

# PRECIOS EN BARRA DEL SEIN, PRECIOS EN BARRA Y PRECIOS EFECTIVOS DE SISTEMAS AISLADOS

TARIFAS EN BARRA (Res. N° 051-2024-OS/CD y 108-2024-OS/CD)

FIJACION AL 01/MAYO/2024

ACTUALIZADO AL 04/Mayo/2024 CON REDONDEO

|                                                                          | TENSION<br>kV | PPM<br>\$/AW-mes | PEMP<br>ctm. \$/AW/h | PEMP<br>ctm. \$/AW/h |
|--------------------------------------------------------------------------|---------------|------------------|----------------------|----------------------|
| Sistema Eléctrico Interconectado Nacional (SEIN) - Res. Barra (Cuadro 1) |               |                  |                      |                      |
| Zorritos                                                                 | 220           | 22.12            | 24.42                | 22.94                |
| Talara                                                                   | 220           | 22.12            | 24.22                | 22.79                |
| Piura Oeste                                                              | 220           | 22.12            | 24.25                | 22.83                |
| Chilayo Oeste                                                            | 220           | 22.12            | 24.11                | 22.72                |
| Carhuazero                                                               | 220           | 22.12            | 23.78                | 22.45                |
| Carhuazero                                                               | 138           | 22.12            | 23.78                | 22.44                |
| Culervo                                                                  | 138           | 22.12            | 23.99                | 22.58                |
| Jain                                                                     | 138           | 22.12            | 24.18                | 22.76                |
| Guadalupe                                                                | 220           | 22.12            | 24.03                | 22.66                |
| Guadalupe                                                                | 60            | 22.12            | 24.07                | 22.70                |
| Cajamarca                                                                | 220           | 22.12            | 23.81                | 22.47                |
| Trujillo Norte                                                           | 220           | 22.12            | 23.91                | 22.55                |
| Chimbote 1                                                               | 220           | 22.12            | 23.77                | 22.43                |
| Chimbote 1                                                               | 138           | 22.12            | 23.81                | 22.47                |
| Paramonga Nueva                                                          | 220           | 22.12            | 23.47                | 22.23                |
| Paramonga Nueva                                                          | 138           | 22.12            | 23.42                | 22.21                |
| Paramonga Existente                                                      | 138           | 22.12            | 23.28                | 22.13                |
| Huacho                                                                   | 220           | 22.12            | 23.42                | 22.20                |
| Zapallal                                                                 | 220           | 22.12            | 23.47                | 22.15                |
| Ventanilla                                                               | 220           | 22.12            | 23.50                | 22.19                |
| Lima                                                                     | 220           | 22.12            | 23.49                | 22.18                |
| Cantera                                                                  | 220           | 22.12            | 23.12                | 21.92                |
| Chilca                                                                   | 220           | 22.12            | 22.99                | 21.75                |
| Independencia                                                            | 220           | 22.12            | 23.15                | 22.01                |
| Ica                                                                      | 220           | 22.12            | 23.12                | 21.97                |
| Marcona                                                                  | 220           | 22.12            | 23.58                | 22.26                |
| Martano                                                                  | 220           | 22.12            | 22.81                | 21.61                |
| Huayucachi                                                               | 220           | 22.12            | 22.97                | 21.73                |
| Pachachaca                                                               | 220           | 22.12            | 23.12                | 21.88                |
| Pomacocha                                                                | 220           | 22.12            | 23.14                | 21.90                |
| Huanavelica                                                              | 220           | 22.12            | 22.94                | 21.73                |
| Callahuana                                                               | 220           | 22.12            | 23.23                | 21.96                |
| Cajamarquilla                                                            | 220           | 22.12            | 23.41                | 22.12                |
| Huallanca                                                                | 138           | 22.12            | 23.34                | 22.06                |
| Vizcarra                                                                 | 220           | 22.12            | 23.52                | 22.26                |
| Tingo Maria                                                              | 220           | 22.12            | 23.74                | 22.41                |
| Aquaylla                                                                 | 220           | 22.12            | 23.83                | 22.48                |
| Aquaylla                                                                 | 138           | 22.12            | 23.90                | 22.53                |
| Aquaylla                                                                 | 22.9          | 22.12            | 23.87                | 22.51                |
| Pucallpa                                                                 | 138           | 22.12            | 24.46                | 22.94                |
| Pucallpa                                                                 | 60            | 22.12            | 24.48                | 22.95                |
| Aucayacu                                                                 | 138           | 22.12            | 24.02                | 22.65                |
| Tocache                                                                  | 138           | 22.12            | 24.21                | 22.83                |
| Tingo Maria                                                              | 138           | 22.12            | 23.77                | 22.44                |
| Huancayo                                                                 | 138           | 22.12            | 23.59                | 22.24                |
| Parashga II                                                              | 138           | 22.12            | 23.13                | 21.89                |
| Parashga                                                                 | 220           | 22.12            | 23.06                | 21.83                |
| Yaupi                                                                    | 138           | 22.12            | 22.69                | 21.51                |
| Yuncan                                                                   | 138           | 22.12            | 22.83                | 21.64                |
| Yuncan                                                                   | 220           | 22.12            | 22.89                | 21.69                |
| Oroya Nueva                                                              | 220           | 22.12            | 23.07                | 21.85                |
| Oroya Nueva                                                              | 138           | 22.12            | 22.86                | 21.68                |
| Oroya Nueva                                                              | 50            | 22.12            | 22.95                | 21.76                |
| Carhuayazo                                                               | 138           | 22.12            | 22.98                | 21.76                |
| Carhuayazo Nueva                                                         | 220           | 22.12            | 23.02                | 21.80                |
| Caripa                                                                   | 138           | 22.12            | 22.72                | 21.55                |
| Desierto                                                                 | 220           | 22.12            | 23.17                | 22.00                |
| Condorcocha                                                              | 138           | 22.12            | 22.74                | 21.57                |
| Condorcocha                                                              | 44            | 22.12            | 22.74                | 21.57                |
| Madupichico                                                              | 138           | 22.12            | 23.42                | 21.89                |
| Cachimayo                                                                | 138           | 22.12            | 24.19                | 22.57                |
| Cusco                                                                    | 138           | 22.12            | 24.28                | 22.63                |
| Combapata                                                                | 138           | 22.12            | 24.65                | 22.99                |
| Tintaya                                                                  | 138           | 22.12            | 24.92                | 23.32                |
| Avayiri                                                                  | 138           | 22.12            | 24.72                | 23.12                |
| Azángaro                                                                 | 138           | 22.12            | 24.59                | 23.00                |
| San Gabán                                                                | 138           | 22.12            | 23.36                | 21.95                |
| Mazuc                                                                    | 138           | 22.12            | 23.91                | 22.22                |
| Puerto Maldonado                                                         | 138           | 22.12            | 25.34                | 22.50                |
| Julica                                                                   | 138           | 22.12            | 24.75                | 23.11                |
| Puno                                                                     | 138           | 22.12            | 24.72                | 23.09                |
| Puno                                                                     | 220           | 22.12            | 24.67                | 23.05                |
| Callalli                                                                 | 138           | 22.12            | 24.79                | 23.22                |
| Santuario                                                                | 138           | 22.12            | 24.44                | 22.90                |
| Arequipa                                                                 | 138           | 22.12            | 24.40                | 22.85                |
| Socabaya                                                                 | 220           | 22.12            | 24.37                | 22.83                |
| Cerro Verde                                                              | 138           | 22.12            | 24.48                | 22.89                |
| Repatrión                                                                | 138           | 22.12            | 24.63                | 22.92                |
| Mollendo                                                                 | 138           | 22.12            | 24.77                | 23.02                |
| Moquegua                                                                 | 220           | 22.12            | 24.36                | 22.82                |
| Moquegua                                                                 | 138           | 22.12            | 24.39                | 22.85                |
| Io ELI                                                                   | 138           | 22.12            | 24.61                | 23.02                |
| Bofilaca                                                                 | 138           | 22.12            | 24.54                | 23.00                |
| Toquepala                                                                | 138           | 22.12            | 24.59                | 23.05                |
| Aricota                                                                  | 138           | 22.12            | 24.48                | 23.03                |
| Aricota                                                                  | 66            | 22.12            | 24.43                | 23.03                |
| Taona (Los Héroes)                                                       | 220           | 22.12            | 24.45                | 22.87                |
| Taona (Los Héroes)                                                       | 66            | 22.12            | 24.53                | 22.90                |
| La Nina                                                                  | 220           | 22.12            | 24.05                | 22.66                |
| Cotacusi                                                                 | 220           | 22.12            | 23.89                | 22.34                |
| Carabayillo                                                              | 220           | 22.12            | 23.44                | 22.12                |
| La Ramada                                                                | 220           | 22.12            | 23.64                | 22.34                |
| Lomera                                                                   | 220           | 22.12            | 23.46                | 22.19                |
| Asia                                                                     | 220           | 22.12            | 23.04                | 21.81                |
| Alto Praderas                                                            | 220           | 22.12            | 23.16                | 21.89                |
| La Plancie                                                               | 220           | 22.12            | 23.47                | 22.13                |
| Belauende                                                                | 138           | 22.12            | 24.21                | 22.77                |
| Cadiz                                                                    | 220           | 22.12            | 24.06                | 22.65                |
| Medio Mundo                                                              | 220           | 22.12            | 23.45                | 22.21                |
| Tintaya Nueva                                                            | 220           | 22.12            | 24.83                | 23.24                |
| Valle Chira                                                              | 220           | 22.12            | 22.95                | 21.73                |
| Chinchua Nueva                                                           | 220           | 22.12            | 23.96                | 22.56                |
| Nazca Nueva                                                              | 220           | 22.12            | 23.04                | 21.82                |
| Chimbamba                                                                | 220           | 22.12            | 23.62                | 22.27                |

