

## Diagnóstico de banda ancha en el estado de Oaxaca



Unidad de Política Regulatoria

Dirección General de Compartición de Infraestructura  
Dirección de Modelos de Prestación de Servicios de Compartición

## INTRODUCCIÓN

En el marco de las atribuciones conferidas a la Dirección General de Compartición de Infraestructura por el Estatuto Orgánico del Instituto Federal de Telecomunicaciones, a través de este documento se realiza un diagnóstico de la cobertura de banda ancha fija y banda ancha móvil en el Estado de Oaxaca a nivel municipal, con el objetivo de presentar un panorama que permita a autoridades de diferentes órdenes de gobierno contar con mejores elementos para la toma de decisiones relacionadas con políticas tendientes a facilitar el despliegue de infraestructura.

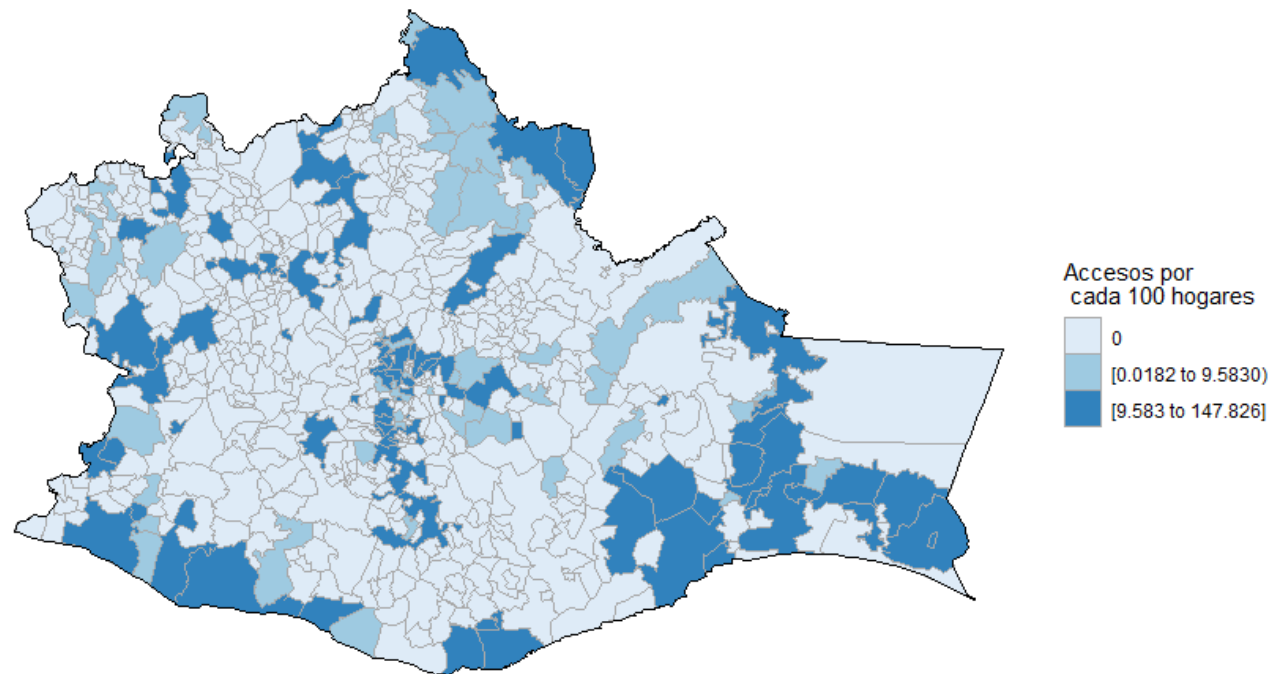
Asimismo, se ofrece información a participantes e interesados en participar en el mercado sobre el estatus en la provisión de servicios de banda ancha, las Tecnologías utilizadas y áreas de oportunidad.

Cabe destacar que los datos presentados en este documento parten de diversas fuentes, entre las cuales destacan la información de la Coordinación General de Planeación Estratégica, información recabada y generada por la Dirección General de Regulación Técnica y por la Dirección General de Compartición de Infraestructura del Instituto Federal de Telecomunicaciones, así como de datos geográficos y demográficos publicados por el Instituto Nacional de Estadística y Geografía. Los términos y acrónimos, definiciones y aspectos metodológicos se encuentran disponibles para su consulta en el documento *"Documento metodológico para el diagnóstico de cobertura de banda ancha a nivel municipal por Entidad Federativa"*.

