | 10.94        |
| Tacna66 (SE Los Héroes)                   | 66      | 20.29     | 15.32        | 11.47        |
| SISTEMAS AISLADOS                         |         |           |              |              |
| Adinelsa                                  | MT      | 22.23     | 23.40        | 23.40        |
| Chavimochic                               | MT      | 22.23     | 23.40        | 23.40        |
| Edelnor                                   | MT      | 22.23     | 23.40        | 23.40        |
| Edelsa                                    | MT      | 22.23     | 23.40        | 23.40        |
| Egepsa                                    | MT      | 22.23     | 23.40        | 23.40        |
| Electro Oriente                           | MT      | 24.99     | 45.11        | 45.11        |
| Electro Pangoa                            | MT      | 22.23     | 23.40        | 23.40        |
| Electro Puno                              | MT      | 24.40     | 67.45        | 67.45        |
| Electro Sur Este                          | MT      | 24.33     | 75.28        | 75.28        |
| Electro Sur Medio                         | MT      | 24.40     | 67.45        | 67.45        |
| Electro Ucayali                           | MT      | 22.23     | 23.40        | 23.40        |
| Electrocentro                             | MT      | 22.23     | 23.40        | 23.40        |
| Electronorte                              | MT      | 22.40     | 22.52        | 22.52        |
| Elmosva                                   | MT      | 23.07     | 28.97        | 18.97        |
| Hidrandina                                | MT      | 22.24     | 23.64        | 23.64        |
| Seal                                      | MT      | 23.65     | 51.23        | 51.23        |
| Sersa                                     | MT      | 25.02     | 45.81        | 45.81        |

TARIFAS A NIVEL GENERACIÓN ACTUALIZADAS EN SUBESTACIONES BASE

TARIFAS A NIVEL GENERACIÓN ACTUALIZADAS EN SUBESTACIONES BASE  
04 DE SETIEMBRE DE 2008  
Resolución OSINERGMIN N° 581-2008-OS/CD, N° 341-2008-OS/CD, N° 462-2008-OS/CD, N° 463-2008-OS/CD