|                                                                          | TENSION<br>kV | PPM<br>\$/AW-mes | PEMP<br>ctm. \$/AW/h | PEMP<br>ctm. \$/AW/h | PCSPT<br>\$/AW-mes | CPSEE<br>ctm. \$/AW/h | (PPM+PCSPT)<br>\$/AW-mes | (PEMP+CPSEE)<br>ctm. \$/AW/h | (PEMP+CPSEE)<br>ctm. \$/AW/h | Potencia<br>ctm. \$/AW/h | Energía<br>ctm. \$/AW/h | Promedio<br>ctm. \$/AW/h |
|--------------------------------------------------------------------------|---------------|------------------|----------------------|----------------------|--------------------|-----------------------|--------------------------|------------------------------|------------------------------|--------------------------|-------------------------|--------------------------|
| Sistema Eléctrico Interconectado Nacional (SEIN) - Res. Barra (Cuadro 1) |               |                  |                      |                      |                    |                       |                          |                              |                              |                          |                         |                          |
| Zorritos                                                                 | 220           | 22.12            | 24.42                | 22.94                | 37.249             |                       | 59.37                    | 24.42                        | 22.94                        | 10.34                    | 23.23                   | 33.57                    |
| Talara                                                                   | 220           | 22.12            | 24.22                | 22.79                | 37.249             |                       | 59.37                    | 24.22                        | 22.79                        | 10.34                    | 22.97                   | 33.41                    |
| Piura Oeste                                                              | 220           | 22.12            | 24.25                | 22.83                | 37.249             |                       | 59.37                    | 24.25                        | 22.83                        | 10.34                    | 23.11                   | 33.45                    |
| Chilayo Oeste                                                            | 220           | 22.12            | 24.11                | 22.72                | 37.249             |                       | 59.37                    | 24.11                        | 22.72                        | 10.34                    | 23.00                   | 33.34                    |
| Carhuazero                                                               | 220           | 22.12            | 23.78                | 22.45                | 37.249             |                       | 59.37                    | 23.78                        | 22.45                        | 10.34                    | 22.71                   | 33.05                    |
| Carhuazero                                                               | 138           | 22.12            | 23.78                | 22.44                | 37.249             |                       | 59.37                    | 23.78                        | 22.44                        | 10.34                    | 22.71                   | 33.05                    |
| Culervo                                                                  | 138           | 22.12            | 23.99                | 22.58                | 37.249             |                       | 59.37                    | 23.99                        | 22.58                        | 10.34                    | 22.86                   | 33.20                    |
| Jain                                                                     | 138           | 22.12            | 24.18                | 22.76                | 37.249             |                       | 59.37                    | 24.18                        | 22.76                        | 10.34                    | 23.04                   | 33.38                    |
| Guadalupe                                                                | 220           | 22.12            | 24.03                | 22.66                | 37.249             |                       | 59.37                    | 24.03                        | 22.66                        | 10.34                    | 22.93                   | 33.27                    |
| Guadalupe                                                                | 60            | 22.12            | 24.07                | 22.70                | 37.249             |                       | 59.37                    | 24.07                        | 22.70                        | 10.34                    | 22.97                   | 33.31                    |
| Cajamarca                                                                | 220           | 22.12            | 23.81                | 22.47                | 37.249             |                       | 59.37                    | 23.81                        | 22.47                        | 10.34                    | 22.74                   | 33.08                    |
| Trujillo Norte                                                           | 220           | 22.12            | 23.91                | 22.55                | 37.249             |                       | 59.37                    | 23.91                        | 22.55                        | 10.34                    | 22.82                   | 33.16                    |
| Chimbote 1                                                               | 220           | 22.12            | 23.77                | 22.43                | 37.249             |                       | 59.37                    | 23.77                        | 22.43                        | 10.34                    | 22.70                   | 33.04                    |
| Chimbote 1                                                               | 138           | 22.12            | 23.81                | 22.47                | 37.249             |                       | 59.37                    | 23.81                        | 22.47                        | 10.34                    | 22.74                   | 33.08                    |
| Paramonga Nueva                                                          | 220           | 22.12            | 23.47                | 22.23                | 37.249             |                       | 59.37                    | 23.47                        | 22.23                        | 10.34                    | 22.48                   | 32.82                    |
| Paramonga Nueva                                                          | 138           | 22.12            | 23.42                | 22.21                | 37.249             |                       | 59.37                    | 23.42                        | 22.21                        | 10.34                    | 22.45                   | 32.79                    |
| Paramonga Existente                                                      | 138           | 22.12            | 23.28                | 22.13                | 37.249             |                       | 59.37                    | 23.28                        | 22.13                        | 10.34                    | 22.36                   | 32.70                    |
| Huacho                                                                   | 220           | 22.12            | 23.42                | 22.20                | 37.249             |                       | 59.37                    | 23.42                        | 22.20                        | 10.34                    | 22.44                   | 32.78                    |
| Zapallal                                                                 | 220           | 22.12            | 23.47                | 22.15                | 37.249             |                       | 59.37                    | 23.47                        | 22.15                        | 10.34                    | 22.41                   | 32.75                    |
| Ventanilla                                                               | 220           | 22.12            | 23.50                | 22.19                | 37.249             |                       | 59.37                    | 23.50                        | 22.19                        | 10.34                    | 22.45                   | 32.79                    |
| Lima                                                                     | 220           | 22.12            | 23.49                | 22.18                | 37.249             |                       | 59.37                    | 23.49                        | 22.18                        | 10.34                    | 22.44                   | 32.78                    |
| Cantera                                                                  | 220           | 22.12            | 23.12                | 21.92                | 37.249             |                       | 59.37                    | 23.12                        | 21.92                        | 10.34                    | 22.32                   | 32.56                    |
| Chilca                                                                   | 220           | 22.12            | 22.99                | 21.75                | 37.249             |                       | 59.37                    | 22.99                        | 21.75                        | 10.34                    | 22.00                   | 32.34                    |
| Independencia                                                            | 220           | 22.12            | 23.15                | 22.01                | 37.249             |                       | 59.37                    | 23.15                        | 22.01                        | 10.34                    | 22.24                   | 32.58                    |
| Ica                                                                      | 220           | 22.12            | 23.12                | 21.97                | 37.249             |                       | 59.37                    | 23.12                        | 21.97                        | 10.34                    | 22.20                   | 32.54                    |
| Marcona                                                                  | 220           | 22.12            | 23.58                | 22.26                | 37.249             |                       | 59.37                    | 23.58                        | 22.26                        | 10.34                    | 22.52                   | 32.86                    |
| Martano                                                                  | 220           | 22.12            | 22.81                | 21.61                | 37.249             |                       | 59.37                    | 22.81                        | 21.61                        | 10.34                    | 21.85                   | 32.19                    |
| Huayucachi                                                               | 220           | 22.12            | 22.97                | 21.73                | 37.249             |                       | 59.37                    | 22.97                        | 21.73                        | 10.34                    | 21.98                   | 32.32                    |
| Pachachaca                                                               | 220           | 22.12            | 23.12                | 21.88                | 37.249             |                       | 59.37                    | 23.12                        | 21.88                        | 10.34                    | 22.13                   | 32.47                    |
| Pomacocha                                                                | 220           | 22.12            | 23.14                | 21.90                | 37.249             |                       | 59.37                    | 23.14                        | 21.90                        | 10.34                    | 22.15                   | 32.49                    |
| Huanavelica                                                              | 220           | 22.12            | 22.94                | 21.73                | 37.249             |                       | 59.37                    | 22.94                        | 21.73                        | 10.34                    | 22.17                   | 32.51                    |
| Callahuana                                                               | 220           | 22.12            | 23.23                | 21.96                | 37.249             |                       | 59.37                    | 23.23                        | 21.96                        | 10.34                    | 22.21                   | 32.55                    |
| Cajamarquilla                                                            | 220           | 22.12            | 23.41                | 22.12                | 37.249             |                       | 59.37                    | 23.41                        | 22.12                        | 10.34                    | 22.38                   | 32.72                    |
| Huallanca                                                                | 138           | 22.12            | 23.34                | 22.06                | 37.249             |                       | 59.37                    | 23.34                        | 22.06                        | 10.34                    | 22.31                   | 32.65                    |
| Vizcarra                                                                 | 220           | 22.12            | 23.52                | 22.26                | 37.249             |                       | 59.37                    | 23.52                        | 22.26                        | 10.34                    | 22.51                   | 32.85                    |
| Tingo Maria                                                              | 220           | 22.12            | 23.74                | 22.41                | 37.249             |                       | 59.37                    | 23.74                        | 22.41                        | 10.34                    | 22.67                   | 33.01                    |
| Aquaylla                                                                 | 220           | 22.12            | 23.83                | 22.48                | 37.249             |                       | 59.37                    | 23.83                        | 22.48                        | 10.34                    | 22.75                   | 33.09                    |
| Aquaylla                                                                 | 138           | 22.12            | 23.90                | 22.53                | 37.249             |                       | 59.37                    | 23.90                        | 22.53                        | 10.34                    | 22.80                   | 33.14                    |
| Aquaylla                                                                 | 22.9          | 22.12            | 23.87                | 22.51                | 37.249             |                       | 59.37                    | 23.87                        | 22.51                        | 10.34                    | 22.78                   | 33.12                    |
| Pucallpa                                                                 | 138           | 22.12            | 24.46                | 22.94                | 37.249             | 1.4717                | 59.37                    | 24.46                        | 22.94                        | 10.34                    | 23.24                   | 33.58                    |
| Pucallpa                                                                 | 60            | 22.12            | 24.48                | 22.95                | 37.249             |                       | 59.37                    | 25.95                        | 24.42                        | 10.34                    | 22.72                   | 35.06                    |
| Aucayacu                                                                 | 138           | 22.12            | 24.02                | 22.65                | 37.249             |                       | 59.37                    | 24.02                        | 22.65                        | 10.34                    | 22.92                   | 33.26                    |
| Tocache                                                                  | 138           | 22.12            | 24.21                | 22.83                | 37.249             |                       | 59.37                    | 24.21                        | 22.83                        | 10.34                    | 23.10                   | 33.44                    |
| Tingo Maria                                                              | 138           | 22.12            | 23.77                | 22.44                | 37.249             |                       | 59.37                    | 23.77                        | 22.44                        | 10.34                    | 22.70                   | 33.04                    |
| Huancayo                                                                 | 138           | 22.12            | 23.59                | 22.24                | 37.249             |                       | 59.37                    | 23.59                        | 22.24                        | 10.34                    | 22.82                   | 33.21                    |
| Parashga II                                                              | 138           | 22.12            | 23.13                | 21.89                | 37.249             |                       | 59.37                    | 23.13                        | 21.89                        | 10.34                    | 22.14                   | 32.48                    |
| Parashga                                                                 | 220           | 22.12            | 23.06                | 21.83                | 37.249             |                       | 59.37                    | 23.06                        | 21.83                        | 10.34                    | 22.07                   | 32.41                    |
| Yaupi                                                                    | 138           | 22.12            | 22.69                | 21.51                | 37.249             |                       | 59.37                    | 22.69                        | 21.51                        | 10.34                    | 21.74                   | 32.08                    |
| Yuncan                                                                   | 138           | 22.12            | 22.83                | 21.64                | 37.249             |                       | 59.37                    | 22.83                        | 21.64                        | 10.34                    | 21.86                   | 32.22                    |
| Yuncan                                                                   | 220           | 22.12            | 22.89                | 21.69                | 37.249             |                       | 59.37                    | 22.89                        | 21.69                        | 10.34                    | 21.93                   | 32.                      |