## 1.1 DIAGNÓSTICO DE BANDA ANCHA FIJA EN OAXACA

El estado de Oaxaca se integra de 570 municipios, de los cuales 456 no cuentan con presencia de accesos para servicios fijos de Internet (de manera conjunta, en dichos municipios se encuentra 38% de la población y 37% de los hogares de dicho estado).

Oaxaca - Accesos para servicios fijos de Internet por cada 100 hogares



**Figura 1:** Diagrama de la cantidad de accesos por cada 100 habitantes a nivel municipal (**Fuente:** DGCI a partir de los datos de CGPE al tercer trimestre de 2018 e Encuesta Intercensal 2015 de INEGI)

En dicha entidad, los municipios que presentan la mayor cantidad de accesos por cada 100 habitantes y por cada 100 hogares son San Agustín Etla, Santa Cruz Amilpas Y Oaxaca de Juárez, pues respecto a ellas dichas cantidades oscilan aproximadamente entre 37 y 39 accesos por cada 100 habitantes, así como entre 134 y 148 accesos por cada 100 hogares.

Por otra parte, 24 de sus municipios<sup>1</sup> presentan los valores más pequeños de dichos parámetros, pues que poseen simultáneamente menos de 1 acceso por cada 100 habitantes y menos de 4 accesos por cada 100 hogares.

| Clave Municipio | Municipio                 | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|---------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20001           | Abejones                  | -       | 882       | 0                               | 223     | 0                            | No                                                | 0                                   | 0                                               |
| 20002           | Acatlán de Pérez Figueroa | 1,474   | 45,883    | 3.21                            | 12,644  | 11.7                         | No                                                | 1                                   | 0                                               |
| 20003           | Asunción Cacalotepec      | -       | 2,027     | 0                               | 662     | 0                            | No                                                | 0                                   | 0                                               |
| 20004           | Asunción Cuyotepeji       | -       | 930       | 0                               | 251     | 0                            | No                                                | 0                                   | 0                                               |
| 20005           | Asunción Ixtaltepec       | 625     | 15,105    | 4.14                            | 4,631   | 13.5                         | No                                                | 1                                   | 1                                               |
| 20006           | Asunción Nochixtlán       | 826     | 18,525    | 4.46                            | 4,879   | 16.9                         | Si                                                | 1                                   | 1                                               |
| 20007           | Asunción Ocotlán          | -       | 2,550     | 0                               | 815     | 0                            | No                                                | 0                                   | 0                                               |
| 20008           | Asunción Tlacolulita      | -       | 758       | 0                               | 255     | 0                            | No                                                | 0                                   | 0                                               |
| 20009           | Ayotzintepec              | 48      | 7,102     | 0.68                            | 1,869   | 2.6                          | No                                                | 1                                   | 0                                               |
| 20010           | El Barrio de La Soledad   | 1,119   | 14,277    | 7.84                            | 4,355   | 25.7                         | No                                                | 1                                   | 0                                               |

<sup>1</sup> Se trata de los municipios de Ayotzintepec, Cosolapa, Reyes Etla, San Antonio de la Cal, San Dionisio Ocotepec, San Felipe Jalapa de Díaz, San Felipe Usila, San Lucas Ojitlán, San Martín Peras, San Miguel Quetzaltepec, San Pablo Etla, San Pedro Comitancillo, San Pedro Ixcatlán, Santa Ana del Valle, Santa Ana Zegache, Santa Cruz Xitla, Santa María Colotepec, Santa María Huazolotitlán, Santa María Petapa, Santa María Tlahuitoltepec, Santa María Zacatepec, Santiago Apóstol, Santo Domingo Tepuxtepec Y Villa Díaz Ordaz .