|                                                  | TENSIÓN<br>kV | PPM<br>\$/kW-mes | PEMP<br>ctm. \$/kW.h | PEMF<br>ctm. \$/kW.h | PCSPT <sup>1</sup><br>\$/kW-mes | CPSEE <sup>3</sup><br>ctm. \$/kW.h | CPSEE <sup>2</sup><br>ctm. \$/kW.h |
|--------------------------------------------------|---------------|------------------|----------------------|----------------------|---------------------------------|------------------------------------|------------------------------------|
| <b>SISTEMA ELÉCTRICO INTERCONECTADO NACIONAL</b> |               |                  |                      |                      |                                 |                                    |                                    |
| Talara                                           | 220           | 14.02            | 10.31                | 7.68                 | 5.02                            | 0.0077                             |                                    |
| Piura Oeste                                      | 220           | 14.06            | 10.41                | 7.77                 | 5.02                            | 0.0077                             |                                    |
| Chiclayo Oeste                                   | 220           | 13.95            | 10.48                | 7.81                 | 5.02                            | 0.0077                             |                                    |
| Guadalupe                                        | 220           | 13.94            | 10.54                | 7.86                 | 5.02                            | 0.0077                             |                                    |
| Guadalupe60                                      | 60            | 13.92            | 10.57                | 7.88                 | 5.02                            | 0.0077                             |                                    |
| Trujillo Norte                                   | 220           | 13.88            | 10.55                | 7.87                 | 5.02                            | 0.0077                             |                                    |
| Chimbote 1                                       | 220           | 13.70            | 10.38                | 7.76                 | 5.02                            | 0.0077                             |                                    |
| Paramonga                                        | 220           | 13.75            | 10.21                | 7.55                 | 5.02                            | 0.0077                             |                                    |
| Paramonga138                                     | 138           | 13.70            | 10.77                | 8.09                 | 5.02                            | 0.0077                             | 0.17                               |
| Huacho                                           | 220           | 13.77            | 10.22                | 7.54                 | 5.02                            | 0.0077                             |                                    |
| Zapallal                                         | 220           | 13.78            | 10.20                | 7.50                 | 5.02                            | 0.0077                             |                                    |
| Ventanilla                                       | 220           | 10.19            | 7.50                 | 5.02                 | 0.0077                          |                                    |                                    |
| Lima                                             | 220           | 13.86            | 10.21                | 7.52                 | 5.02                            | 0.0077                             |                                    |
| Cantera                                          | 220           | 13.80            | 10.12                | 7.50                 | 5.02                            | 0.0077                             |                                    |
| Desierto                                         | 220           | 13.79            | 9.42                 | 7.33                 | 5.02                            | 0.0077                             |                                    |
| Chilca                                           | 220           | 13.79            | 10.11                | 7.46                 | 5.02                            | 0.0077                             |                                    |
| Independencia                                    | 220           | 13.79            | 10.15                | 7.54                 | 5.02                            | 0.0077                             |                                    |
| Ica                                              | 220           | 13.95            | 10.28                | 7.64                 | 5.02                            | 0.0077                             | 0.16                               |
| Marcona                                          | 220           | 14.33            | 10.52                | 7.81                 | 5.02                            | 0.0077                             | 0.90                               |
| Mantaro                                          | 220           | 13.43            | 9.87                 | 7.32                 | 5.02                            | 0.0077                             |                                    |
| Huayucachi                                       | 220           | 13.53            | 9.97                 | 7.38                 | 5.02                            | 0.0077                             |                                    |
| Pachachaca                                       | 220           | 13.59            | 10.00                | 7.40                 | 5.02                            | 0.0077                             |                                    |
| Huancavelica                                     | 220           | 13.52            | 9.94                 | 7.38                 | 5.02                            | 0.0077                             |                                    |
| Callahuanca                                      | 220           | 13.67            | 10.08                | 7.45                 | 5.02                            | 0.0077                             |                                    |
| Cajamarquilla                                    | 220           | 13.80            | 10.18                | 7.50                 | 5.02                            | 0.0077                             | 0.07                               |
| Huallanca                                        | 138           | 13.15            | 9.93                 | 7.48                 | 5.02                            | 0.0077                             |                                    |
| Vizcarra                                         | 220           | 13.74            | 10.05                | 7.44                 | 5.02                            | 0.0077                             |                                    |
| Tingo María                                      | 220           | 13.61            | 9.79                 | 7.22                 | 5.02                            | 0.0077                             |                                    |
| Aguytia                                          | 220           | 13.54            | 9.66                 | 7.11                 | 5.02                            | 0.0077                             |                                    |
| Pucallpa                                         | 60            | 14.00            | 9.87                 | 7.24                 | 5.02                            | 0.0077                             | 2.07                               |
| Tingo María138                                   | 138           | 13.60            | 9.79                 | 7.21                 | 5.02                            | 0.0077                             |                                    |
| Huánuco                                          | 138           | 13.69            | 9.96                 | 7.34                 | 5.02                            | 0.0077                             |                                    |
| Paragsha II                                      | 138           | 13.66            | 9.98                 | 7.40                 | 5.02                            | 0.0077                             | 0.09                               |
| Oroya Nueva220                                   | 220           | 13.59            | 9.99                 | 7.41                 | 5.02                            | 0.0077                             | 0.09                               |
| Oroya Nueva50                                    | 50            | 13.65            | 10.04                | 7.45                 | 5.02                            | 0.0077                             | 0.09                               |
| Carhuamayo138                                    | 138           | 13.70            | 10.07                | 7.44                 | 5.02                            | 0.0077                             | 0.09                               |
| Carhuamayo Nueva                                 | 220           | 13.52            | 9.91                 | 7.35                 | 5.02                            | 0.0077                             |                                    |
| Caripa                                           | 138           | 13.71            | 10.14                | 7.48                 | 5.02                            | 0.0077                             | 0.09                               |
| Condorcocha44                                    | 44            | 13.80            | 10.16                | 7.50                 | 5.02                            | 0.0077                             | 0.61                               |
| Machupicchu                                      | 138           | 13.42            | 10.33                | 7.46                 | 5.02                            | 0.0077                             |                                    |