### PRECIO A NIVEL DE GENERACIÓN

**VALORES BASE DEL PNG (Resolución 062-2024-OS/CD)**

FIJACIÓN AL 01/05/2024

ACTUALIZADO AL 04/Mayo/2024 CON REDONDEO

|                                                                          | TENSIÓN | PEPMo    | PEPMf                  | PEPMf                  | PEPMf                  | PEPMf                  |
|--------------------------------------------------------------------------|---------|----------|------------------------|------------------------|------------------------|------------------------|
|                                                                          | kV      | S/A/wmes | cm <sup>2</sup> /A/w/h | cm <sup>2</sup> /A/w/h | cm <sup>2</sup> /A/w/h | cm <sup>2</sup> /A/w/h |
| Sistema Eléctrico Interconectado Nacional (SEIN) - Res. Barra (Cuadro 1) |         |          |                        |                        |                        |                        |
| Cóncavo                                                                  | 220     | 26,67    | 25,01                  | 24,02                  | 24,14                  | 23,87                  |
| Talara                                                                   | 220     | 26,67    | 26,78                  | 23,86                  | 23,89                  | 23,72                  |
| Plura Oeste                                                              | 220     | 26,67    | 26,81                  | 23,90                  | 24,02                  | 23,76                  |
| Chidaro Centro                                                           | 220     | 26,67    | 26,64                  | 23,79                  | 23,89                  | 23,67                  |
| Carhuazuro                                                               | 220     | 26,67    | 26,26                  | 23,81                  | 23,58                  | 23,41                  |
| Carhuazuro                                                               | 138     | 26,67    | 26,26                  | 23,50                  | 23,58                  | 23,40                  |
| Cajamarca                                                                | 138     | 26,67    | 26,50                  | 23,64                  | 23,74                  | 23,52                  |
| Isles                                                                    | 138     | 26,67    | 26,72                  | 23,83                  | 23,83                  | 23,67                  |
| Guadalupe                                                                | 220     | 26,67    | 26,55                  | 23,73                  | 23,81                  | 23,63                  |
| Guadalupe                                                                | 60      | 26,67    | 26,60                  | 23,77                  | 23,85                  | 23,66                  |
| Quintana                                                                 | 220     | 26,67    | 26,30                  | 23,53                  | 23,61                  | 23,44                  |
| Troilo Norte                                                             | 220     | 26,67    | 26,41                  | 23,61                  | 23,69                  | 23,51                  |
| Chimote 1                                                                | 220     | 26,67    | 26,24                  | 23,49                  | 23,56                  | 23,40                  |
| Chimote 1                                                                | 138     | 26,67    | 26,29                  | 23,53                  | 23,60                  | 23,45                  |
| Paramonga Nueva                                                          | 220     | 26,67    | 26,89                  | 23,29                  | 23,34                  | 23,22                  |
| Paramonga Nueva                                                          | 138     | 26,67    | 26,83                  | 23,26                  | 23,31                  | 23,19                  |
| Paramonga Este/Norte                                                     | 138     | 26,67    | 26,17                  | 23,11                  | 23,22                  | 23,11                  |
| Huacho                                                                   | 220     | 26,67    | 26,83                  | 23,25                  | 23,29                  | 23,18                  |
| Zapalá                                                                   | 220     | 26,67    | 26,88                  | 23,20                  | 23,24                  | 23,14                  |
| Ventallina                                                               | 220     | 26,67    | 26,93                  | 23,23                  | 23,28                  | 23,17                  |
| Lima                                                                     | 220     | 26,67    | 26,92                  | 23,23                  | 23,28                  | 23,17                  |
| Caratera                                                                 | 220     | 26,67    | 26,78                  | 23,48                  | 22,96                  | 22,97                  |
| Chica                                                                    | 220     | 26,67    | 26,72                  | 23,22                  | 22,78                  | 22,81                  |
| Independencia                                                            | 220     | 26,67    | 26,52                  | 23,05                  | 23,04                  | 22,85                  |
| Ica                                                                      | 220     | 26,67    | 26,78                  | 23,48                  | 23,02                  | 22,99                  |
| Marcona                                                                  | 220     | 26,67    | 26,02                  | 23,32                  | 23,28                  | 23,36                  |
| Maricao                                                                  | 220     | 26,67    | 26,11                  | 22,63                  | 22,63                  | 22,62                  |
| Huayacachi                                                               | 220     | 26,67    | 26,70                  | 23,30                  | 22,76                  | 22,78                  |
| Pachacacha                                                               | 220     | 26,67    | 26,47                  | 22,91                  | 22,94                  | 22,88                  |
| Huancavelica                                                             | 220     | 26,67    | 26,50                  | 22,94                  | 22,94                  | 22,96                  |
| Cajavilla                                                                | 220     | 26,67    | 26,26                  | 22,77                  | 22,77                  | 22,76                  |
| Cajavilla                                                                | 220     | 26,67    | 26,60                  | 23,00                  | 23,03                  | 22,96                  |
| Cajavilla                                                                | 220     | 26,67    | 26,82                  | 23,16                  | 23,20                  | 23,00                  |
| Cajavilla                                                                | 138     | 26,67    | 26,74                  | 23,10                  | 23,17                  | 23,02                  |
| Vicarsa                                                                  | 220     | 26,67    | 26,95                  | 23,31                  | 23,37                  | 23,23                  |
| Tingo María                                                              | 220     | 26,67    | 26,20                  | 24,47                  | 23,57                  | 23,33                  |
| Aquay                                                                    | 220     | 26,67    | 26,32                  | 23,54                  | 23,66                  | 23,66                  |
| Aquay                                                                    | 138     | 26,67    | 26,39                  | 23,59                  | 23,72                  | 23,43                  |
| Aquay                                                                    | 22,9    | 26,67    | 26,36                  | 23,57                  | 23,70                  | 23,41                  |
| Aquay                                                                    | 138     | 26,67    | 26,05                  | 24,02                  | 24,21                  | 23,78                  |
| Pucallpa                                                                 | 60      | 26,67    | 26,29                  | 23,59                  | 23,72                  | 23,43                  |
| Ayacucho                                                                 | 220     | 26,67    | 26,53                  | 23,72                  | 23,85                  | 23,35                  |
| Acasachi                                                                 | 138     | 26,67    | 26,76                  | 23,98                  | 24,03                  | 23,73                  |
| Tingo María                                                              | 138     | 26,67    | 26,24                  | 23,50                  | 23,61                  | 23,36                  |
| Huancayo                                                                 | 138     | 26,67    | 26,03                  | 23,29                  | 23,37                  | 23,17                  |
| Parashachi                                                               | 138     | 26,67    | 26,49                  | 22,83                  | 22,87                  | 22,88                  |
| Parashachi                                                               | 220     | 26,67    | 26,40                  | 22,87                  | 22,90                  | 22,82                  |
| Yauli                                                                    | 138     | 26,67    | 26,97                  | 22,54                  | 22,55                  | 22,50                  |
| Yauli                                                                    | 138     | 26,67    | 26,74                  | 22,57                  | 22,59                  | 22,63                  |
| Yancay                                                                   | 220     | 26,67    | 26,21                  | 22,72                  | 22,75                  | 22,68                  |