| Clave Municipio | Municipio                      | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20011           | Calihualá                      | -       | 1,182     | 0                               | 304     | 0                            | No                                                | 0                                   | 0                                               |
| 20012           | Candelaria Loxicha             | -       | 10,497    | 0                               | 2,392   | 0                            | No                                                | 0                                   | 0                                               |
| 20013           | Ciénega de Zimatlán            | -       | 2,953     | 0                               | 866     | 0                            | No                                                | 0                                   | 0                                               |
| 20014           | Ciudad Ixtepec                 | 4,095   | 28,637    | 14.3                            | 8,252   | 49.6                         | Si                                                | 2                                   | 1                                               |
| 20015           | Coatecas Altas                 | -       | 4,823     | 0                               | 1,084   | 0                            | No                                                | 0                                   | 0                                               |
| 20016           | Coicoyán de Las Flores         | -       | 9,936     | 0                               | 1,661   | 0                            | No                                                | 0                                   | 0                                               |
| 20017           | La Compañía                    | -       | 3,365     | 0                               | 939     | 0                            | No                                                | 0                                   | 0                                               |
| 20018           | Concepción Buenavista          | -       | 803       | 0                               | 242     | 0                            | No                                                | 0                                   | 0                                               |
| 20019           | Concepción Pápalo              | -       | 2,934     | 0                               | 839     | 0                            | No                                                | 0                                   | 0                                               |
| 20020           | Constancia del Rosario         | -       | 3,947     | 0                               | 804     | 0                            | No                                                | 0                                   | 0                                               |
| 20021           | Cosolapa                       | 1       | 15,866    | 0.01                            | 4,343   | 0                            | No                                                | 1                                   | 0                                               |
| 20022           | Cosoltepec                     | -       | 716       | 0                               | 276     | 0                            | No                                                | 0                                   | 0                                               |
| 20023           | Cuicápam de Guerrero           | 597     | 21,597    | 2.76                            | 5,349   | 11.2                         | Si                                                | 1                                   | 1                                               |
| 20024           | Cuyamecalco Villa de Zaragoza  | -       | 3,643     | 0                               | 955     | 0                            | No                                                | 0                                   | 0                                               |
| 20025           | Chahuítes                      | 652     | 11,413    | 5.71                            | 3,183   | 20.5                         | No                                                | 1                                   | 0                                               |
| 20026           | Chalcatongo de Hidalgo         | -       | 9,066     | 0                               | 2,567   | 0                            | No                                                | 0                                   | 0                                               |
| 20027           | Chiquihuitlán de Benito Juárez | -       | 2,251     | 0                               | 756     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                           | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-------------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20028           | Heroica Ciudad de Ejutla de Crespo  | 886     | 20,915    | 4.24                            | 5,350   | 16.6                         | No                                                | 1                                   | 0                                               |
| 20029           | Eloxochitlán de Flores Magón        | -       | 4,135     | 0                               | 1,097   | 0                            | No                                                | 0                                   | 0                                               |
| 20030           | El Espinal                          | 860     | 8,575     | 10.03                           | 2,464   | 34.9                         | No                                                | 1                                   | 0                                               |
| 20031           | Tamazulápam del Espíritu Santo      | -       | 7,102     | 0                               | 2,006   | 0                            | No                                                | 0                                   | 0                                               |
| 20032           | Fresnillo de Trujano                | -       | 996       | 0                               | 295     | 0                            | No                                                | 0                                   | 0                                               |
| 20033           | Guadalupe Etla                      | 151     | 2,637     | 5.73                            | 694     | 21.8                         | No                                                | 1                                   | 0                                               |
| 20034           | Guadalupe de Ramírez                | -       | 1,172     | 0                               | 323     | 0                            | No                                                | 0                                   | 0                                               |
| 20035           | Guelatao de Juárez                  | -       | 531       | 0                               | 148     | 0                            | No                                                | 0                                   | 0                                               |
| 20036           | Guevea de Humboldt                  | -       | 5,409     | 0                               | 1,469   | 0                            | No                                                | 0                                   | 0                                               |
| 20037           | Mesones Hidalgo                     | -       | 4,380     | 0                               | 1,085   | 0                            | No                                                | 0                                   | 0                                               |
| 20038           | Villa Hidalgo                       | -       | 1,917     | 0                               | 522     | 0                            | No                                                | 0                                   | 0                                               |
| 20039           | Heroica Ciudad de Huajuapam de León | 8,478   | 77,547    | 10.93                           | 19,440  | 43.6                         | Si                                                | 1                                   | 1                                               |
| 20040           | Huauteppec                          | -       | 6,299     | 0                               | 1,540   | 0                            | No                                                | 0                                   | 0                                               |
| 20041           | Huautla de Jiménez                  | 512     | 31,551    | 1.62                            | 8,284   | 6.2                          | No                                                | 1                                   | 0                                               |
| 20042           | Ixtlán de Juárez                    | 229     | 8,268     | 2.77                            | 2,308   | 9.9                          | No                                                | 1                                   | 0                                               |