| Cachimayo                                        | 138           | 13.88            | 10.69                | 7.73                 | 5.02                            | 0.0077                             |                                    |
| Cusco                                            | 138           | 13.85            | 10.69                | 7.73                 | 5.02                            | 0.0077                             |                                    |
| Combapata                                        | 138           | 14.02            | 10.75                | 7.88                 | 5.02                            | 0.0077                             |                                    |
| Tintaya                                          | 138           | 14.13            | 10.80                | 8.05                 | 5.02                            | 0.0077                             |                                    |
| Ayaviri                                          | 138           | 13.86            | 10.57                | 7.89                 | 5.02                            | 0.0077                             |                                    |
| Azángaro                                         | 138           | 13.70            | 10.45                | 7.79                 | 5.02                            | 0.0077                             |                                    |
| Julica                                           | 138           | 14.13            | 10.74                | 8.03                 | 5.02                            | 0.0077                             |                                    |
| Puno138                                          | 138           | 14.27            | 10.83                | 8.13                 | 5.02                            | 0.0077                             |                                    |
| Puno220                                          | 220           | 14.28            | 10.84                | 8.14                 | 5.02                            | 0.0077                             |                                    |
| Callalli                                         | 138           | 14.20            | 10.85                | 8.12                 | 5.02                            | 0.0077                             |                                    |
| Santuario                                        | 138           | 14.19            | 10.72                | 8.05                 | 5.02                            | 0.0077                             |                                    |
| Arequipa                                         | 138           | 14.28            | 10.78                | 8.09                 | 5.02                            | 0.0077                             | 0.12                               |
| Socabaya220                                      | 220           | 14.29            | 10.77                | 8.09                 | 5.02                            | 0.0077                             |                                    |
| Cerro Verde                                      | 138           | 14.32            | 10.81                | 8.11                 | 5.02                            | 0.0077                             |                                    |
| Repartición                                      | 138           | 14.38            | 10.85                | 8.14                 | 5.02                            | 0.0077                             |                                    |
| Mollendo                                         | 138           | 14.43            | 10.86                | 8.15                 | 5.02                            | 0.0077                             |                                    |
| Montalvo220                                      | 220           | 14.37            | 10.89                | 8.20                 | 5.02                            | 0.0077                             | 0.44                               |
| Montalvo                                         | 138           | 14.37            | 10.90                | 8.21                 | 5.02                            | 0.0077                             | 0.44                               |
| Ilo                                              | 138           | 14.49            | 11.00                | 8.31                 | 5.02                            | 0.0077                             | 0.44                               |
| Botiflaca                                        | 138           | 14.49            | 10.97                | 8.27                 | 5.02                            | 0.0077                             | 0.44                               |
| Toquepala                                        | 138           | 14.51            | 10.97                | 8.30                 | 5.02                            | 0.0077                             |                                    |
| Aricota138                                       | 138           | 14.47            | 10.88                | 8.28                 | 5.02                            | 0.0077                             |                                    |
| Aricota66                                        | 66            | 14.44            | 10.83                | 8.28                 | 5.02                            | 0.0077                             |                                    |
| Tacna220 (SE Los Héroes)                         | 220           | 14.43            | 10.92                | 8.23                 | 5.02                            | 0.0077                             |                                    |
| Tacna66 (SE Los Héroes)                          | 66            | 14.60            | 10.97                | 8.25                 | 5.02                            | 0.0077                             | 0.51                               |
| <b>SISTEMAS AISLADOS</b>                         |               |                  |                      |                      |                                 |                                    |                                    |
| Adinelsa                                         | MT            | 22.42            | 20.23                | 20.23                |                                 |                                    |                                    |
| Chavimochic                                      | MT            | 22.42            | 20.23                | 20.23                |                                 |                                    |                                    |
| Edelnor                                          | MT            | 22.42            | 20.23                | 20.23                |                                 |                                    |                                    |
| Edelsa                                           | MT            | 22.42            | 20.23                | 20.23                |                                 |                                    |                                    |
| Egepsa                                           | MT            | 22.42            | 20.23                | 20.23                |                                 |                                    |                                    |
| Electro Oriente                                  | MT            | 27.80            | 30.46                | 30.46                |                                 |                                    |                                    |
| Electro Pangoa                                   | MT            | 22.42            | 20.23                | 20.23                |                                 |                                    |                                    |
| Electro Puno                                     | MT            | 28.96            | 39.74                | 39.74                |                                 |                                    |                                    |
| Electro Sur Este                                 | MT            | 29.34            | 44.19                | 44.19                |                                 |                                    |                                    |
| Electro Sur Medio                                | MT            | 28.96            | 39.74                | 39.74                |                                 |                                    |                                    |
| Electro Ucayali                                  | MT            | 22.42            | 20.23                | 20.23                |                                 |                                    |                                    |
| Electrocentro                                    | MT            | 22.42            | 20.23                | 20.23                |                                 |                                    |                                    |
| Electronorte                                     | MT            | 22.60            | 19.71                | 19.71                |                                 |                                    |                                    |
| Emseusa                                          | MT            | 23.22            | 17.55                | 17.55                |                                 |                                    |                                    |
| Hidrandina                                       | MT            | 22.45            | 20.33                | 20.33                |                                 |                                    |                                    |
| Seal                                             | MT            | 26.10            | 32.09                | 32.09                |                                 |                                    |                                    |
| Sersa                                            | MT            | 27.92            | 30.80                | 30.80                |                                 |                                    |                                    |