| Oroya Nueva                                                              | 220     | 26,67    | 26,42                  | 22,88                  | 22,91                  | 22,84                  |
| Oroya Nueva                                                              | 220     | 26,67    | 26,76                  | 22,71                  | 22,73                  | 22,68                  |
| Oroya Nueva                                                              | 50      | 26,67    | 26,28                  | 22,80                  | 22,81                  | 22,77                  |
| Carhuamayo                                                               | 138     | 26,67    | 26,71                  | 23,10                  | 22,82                  | 22,76                  |
| Carhuamayo Nueva                                                         | 220     | 26,67    | 26,76                  | 23,63                  | 22,86                  | 22,79                  |
| Cajari                                                                   | 138     | 26,67    | 26,01                  | 22,58                  | 22,60                  | 22,60                  |
| Desierit                                                                 | 220     | 26,67    | 26,54                  | 23,04                  | 23,05                  | 23,03                  |
| Condorocha                                                               | 138     | 26,67    | 26,03                  | 22,60                  | 22,62                  | 22,56                  |
| Condorocha                                                               | 44      | 26,67    | 26,03                  | 22,60                  | 22,62                  | 22,56                  |
| Machupichu                                                               | 138     | 26,67    | 26,83                  | 23,93                  | 23,92                  | 22,93                  |
| Cachaymo                                                                 | 138     | 26,67    | 26,73                  | 23,63                  | 23,65                  | 23,63                  |
| Cajari                                                                   | 138     | 26,67    | 26,85                  | 23,70                  | 23,71                  | 23,68                  |
| Compañata                                                                | 138     | 26,67    | 26,28                  | 24,07                  | 24,05                  | 24,11                  |
| Yanilla                                                                  | 138     | 26,67    | 26,59                  | 24,41                  | 24,36                  | 24,51                  |
| Ayivili                                                                  | 138     | 26,67    | 26,36                  | 24,21                  | 24,15                  | 24,36                  |
| Isidoro                                                                  | 138     | 26,67    | 26,21                  | 24,08                  | 24,03                  | 24,18                  |
| San Gabán                                                                | 138     | 26,67    | 26,76                  | 22,59                  | 22,93                  | 23,06                  |
| Mazuco                                                                   | 138     | 26,67    | 26,41                  | 23,27                  | 23,24                  | 23,30                  |
| Huérto Maldonado                                                         | 138     | 26,67    | 26,09                  | 23,67                  | 23,58                  | 23,68                  |
| Julica                                                                   | 138     | 26,67    | 26,40                  | 24,19                  | 24,14                  | 24,29                  |
| Puno                                                                     | 138     | 26,67    | 26,37                  | 24,17                  | 24,11                  | 24,27                  |
| Puno                                                                     | 220     | 26,67    | 26,31                  | 24,14                  | 24,08                  | 24,24                  |
| Callali                                                                  | 138     | 26,67    | 26,44                  | 24,30                  | 24,24                  | 24,41                  |
| Santuario                                                                | 138     | 26,67    | 26,03                  | 23,88                  | 23,91                  | 24,08                  |
| Sequepa                                                                  | 138     | 26,67    | 26,59                  | 23,93                  | 23,96                  | 24,03                  |
| Sequepa                                                                  | 220     | 26,67    | 26,95                  | 23,90                  | 23,84                  | 24,00                  |
| Cerro Verde                                                              | 138     | 26,67    | 26,07                  | 23,96                  | 23,89                  | 24,08                  |
| Chaparral                                                                | 138     | 26,67    | 26,26                  | 23,99                  | 23,92                  | 24,18                  |
| Molendo                                                                  | 138     | 26,67    | 26,43                  | 24,10                  | 23,98                  | 24,29                  |
| Moquegua                                                                 | 220     | 26,67    | 26,94                  | 23,89                  | 23,81                  | 24,02                  |
| Moquegua                                                                 | 138     | 26,67    | 26,97                  | 23,92                  | 23,84                  | 24,05                  |
| M.E.U.S                                                                  | 138     | 26,67    | 26,23                  | 24,10                  | 23,99                  | 24,27                  |
| Botifaca                                                                 | 138     | 26,67    | 26,16                  | 24,08                  | 23,99                  | 24,22                  |
| Toquepala                                                                | 138     | 26,67    | 26,21                  | 24,14                  | 24,05                  | 24,28                  |
| Arcota                                                                   | 138     | 26,67    | 26,08                  | 24,12                  | 24,01                  | 24,27                  |
| Arcota                                                                   | 66      | 26,67    | 26,02                  | 24,11                  | 24,00                  | 24,28                  |
| Tacna (Los Héroes)                                                       | 220     | 26,67    | 26,07                  | 23,89                  | 23,86                  | 24,07                  |
| Tacna (Los Héroes)                                                       | 66      | 26,67    | 26,13                  | 23,97                  | 23,93                  | 24,14                  |
| La Nina                                                                  | 220     | 26,67    | 26,57                  | 23,73                  | 23,82                  | 23,62                  |
| Cotacuse                                                                 | 220     | 26,67    | 26,39                  | 23,40                  | 23,37                  | 23,43                  |
| Candayahuasi                                                             | 220     | 26,67    | 26,85                  | 23,17                  | 23,12                  | 23,21                  |
| La Ramada                                                                | 220     | 26,67    | 26,09                  | 23,39                  | 23,46                  | 23,30                  |
| Lomera                                                                   | 220     | 26,67    | 26,78                  | 23,23                  | 23,28                  | 23,17                  |
| Candayahuasi                                                             | 220     | 26,67    | 26,39                  | 23,85                  | 23,87                  | 23,81                  |
| Alto Pradars                                                             | 220     | 26,67    | 26,53                  | 23,93                  | 23,97                  | 22,87                  |
| La Planicie                                                              | 220     | 26,67    | 26,78                  | 23,18                  | 23,22                  | 23,12                  |
| Bilivand                                                                 | 138     | 26,67    | 26,76                  | 23,84                  | 23,94                  | 23,71                  |
| El Cidre                                                                 | 220     | 26,67    | 26,68                  | 23,72                  | 23,82                  | 24,03                  |
| Melo Mundo                                                               | 220     | 26,67    | 26,86                  | 23,27                  | 23,31                  | 23,20                  |
| Tripitaca Nueva                                                          | 220     | 26,67    | 26,49                  | 24,33                  | 24,28                  | 24,43                  |
| Valle Chica                                                              | 220     | 26,67    | 27,27                  | 22,77                  | 22,74                  | 22,78                  |
| Chincha Nueva                                                            | 220     | 26,67    | 26,46                  | 23,63                  | 23,70                  | 23,53                  |
| Nasca Nueva                                                              | 220     | 26,67    | 26,73                  | 22,85                  | 22,87                  | 22,83                  |
| Pisco                                                                    | 220     | 26,67    | 26,07                  | 23,30                  | 23,36                  | 23,36                  |