| Clave Municipio | Municipio                              | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|----------------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20043           | Heroica Ciudad de Juchitán de Zaragoza | 12,839  | 98,043    | 13.1                            | 25,184  | 51                           | Si                                                | 2                                   | 2                                               |
| 20044           | Loma Bonita                            | 4,011   | 42,884    | 9.35                            | 12,874  | 31.2                         | Si                                                | 3 o más                             | 0                                               |
| 20045           | Magdalena Apasco                       | -       | 8,303     | 0                               | 2,317   | 0                            | No                                                | 0                                   | 0                                               |
| 20046           | Magdalena Jaltepec                     | -       | 3,149     | 0                               | 934     | 0                            | No                                                | 0                                   | 0                                               |
| 20047           | Santa Magdalena Jicotlán               | -       | 87        | 0                               | 31      | 0                            | No                                                | 0                                   | 0                                               |
| 20048           | Magdalena Mixtepec                     | -       | 1,375     | 0                               | 238     | 0                            | No                                                | 0                                   | 0                                               |
| 20049           | Magdalena Ocotlán                      | -       | 1,146     | 0                               | 294     | 0                            | No                                                | 0                                   | 0                                               |
| 20050           | Magdalena Peñasco                      | -       | 3,381     | 0                               | 897     | 0                            | No                                                | 0                                   | 0                                               |
| 20051           | Magdalena Teitipac                     | -       | 4,563     | 0                               | 1,002   | 0                            | No                                                | 0                                   | 0                                               |
| 20052           | Magdalena Tequisistlán                 | 194     | 6,038     | 3.21                            | 1,862   | 10.4                         | No                                                | 1                                   | 0                                               |
| 20053           | Magdalena Tlacotepec                   | -       | 1,220     | 0                               | 399     | 0                            | No                                                | 0                                   | 0                                               |
| 20054           | Magdalena Zahuatlán                    | -       | 415       | 0                               | 142     | 0                            | No                                                | 0                                   | 0                                               |
| 20055           | Mariscala de Juárez                    | 75      | 3,486     | 2.15                            | 913     | 8.2                          | No                                                | 1                                   | 0                                               |
| 20056           | Mártires de Tacubaya                   | -       | 1,424     | 0                               | 401     | 0                            | No                                                | 0                                   | 0                                               |
| 20057           | Matías Romero Avendaño                 | 3,385   | 39,828    | 8.5                             | 10,770  | 31.4                         | No                                                | 1                                   | 1                                               |
| 20058           | Mazatlán Villa de Flores               | -       | 13,097    | 0                               | 3,507   | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                   | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20059           | Miahuatlán de Porfirio Díaz | 1,786   | 42,312    | 4.22                            | 11,021  | 16.2                         | Si                                                | 2                                   | 1                                               |
| 20060           | Mixistlán de La Reforma     | -       | 2,585     | 0                               | 666     | 0                            | No                                                | 0                                   | 0                                               |
| 20061           | Monjas                      | -       | 2,722     | 0                               | 699     | 0                            | No                                                | 0                                   | 0                                               |
| 20062           | Natividad                   | -       | 475       | 0                               | 141     | 0                            | No                                                | 0                                   | 0                                               |
| 20063           | Nazareno Etla               | -       | 3,910     | 0                               | 1,020   | 0                            | No                                                | 0                                   | 0                                               |
| 20064           | Nejapa de Madero            | 186     | 7,385     | 2.52                            | 2,094   | 8.9                          | No                                                | 1                                   | 0                                               |
| 20065           | Ixpantepec Nieves           | -       | 1,209     | 0                               | 377     | 0                            | No                                                | 0                                   | 0                                               |
| 20066           | Santiago Niltepec           | 210     | 5,327     | 3.94                            | 1,596   | 13.2                         | No                                                | 1                                   | 0                                               |
| 20067           | Oaxaca de Juárez            | 102,408 | 264,251   | 38.75                           | 69,276  | 147.8                        | Si                                                | 3 o más                             | 4                                               |
| 20068           | Ocotlán de Morelos          | 1,760   | 21,676    | 8.12                            | 5,427   | 32.4                         | Si                                                | 2                                   | 1                                               |
| 20069           | La Pe                       | -       | 2,632     | 0                               | 616     | 0                            | No                                                | 0                                   | 0                                               |
| 20070           | Pinotepa de Don Luis        | 284     | 6,893     | 4.12                            | 1,717   | 16.5                         | No                                                | 1                                   | 0                                               |
| 20071           | Pluma Hidalgo               | -       | 2,871     | 0                               | 681     | 0                            | No                                                | 0                                   | 0                                               |
| 20072           | San José del Progreso       | -       | 6,822     | 0                               | 1,608   | 0                            | No                                                | 0                                   | 0                                               |
| 20073           | Putla Villa de Guerrero     | 1,183   | 32,640    | 3.62                            | 8,975   | 13.2                         | No                                                | 1                                   | 1                                               |
| 20074           | Santa Catarina Quioquitani  | -       | 482       | 0                               | 127     | 0                            | No                                                | 0                                   | 0                                               |
| 20075           | Reforma de Pineda           | -       | 2,723     | 0                               | 932     | 0                            | No                                                | 0                                   | 0                                               |
| 20076           | La Reforma                  | -       | 3,256     | 0                               | 803     | 0                            | No                                                | 0                                   | 0                                               |