1. Resolución OSINERGMIN N° 462-2008-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° 341-2008-OS/CD, N° 462-2008-OS/CD.

| 04 DE SETIEMBRE DE 2008         |                    |
|---------------------------------|--------------------|
| Sistema de Transmisión          | PCSPT<br>\$/kW-mes |
| SPT de REP                      | 1.08               |
| SPT de San Gabán                | 0.01               |
| SPT de Antamina                 | 0.01               |
| SPT de Eselva                   | 0.17               |
| SPT de Redesur                  | 0.70               |
| SPT de Transmataro              | 1.72               |
| SPT de ISA                      | 0.52               |
| Garantía por Red Principal TGP  | 0.76               |
| Garantía por Red Principal GNLC | 0.05               |
|                                 | 5.02               |

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

| 04 DE SETIEMBRE 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       | 0.0857                  |
| Oroya Nueva             | 220           |                                                        |                         |
| Oroya Nueva             | 50            |                                                        |                         |
| Carhuamayo              | 138           |                                                        |                         |
| Caripa                  | 138           | SST Transformación Oroya Nueva 220/50/13.8 kV          | 0.0857                  |
| Condorcocha             | 44            |                                                        |                         |
| Montalvo                | 220           | SST Caripa - Condorcocha, S.E. Condorcocha 138/44 kV   | 0.5213                  |
| Montalvo                | 138           |                                                        |                         |
| Ilo                     | 138           | SST de Enersur                                         | 0.4425                  |
| Botiflaca               | 138           |                                                        |                         |
| Toquepala               | 138           |                                                        |                         |
| Arequipa                | 138           |                                                        |                         |
| Cajamarquilla           | 220           | SST Santuario - Chilina 138 kV                         | 0.1168                  |
| Paramonga Existente     | 138           | SST Celda de Transformación 220kV - S.E. Cajamarquilla | 0.0670                  |
|                         |               |                                                        | 0.0369                  |