| ID                                                                       | TEN | PPM   | PEMP        |         | PEMF        |         | PEFM        |         | PEMFB       |         | PCST        |         | CPSEE       |         | PPM/CPSEE   |         | (PEMP/CPSEE) |         | (PEMF/CPSEE) |         | (PEFM/CPSEE) |         | (PEMFB/CPSEE) |         | Potencia - 2 Bloques |         | Potencia - 3 Bloques |         | Energía - 2 Bloques |         | Energía - 3 Bloques |         | Promedio - 2 Bloques |         | Promedio - 3 Bloques |       |       |
|--------------------------------------------------------------------------|-----|-------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|--------------|---------|--------------|---------|--------------|---------|---------------|---------|----------------------|---------|----------------------|---------|---------------------|---------|---------------------|---------|----------------------|---------|----------------------|-------|-------|
|                                                                          |     |       | cm. S/W-mes | cm. S/W | cm. S/W-mes | cm. S/W | cm. S/W-mes | cm. S/W | cm. S/W-mes | cm. S/W | cm. S/W-mes | cm. S/W | cm. S/W-mes | cm. S/W | cm. S/W-mes | cm. S/W | cm. S/W-mes  | cm. S/W | cm. S/W-mes  | cm. S/W | cm. S/W-mes  | cm. S/W | cm. S/W-mes   | cm. S/W | cm. S/W-mes          | cm. S/W | cm. S/W-mes          | cm. S/W | cm. S/W-mes         | cm. S/W | cm. S/W-mes         | cm. S/W | cm. S/W-mes          | cm. S/W | cm. S/W-mes          |       |       |
| Sistema Eléctrico Interconectado Nacional (SEIN) - Res. Barra (Cuadro 1) |     |       |             |         |             |         |             |         |             |         |             |         |             |         |             |         |              |         |              |         |              |         |               |         |                      |         |                      |         |                     |         |                     |         |                      |         |                      |       |       |
| Antares                                                                  | 220 | 28.67 | 20.01       | 20.01   | 20.01       | 20.01   | 20.01       | 20.01   | 20.01       | 20.01   | 20.01       | 20.01   | 20.01       | 20.01   | 20.01       | 20.01   | 20.01        | 20.01   | 20.01        | 20.01   | 20.01        | 20.01   | 20.01         | 20.01   | 20.01                | 20.01   | 20.01                | 20.01   | 20.01               | 20.01   | 20.01               | 20.01   | 20.01                | 20.01   | 20.01                | 20.01 |       |
| Tatara                                                                   | 220 | 28.67 | 28.78       | 28.78   | 23.86       | 23.98   | 23.72       | 23.72   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Plura Oeste                                                              | 220 | 28.67 | 28.81       | 28.81   | 23.90       | 24.02   | 23.87       | 23.87   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chiriquí Oeste                                                           | 220 | 28.67 | 28.84       | 28.84   | 23.79       | 23.89   | 23.67       | 23.67   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chiriquí                                                                 | 220 | 28.67 | 28.86       | 28.86   | 23.88       | 24.11   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Carhuazero                                                               | 138 | 28.67 | 28.26       | 28.26   | 23.50       | 23.58   | 24.00       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Culiceno                                                                 | 138 | 28.67 | 28.50       | 28.50   | 23.64       | 23.74   | 23.52       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chiriquí                                                                 | 138 | 28.67 | 28.63       | 28.63   | 23.78       | 23.87   | 23.67       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Guadalupe                                                                | 220 | 28.67 | 28.55       | 28.55   | 23.73       | 23.81   | 23.63       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Guadalupe                                                                | 60  | 28.67 | 28.60       | 28.60   | 23.77       | 23.85   | 23.66       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Guajayana                                                                | 220 | 28.67 | 28.63       | 28.63   | 23.44       | 23.44   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Triplo Norte                                                             | 220 | 28.67 | 28.41       | 28.41   | 23.61       | 23.69   | 23.51       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chimbo 1                                                                 | 220 | 28.67 | 28.24       | 28.24   | 23.69       | 23.56   | 24.00       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chimbo 1                                                                 | 138 | 28.67 | 28.63       | 28.63   | 23.45       | 23.45   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Paramonga Nueva                                                          | 220 | 28.67 | 27.89       | 27.89   | 23.29       | 23.34   | 23.22       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Paramonga Nueva                                                          | 138 | 28.67 | 27.83       | 27.83   | 23.26       | 23.31   | 23.19       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Paramonga Existente                                                      | 220 | 28.67 | 27.82       | 27.82   | 23.22       | 23.11   | 23.19       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Huachi                                                                   | 220 | 28.67 | 27.83       | 27.83   | 23.25       | 23.29   | 23.18       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Zapal                                                                    | 220 | 28.67 | 27.88       | 27.88   | 23.20       | 23.24   | 23.14       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Ventania                                                                 | 220 | 28.67 | 27.83       | 27.83   | 23.23       | 23.28   | 23.17       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chiriquí                                                                 | 220 | 28.67 | 27.83       | 27.83   | 23.17       | 23.23   | 23.02       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Cantera                                                                  | 220 | 28.67 | 27.48       | 27.48   | 22.96       | 22.97   | 22.93       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chica                                                                    | 220 | 28.67 | 27.32       | 27.32   | 22.78       | 22.81   | 22.74       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Independencia                                                            | 220 | 28.67 | 27.32       | 27.32   | 22.86       | 22.86   | 22.86       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Ica                                                                      | 220 | 28.67 | 27.48       | 27.48   | 23.02       | 22.99   | 23.04       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Morcona                                                                  | 220 | 28.67 | 28.02       | 28.02   | 23.32       | 23.28   | 23.36       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chiriquí                                                                 | 220 | 28.67 | 27.11       | 27.11   | 22.62       | 22.62   | 22.62       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Huaychachi                                                               | 220 | 28.67 | 27.30       | 27.30   | 22.76       | 22.78   | 22.73       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Pachachaca                                                               | 220 | 28.67 | 27.47       | 27.47   | 22.91       | 22.94   | 22.88       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Chiriquí                                                                 | 220 | 28.67 | 27.26       | 27.26   | 22.77       | 22.77   | 22.76       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.49 | 23.49 |
| Huanacabana                                                              | 220 | 28.67 | 27.26       | 27.26   | 22.77       | 22.77   | 22.76       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49       | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49        | 23.49   | 23.49         | 23.49   | 23.49                | 23.49   | 23.49                | 23.49   | 23.49               | 23.49   | 23.49               | 23.49   | 23.49                | 23.49   | 23.49                | 23.   |       |