| Clave Municipio | Municipio                 | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|---------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20077           | Reyes Etla                | 21      | 3,757     | 0.56                            | 923     | 2.3                          | No                                                | 1                                   | 0                                               |
| 20078           | Rojas de Cuauhtémoc       | -       | 1,095     | 0                               | 316     | 0                            | No                                                | 0                                   | 0                                               |
| 20079           | Salina Cruz               | 15,948  | 89,211    | 17.88                           | 25,813  | 61.8                         | Si                                                | 3 o más                             | 2                                               |
| 20080           | San Agustín Amatengo      | -       | 1,459     | 0                               | 480     | 0                            | No                                                | 0                                   | 0                                               |
| 20081           | San Agustín Atenango      | -       | 1,760     | 0                               | 541     | 0                            | No                                                | 0                                   | 0                                               |
| 20082           | San Agustín Chayuco       | -       | 4,099     | 0                               | 1,093   | 0                            | No                                                | 0                                   | 0                                               |
| 20083           | San Agustín de Las Juntas | 1,542   | 9,342     | 16.51                           | 2,252   | 68.5                         | No                                                | 1                                   | 1                                               |
| 20084           | San Agustín Etla          | 1,488   | 3,984     | 37.35                           | 1,103   | 134.9                        | No                                                | 1                                   | 0                                               |
| 20085           | San Agustín Loxicha       | -       | 24,467    | 0                               | 4,991   | 0                            | No                                                | 0                                   | 0                                               |
| 20086           | San Agustín Tlaxiaco      | -       | 929       | 0                               | 326     | 0                            | No                                                | 0                                   | 0                                               |
| 20087           | San Agustín Yatareni      | -       | 4,334     | 0                               | 1,079   | 0                            | No                                                | 0                                   | 0                                               |
| 20088           | San Andrés Cabecera Nueva | -       | 2,819     | 0                               | 793     | 0                            | No                                                | 0                                   | 0                                               |
| 20089           | San Andrés Dinicuiti      | -       | 2,112     | 0                               | 556     | 0                            | No                                                | 0                                   | 0                                               |
| 20090           | San Andrés Huaxpaltepec   | 79      | 6,168     | 1.28                            | 1,645   | 4.8                          | No                                                | 1                                   | 0                                               |
| 20091           | San Andrés Huayápam       | 163     | 5,336     | 3.05                            | 1,416   | 11.5                         | No                                                | 1                                   | 2                                               |
| 20092           | San Andrés Ixtlahuaca     | -       | 1,604     | 0                               | 456     | 0                            | No                                                | 0                                   | 0                                               |
| 20093           | San Andrés Lagunas        | -       | 483       | 0                               | 167     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                     | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20094           | San Andrés Nuxiño             | -       | 1,756     | 0                               | 521     | 0                            | No                                                | 0                                   | 0                                               |
| 20095           | San Andrés Paxtlán            | -       | 4,295     | 0                               | 947     | 0                            | No                                                | 0                                   | 0                                               |
| 20096           | San Andrés Sinaxtla           | 46      | 716       | 6.42                            | 200     | 23                           | No                                                | 1                                   | 1                                               |
| 20097           | San Andrés Solaga             | -       | 1,671     | 0                               | 492     | 0                            | No                                                | 0                                   | 0                                               |
| 20098           | San Andrés Teotilápam         | -       | 4,425     | 0                               | 1,153   | 0                            | No                                                | 0                                   | 0                                               |
| 20099           | San Andrés Tepetlapa          | -       | 472       | 0                               | 121     | 0                            | No                                                | 0                                   | 0                                               |
| 20100           | San Andrés Yaá                | -       | 422       | 0                               | 175     | 0                            | No                                                | 0                                   | 0                                               |
| 20101           | San Andrés Zabache            | -       | 739       | 0                               | 196     | 0                            | No                                                | 0                                   | 0                                               |
| 20102           | San Andrés Zautla             | -       | 4,409     | 0                               | 1,108   | 0                            | No                                                | 0                                   | 0                                               |
| 20103           | San Antonino Castillo Velasco | -       | 6,009     | 0                               | 1,546   | 0                            | No                                                | 0                                   | 0                                               |