Peaje Secundario por Transmisión Equivalente en energía de la Subestaciones Base  
Resoluciones OSINERGMIN N° 169-2007-OS/CD, N° 360-2007-OS/CD, N° 463-2008-OS/CD, N° 577-2008-OS/CD

| 04 DE SETIEMBRE 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                                                         | 0.5121                |
| 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 | 2.0726                |
| Paramonga Existente     | 138           | SST Paramonga Nueva 220/138kV                                                                    | 0.1317                |
| Ica                     | 220           | SST Independencia - Ica 220kV                                                                    | 0.1572                |
| Marcona                 | 220           | SST Independencia - Ica 220kV                                                                    | 0.1572                |
|                         |               | SST Ica - Marcona 220kV                                                                          | 0.7474                |
|                         |               | Total                                                                                            | 0.9046                |

PRECIOS A NIVEL GENERACIÓN EN SUBESTACIONES BASE

| 04 DE SETIEMBRE DE 2008                   |         |            |             |             |
|-------------------------------------------|---------|------------|-------------|-------------|
|                                           | TENSIÓN | PPB        | PEBP        | PEBF        |
|                                           | kV      | \$/kWh-mes | ctm. \$/kWh | ctm. \$/kWh |
| SISTEMA ELÉCTRICO INTERCONECTADO NACIONAL |         |            |             |             |
| Talara                                    | 220     | 19.04      | 10.32       | 7.69        |
| Piura Oeste                               | 220     | 19.10      | 10.42       | 7.78        |
| Chiclayo Oeste                            | 220     | 18.97      | 10.49       | 7.82        |
| Guadalupe                                 | 220     | 18.96      | 10.55       | 7.87        |
| Guadalupe60                               | 60      | 18.94      | 10.58       | 7.89        |
| Trujillo Norte                            | 220     | 18.90      | 10.56       | 7.88        |
| Chimbote 1                                | 220     | 18.72      | 10.39       | 7.77        |
| Paramonga                                 | 220     | 18.77      | 10.22       | 7.56        |
| Paramonga138                              | 138     | 18.72      | 10.95       | 8.27        |
| Huacho                                    | 220     | 18.79      | 10.23       | 7.55        |
| Zapallal                                  | 220     | 18.80      | 10.21       | 7.51        |
| Ventanilla                                | 220     | 18.82      | 10.20       | 7.51        |
| Lima                                      | 220     | 18.88      | 10.22       | 7.53        |
| Cantera                                   | 220     | 18.82      | 10.13       | 7.51        |
| Desierto                                  | 220     | 18.81      | 9.43        | 7.34        |
| Chilca                                    | 220     | 18.81      | 10.12       | 7.47        |
| Independencia                             | 220     | 18.81      | 10.16       | 7.55        |
| Ica                                       | 220     | 18.97      | 10.44       | 7.80        |
| Marcona                                   | 220     | 19.35      | 11.43       | 8.72        |
| Mantaro                                   | 220     | 18.45      | 9.88        | 7.33        |
| Huayucachi                                | 220     | 18.55      | 9.98        | 7.39        |
| Pachachaca                                | 220     | 18.61      | 10.01       | 7.41        |
| Huancavelica                              | 220     | 18.54      | 9.95        | 7.39        |
| Callahuanca                               | 220     | 18.69      | 10.09       | 7.46        |
| Cajamarquilla                             | 220     | 18.82      | 10.25       | 7.57        |
| Huallanca                                 | 138     | 18.17      | 9.94        | 7.49        |
| Vizcarra                                  | 220     | 18.76      | 10.06       | 7.45        |
| Tingo María                               | 220     | 18.63      | 9.80        | 7.23        |
| Aguytia                                   | 220     | 18.56      | 9.67        | 7.12        |
| Pucallpa                                  | 60      | 19.02      | 11.95       | 9.32        |
| Tingo María138                            | 138     | 18.62      | 9.80        | 7.22        |
| Huánuco                                   | 138     | 18.71      | 9.97        | 7.35        |