**PEAJES DE CONEXIÓN AL SISTEMA PRINCIPAL DE TRANSMISIÓN (PCSPT)**  
**VALORES BASE DE LOS PEAJES (Res. N° 051-2024-OS/CD y 108-2024-OS/CD)**

Actualizado al 04/Mayo/2024 con redondeo

| Sistema de Transmisión                                                                        |                                                            | PCSPT + PTSPT (\$/kW-mes) |         |             |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------|---------|-------------|
|                                                                                               |                                                            | Valor Base (Res. Barra)   | FAPCSPT | Actualizado |
| SPT de REP                                                                                    |                                                            | 4,269                     | 1,0000  | 4,269       |
| SPT de REP (Ampliación 21)                                                                    |                                                            | 0,088                     | 0,0000  | 0,000       |
| SPT de Egemsa                                                                                 |                                                            | 0,003                     | 1,0000  | 0,003       |
| SPT de San Gabán                                                                              |                                                            | 0,004                     | 1,0000  | 0,004       |
| SPT de Antamina                                                                               |                                                            | 0,005                     | 1,0000  | 0,005       |
| SPT de ISA Perú (Ex Etesselva)                                                                |                                                            | 0,132                     | 1,0000  | 0,132       |
| SPT de Redesur                                                                                |                                                            | 0,746                     | 1,0000  | 0,746       |
| SPT de Transmataro (Contrato BOOT, Addendum N° 5 y Addendum N° 10)                            |                                                            | 2,105                     | 1,0000  | 2,105       |
| SPT de Transmataro (Addendum N° 8)                                                            |                                                            | 0,655                     | 1,0000  | 0,655       |
| SPT de Transmataro (Ampliación Adicional 1)                                                   |                                                            | 0,046                     | 1,0000  | 0,046       |
| SPT de ISA (contrato BOOT, ampliación 1 y 2)                                                  |                                                            | 0,530                     | 1,0000  | 0,530       |
| SGT Línea Chilca - Zapallal (Trazos 1 y 2)                                                    |                                                            | 0,552                     | 1,0000  | 0,552       |
| SGT Líneas Carhuamayo - Cajamarca 220 kV<br>(Trazos 1, 2, 3 y 4) y SVC-Cajamarca              | LT 220 kV Carhuamayo-Paragsha y subestaciones asociadas    | 0,922                     | 1,0000  | 0,922       |
|                                                                                               | LT. Paragsha-Conococha y subestaciones asociadas - Tramo 2 | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | Ampliación de la Subestación Cajamarca 220 kV - SVC        | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | LT 220 kV Conococha-Huallanca y subestaciones asociadas -  | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | LT 220 kV Huallanca-Cajamarca y subestaciones asociadas -  | 0,000                     | 1,0000  | 0,000       |
| SGT Línea Talara Piura 220 kV (2do circuito)                                                  |                                                            | 0,121                     | 1,0000  | 0,121       |
| SGT Línea Zapallal - Trujillo 500 kV                                                          |                                                            | 1,348                     | 1,0000  | 1,348       |
| SGT Línea Pomacocha - Carhuamayo 220 kV                                                       |                                                            | 0,130                     | 1,0000  | 0,130       |
| SGT Línea Socabaya - Tintaya 220 kV                                                           |                                                            | 0,342                     | 1,0000  | 0,342       |
| SGT Línea Chilca - Marcona - Montalvo 500 kV                                                  |                                                            | 2,483                     | 1,0000  | 2,483       |
| SGT Línea Carhuauero - Cajamarca Norte - Cáliz - Moyobamba 220 kV (1)                         |                                                            | 0,861                     | 1,0000  | 0,861       |
| SGT Línea Machupicchu - Quenocoro-Onocora-Tintaya 220 kV (1)                                  |                                                            | 0,676                     | 0,0000  | 0,000       |
| SGT Línea Tintaya - Azangaro 220 kV                                                           |                                                            | 0,096                     | 1,0000  | 0,096       |
| SGT Línea La Niña - Piura 500 kV                                                              |                                                            | 0,453                     | 0,0000  | 0,000       |
| SGT Paniñas - Nueva Tumbes 220 kV                                                             |                                                            | 0,170                     | 0,0000  | 0,000       |
| SGT Tingo María - Aquatilla 220 kV                                                            |                                                            | 0,114                     | 0,0000  | 0,000       |
| SGT Línea Trujillo - Chiclayo 500 kV                                                          |                                                            | 0,860                     | 1,0000  | 0,860       |
| SGT Línea Machupicchu - Abancay - Cotaruse 220 kV (1)                                         |                                                            | 0,595                     | 1,0000  | 0,595       |
| SGT Línea 500 kV Mantaro - Marcona-Socabaya-Montalvo y Subestaciones Asociadas (1)            |                                                            | 2,110                     | 1,0000  | 2,110       |
| Subestacion Carapongo y enlaces de conexión (1er etapa) y SE Carapongo (Monto Complementario) |                                                            | 0,332                     | 1,0000  | 0,332       |
| Refuerzo de Línea Trujillo - Chiclayo                                                         |                                                            | 0,000                     | 1,0000  | 0,000       |
| Subestacion Carapongo (Monto Complementario)                                                  |                                                            | 0,000                     | 1,0000  | 0,000       |
| Reconfiguración de LT Chilca-La Planicie-Carabaylo                                            |                                                            | 0,019                     | 0,0000  | 0,000       |
| 2do Transformador 500/220 kV - 600 MVA en la S.E. Chilca                                      |                                                            | 0,087                     | 0,0000  | 0,000       |
| Ampliación de barras 500 kV en SE Carabaylo                                                   |                                                            | 0,013                     | 0,0000  | 0,000       |
| Ampliación de la Subestación La Planicie 220 kV                                               |                                                            | 0,121                     | 1,0000  | 0,121       |
| Línea Aguaytia - Pucallpa (2 circuito)                                                        |                                                            | 0,069                     | 1,0000  | 0,069       |
| Línea Nueva Yanango - Nueva Huanuco 500 kV                                                    |                                                            | 0,922                     | 0,0000  | 0,000       |
| Línea Mantaro - Nueva Yanango - Carapongo 500 kV                                              |                                                            | 1,165                     | 1,0000  | 1,165       |
| Línea Azangaro-Juliac-Puno 220 kV                                                             |                                                            | 0,292                     | 1,0000  | 0,292       |
| Ampliación de la SE Montalvo 500/220 kV (2do Transformador)                                   |                                                            | 0,078                     | 0,0000  | 0,000       |
| Ampliación de la SE Poroma 500/220 kV (2do Transformador)                                     |                                                            | 0,081                     | 0,0000  | 0,000       |
| SE Nueva Tumbes 220/60 kV - 75 MVA                                                            |                                                            | 0,059                     | 0,0000  | 0,000       |
| Cargo Unitario por Compensación por Seguridad de Suministro (3)                               | No RF                                                      | 0,313                     | 1,0000  | 0,313       |
|                                                                                               | RF de Talara                                               | 0,981                     | 1,0000  | 0,981       |
|                                                                                               | RF de Ilo                                                  | 2,132                     | 1,0000  | 2,132       |