| Paragsha II                               | 138     | 18.68      | 10.07       | 7.49        |
| Oroya Nueva220                            | 220     | 18.61      | 10.08       | 7.50        |
| Oroya Nueva50                             | 50      | 18.67      | 10.13       | 7.54        |
| Carhuamayo138                             | 138     | 18.72      | 10.16       | 7.53        |
| Carhuamayo Nueva                          | 220     | 18.54      | 9.92        | 7.36        |
| Caripa                                    | 138     | 18.73      | 10.23       | 7.57        |
| Condorcocha44                             | 44      | 18.82      | 10.77       | 8.11        |
| Machupicchu                               | 138     | 18.44      | 10.34       | 7.47        |
| Cachimayo                                 | 138     | 18.90      | 10.70       | 7.74        |
| Cusco                                     | 138     | 18.87      | 10.70       | 7.74        |
| Combapata                                 | 138     | 19.04      | 10.76       | 7.89        |
| Tintaya                                   | 138     | 19.15      | 10.81       | 8.06        |
| Ayaviri                                   | 138     | 18.88      | 10.58       | 7.90        |
| Azángaro                                  | 138     | 18.72      | 10.46       | 7.80        |
| Julica                                    | 138     | 19.15      | 10.75       | 8.04        |
| Puno138                                   | 138     | 19.29      | 10.84       | 8.14        |
| Puno220                                   | 220     | 19.30      | 10.85       | 8.15        |
| Callalli                                  | 138     | 19.22      | 10.86       | 8.13        |
| Santuario                                 | 138     | 19.21      | 10.73       | 8.06        |
| Arequipa                                  | 138     | 19.30      | 10.90       | 8.21        |
| Socabaya220                               | 220     | 19.31      | 10.78       | 8.10        |
| Cerro Verde                               | 138     | 19.34      | 10.82       | 8.12        |
| Repartición                               | 138     | 19.40      | 10.86       | 8.15        |
| Mollendo                                  | 138     | 19.45      | 10.87       | 8.16        |
| Montalvo220                               | 220     | 19.39      | 11.34       | 8.65        |
| Montalvo                                  | 138     | 19.39      | 11.35       | 8.66        |
| Ilo                                       | 138     | 19.51      | 11.45       | 8.76        |
| Botiflaca                                 | 138     | 19.51      | 11.42       | 8.72        |
| Toquepala                                 | 138     | 19.53      | 11.42       | 8.75        |
| Aricota138                                | 138     | 19.49      | 10.89       | 8.29        |
| Aricota66                                 | 66      | 19.46      | 10.84       | 8.29        |
| Tacna220 (SE Los Héroes)                  | 220     | 19.45      | 10.93       | 8.24        |
| Tacna66 (SE Los Héroes)                   | 66      | 19.62      | 11.49       | 8.77        |
| SISTEMAS AISLADOS                         |         |            |             |             |
| Adinelsa                                  | MT      | 22.42      | 20.23       | 20.23       |
| Chavimochic                               | MT      | 22.42      | 20.23       | 20.23       |
| Edelnor                                   | MT      | 22.42      | 20.23       | 20.23       |
| Edelsa                                    | MT      | 22.42      | 20.23       | 20.23       |
| Egepsa                                    | MT      | 22.42      | 20.23       | 20.23       |
| Electro Oriente                           | MT      | 27.80      | 30.46       | 30.46       |
| Electro Pangoa                            | MT      | 22.42      | 20.23       | 20.23       |
| Electro Puno                              | MT      | 26.96      | 39.74       | 39.74       |
| Electro Sur Este                          | MT      | 29.34      | 44.19       | 44.19       |
| Electro Sur Medio                         | MT      | 28.96      | 39.74       | 39.74       |
| Electro Ucayali                           | MT      | 22.42      | 20.23       | 20.23       |
| Electrocentro                             | MT      | 22.42      | 20.23       | 20.23       |
| Electronorte                              | MT      | 22.60      | 19.71       | 19.71       |
| Electro Pisco                             | MT      | 23.22      | 17.65       | 17.65       |
| Electrodrina                              | MT      | 22.45      | 20.33       | 20.33       |
| Electro Pisco                             | MT      | 26.10      | 32.09       | 32.09       |
| Electro Pisco                             | MT      | 27.92      | 30.80       | 30.80       |