|                                                                                               | RF de Pucallpa                                             | 0,234                     | 1,0000  | 0,234       |
|                                                                                               | RF de Puerto Maldonado                                     | 0,135                     | 1,0000  | 0,135       |
|                                                                                               | RF de Puerto Eten                                          | 1,114                     | 1,0000  | 1,114       |
| Cargo por Prima                                                                               | Cogeneración Paramonga                                     | 0,026                     | 1,0000  | 0,026       |
|                                                                                               | C.H. Santa Cruz II                                         | 0,047                     | 1,0000  | 0,047       |
|                                                                                               | C.H. Santa Cruz I                                          | 0,041                     | 1,0000  | 0,041       |
|                                                                                               | C.H. Poechos 2                                             | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | C.H. Roncador                                              | 0,030                     | 1,0000  | 0,030       |
|                                                                                               | C.H. Carhuauero IV                                         | 0,172                     | 1,0000  | 0,172       |
|                                                                                               | C.H. Caña Brava                                            | 0,059                     | 1,0000  | 0,059       |
|                                                                                               | C.H. La Joya                                               | 0,015                     | 1,0000  | 0,015       |
|                                                                                               | C.T. Huaycoloro                                            | 0,140                     | 1,0000  | 0,140       |
|                                                                                               | C.H. Pumacana                                              | 0,000                     | 0,0000  | 0,000       |
|                                                                                               | C.H. Huasahuasi I                                          | 0,082                     | 1,0000  | 0,082       |
|                                                                                               | C.H. Huasahuasi II                                         | 0,088                     | 1,0000  | 0,088       |
|                                                                                               | C.H. Nuevo Imperial                                        | 0,017                     | 1,0000  | 0,017       |
|                                                                                               | CS Repartición Solar 20T                                   | 0,419                     | 1,0000  | 0,419       |
|                                                                                               | CS Majes Solar 20T                                         | 0,421                     | 1,0000  | 0,421       |
|                                                                                               | CS Tacna Solar 20T                                         | 0,531                     | 1,0000  | 0,531       |
|                                                                                               | CS Panamericana Solar 20T                                  | 0,543                     | 1,0000  | 0,543       |
|                                                                                               | C.H. Yanapampa                                             | 0,020                     | 1,0000  | 0,020       |
|                                                                                               | C.H. Las Pizaras                                           | 0,191                     | 1,0000  | 0,191       |
|                                                                                               | C.E. Marcona                                               | 0,201                     | 1,0000  | 0,201       |
|                                                                                               | C.E. Talara                                                | 0,194                     | 1,0000  | 0,194       |
|                                                                                               | C.E. Cupisnique                                            | 0,590                     | 1,0000  | 0,590       |
|                                                                                               | C.H. Runatullo III                                         | 0,188                     | 1,0000  | 0,188       |
|                                                                                               | C.H. Runatullo II                                          | 0,139                     | 1,0000  | 0,139       |
|                                                                                               | CSF Moquegua FV                                            | 0,219                     | 1,0000  | 0,219       |
|                                                                                               | C.H. Canchaylo                                             | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | C.T. La Gringa V                                           | 0,057                     | 1,0000  | 0,057       |
|                                                                                               | C.H. Chancay                                               | 0,114                     | 1,0000  | 0,114       |
|                                                                                               | C.H. Rucuy                                                 | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | C.E. Tres Hermanas                                         | 0,559                     | 1,0000  | 0,559       |
|                                                                                               | C.H. Potrero                                               | 0,131                     | 1,0000  | 0,131       |
|                                                                                               | C.H. Yarucaya                                              | 0,116                     | 1,0000  | 0,116       |
|                                                                                               | C.S. Rubi                                                  | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | C.H. Renovandes H1                                         | 0,071                     | 1,0000  | 0,071       |
|                                                                                               | C.S. Intipampa                                             | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | C.E. Wayra I                                               | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | C.B. Huaycoloro II                                         | 0,023                     | 1,0000  | 0,023       |
|                                                                                               | C.H. Angel I                                               | 0,091                     | 1,0000  | 0,091       |
|                                                                                               | C.H. Angel II                                              | 0,145                     | 1,0000  | 0,145       |
|                                                                                               | C.H. Angel III                                             | 0,139                     | 1,0000  | 0,139       |
|                                                                                               | C.H. Her                                                   | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | C.H. Carhuac                                               | 0,023                     | 1,0000  | 0,023       |
|                                                                                               | C.H. El Carmen                                             | 0,051                     | 1,0000  | 0,051       |
|                                                                                               | C.H. Zaña 1                                                | 0,000                     | 0,0000  | 0,000       |
|                                                                                               | C.H. Manta                                                 | 0,000                     | 1,0000  | 0,000       |
|                                                                                               | C.T. Callao                                                | 0,021                     | 1,0000  | 0,021       |
|                                                                                               | C.H. 8 de Agosto                                           | 0,113                     | 1,0000  | 0,113       |
| Cargo Unitario por FISE (3)                                                                   |                                                            | 0,414                     | 1,0000  | 0,414       |
| Cargo Unitario por Capacidad de Generación Eléctrica - CT Puerto Bravo (8)                    |                                                            | 2,584                     | 1,0000  | 2,584       |
| Cargo Unitario por Capacidad de Generación Eléctrica - CT Planta N° 2 Ilo (8)                 |                                                            | 1,9800                    | 1,0000  | 1,980       |
| Cargo Unitario por Compensación de la Confiabilidad en la Cadena de Suministro de Energía (4) |                                                            | 0,4410                    | 1,0000  | 0,441       |

PCSPT =

37,249

## Factores de Expansión de Pérdidas Medias Media Tension (Potencia y Energía)

Factores de Pérdidas en los Sistemas Secundarios de Transmisión por Áreas de Demanda según nivel de Tensión

**Factor de Expansión de Pérdidas**  
(Establecido en la Resolución de Peajes Secundarios)

**FPMdP**

**FPMdE**

| Área de Demanda | MAT    | MAT/AT | AT     | AT/MT  | MAT    | MAT/AT | AT     | AT/MT  |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1               | 1,0004 | 1,0032 | 1,0131 | 1,0035 | 1,0004 | 1,0040 | 1,0131 | 1,0040 |
| 2               | 1,0000 | 1,0031 | 1,0113 | 1,0051 | 1,0000 | 1,0032 | 1,0103 | 1,0055 |
| 3               | 1,0023 | 1,0020 | 1,0109 | 1,0042 | 1,0021 | 1,0020 | 1,0091 | 1,0050 |
| 4               | 1,0139 | 1,0023 | 1,0084 | 1,0053 | 1,0118 | 1,0027 | 1,0077 | 1,0064 |
| 5               | 1,0009 | 1,0034 | 1,0297 | 1,0049 | 1,0007 | 1,0032 | 1,0230 | 1,0060 |
| 6               | 1,0020 | 1,0040 | 1,0059 | 1,0057 | 1,0017 | 1,0041 | 1,0048 | 1,0061 |
| 7               | 1,0006 | 1,0072 | 1,0046 | 1,0054 | 1,0007 | 1,0079 | 1,0044 | 1,0059 |
| 8               | 1,0013 | 1,0030 | 1,0233 | 1,0040 | 1,0007 | 1,0033 | 1,0159 | 1,0041 |
| 9               | 1,0035 | 1,0021 | 1,0085 | 1,0026 | 1,0025 | 1,0024 | 1,0071 | 1,0033 |
| 10              | 1,0021 | 1,0025 | 1,0094 | 1,0032 | 1,0047 | 1,0031 | 1,0124 | 1,0040 |
| 11              | 1,0004 | 1,0031 | 1,0130 | 1,0040 | 1,0007 | 1,0037 | 1,0192 | 1,0050 |
| 12              | 1,0036 | 1,0000 | 1,0000 | 1,0051 | 1,0027 | 1,0000 | 1,0000 | 1,0061 |
| 13              | 1,0000 | 1,0000 | 1,0100 | 1,0102 | 1,0000 | 1,0000 | 1,0095 | 1,0072 |
| 14              | 1,0000 | 1,0000 | 1,0037 | 1,0037 | 1,0000 | 1,0000 | 1,0031 | 1,0041 |

**Factor de expansión de Pérdidas aplicable para expandir hasta MT**  
(acumulados calculados) (1/)

**FPMdP**

**FPMdE**

| Área de Demanda | Desde MAT | Desde AT (1/) | Desde MT |
|-----------------|-----------|---------------|----------|
| 1               | 1,0203    | 1,0166        | 1,0000   |
| 2               | 1,0196    | 1,0165        | 1,0000   |
| 3               | 1,0195    | 1,0151        | 1,0000   |
| 4               | 1,0302    | 1,0137        | 1,0000   |
| 5               | 1,0392    | 1,0347        | 1,0000   |
| 6               | 1,0177    | 1,0116        | 1,0000   |
| 7               | 1,0179    | 1,0100        | 1,0000   |
| 8               | 1,0318    | 1,0274        | 1,0000   |
| 9               | 1,0168    | 1,0111        | 1,0000   |
| 10              | 1,0173    | 1,0126        | 1,0000   |
| 11              | 1,0206    | 1,0171        | 1,0000   |
| 12              | 1,0087    | 1,0051        | 1,0000   |
| 13              | 1,0203    | 1,0203        | 1,0000   |
| 14              | 1,0074    | 1,0074        | 1,0000   |

| Desde MAT | Desde AT (1/) | Desde MT |
|-----------|---------------|----------|
| 1,0216    | 1,0172        | 1,0000   |
| 1,0191    | 1,0159        | 1,0000   |
| 1,0183    | 1,0141        | 1,0000   |
| 1,0289    | 1,0141        | 1,0000   |
| 1,0332    | 1,0291        | 1,0000   |
| 1,0168    | 1,0109        | 1,0000   |
| 1,0190    | 1,0103        | 1,0000   |
| 1,0241    | 1,0201        | 1,0000   |
| 1,0154    | 1,0104        | 1,0000   |
| 1,0244    | 1,0164        | 1,0000   |
| 1,0288    | 1,0243        | 1,0000   |
| 1,0088    | 1,0061        | 1,0000   |
| 1,0168    | 1,0168        | 1,0000   |
| 1,0072    | 1,0072        | 1,0000   |