| 20104           | San Antonino El Alto          | -       | 2,606     | 0                               | 667     | 0                            | No                                                | 0                                   | 0                                               |
| 20105           | San Antonino Monte Verde      | -       | 7,305     | 0                               | 1,755   | 0                            | No                                                | 0                                   | 0                                               |
| 20106           | San Antonio Acutla            | -       | 249       | 0                               | 80      | 0                            | No                                                | 0                                   | 0                                               |
| 20107           | San Antonio de La Cal         | 1       | 23,038    | 0                               | 5,487   | 0                            | Si                                                | 1                                   | 2                                               |
| 20108           | San Antonio Huitepec          | -       | 4,421     | 0                               | 1,074   | 0                            | No                                                | 0                                   | 0                                               |
| 20109           | San Antonio Nanahuatipam      | -       | 1,227     | 0                               | 323     | 0                            | No                                                | 0                                   | 0                                               |
| 20110           | San Antonio Sinicahua         | -       | 1,484     | 0                               | 402     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                     | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20111           | San Antonio Tepetlapa         | -       | 4,245     | 0                               | 941     | 0                            | No                                                | 0                                   | 0                                               |
| 20112           | San Baltazar Chichicápam      | -       | 2,494     | 0                               | 834     | 0                            | No                                                | 0                                   | 0                                               |
| 20113           | San Baltazar Loxicha          | -       | 2,996     | 0                               | 777     | 0                            | No                                                | 0                                   | 0                                               |
| 20114           | San Baltazar Yatzachi El Bajo | -       | 641       | 0                               | 219     | 0                            | No                                                | 0                                   | 0                                               |
| 20115           | San Bartolo Coyotepec         | 513     | 9,105     | 5.63                            | 2,450   | 20.9                         | No                                                | 1                                   | 1                                               |
| 20116           | San Bartolomé Ayautla         | -       | 4,415     | 0                               | 1,111   | 0                            | No                                                | 0                                   | 0                                               |
| 20117           | San Bartolomé Loxicha         | -       | 2,337     | 0                               | 584     | 0                            | No                                                | 0                                   | 0                                               |
| 20118           | San Bartolomé Quialana        | -       | 2,476     | 0                               | 620     | 0                            | No                                                | 0                                   | 0                                               |
| 20119           | San Bartolomé Yucuañe         | -       | 386       | 0                               | 136     | 0                            | No                                                | 0                                   | 0                                               |
| 20120           | San Bartolomé Zoogocho        | -       | 334       | 0                               | 120     | 0                            | No                                                | 0                                   | 0                                               |
| 20121           | San Bartolo Soyaltepec        | -       | 654       | 0                               | 215     | 0                            | No                                                | 0                                   | 0                                               |
| 20122           | San Bartolo Yautepec          | -       | 636       | 0                               | 199     | 0                            | No                                                | 0                                   | 0                                               |
| 20123           | San Bernardo Mixtepec         | -       | 2,741     | 0                               | 729     | 0                            | No                                                | 0                                   | 0                                               |
| 20124           | San Blas Atempa               | -       | 18,406    | 0                               | 4,523   | 0                            | No                                                | 0                                   | 1                                               |

| Clave Municipio | Municipio                    | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20125           | San Carlos Yautepec          | -       | 12,101    | 0                               | 3,110   | 0                            | No                                                | 0                                   | 0                                               |
| 20126           | San Cristóbal Amatlán        | -       | 5,148     | 0                               | 1,244   | 0                            | No                                                | 0                                   | 0                                               |
| 20127           | San Cristóbal Amoltepec      | -       | 1,004     | 0                               | 297     | 0                            | No                                                | 0                                   | 0                                               |
| 20128           | San Cristóbal Lachirioag     | -       | 1,206     | 0                               | 433     | 0                            | No                                                | 0                                   | 0                                               |
| 20129           | San Cristóbal Suchixtlahuaca | -       | 360       | 0                               | 120     | 0                            | No                                                | 0                                   | 0                                               |
| 20130           | San Dionisio del Mar         | -       | 5,127     | 0                               | 1,490   | 0                            | No                                                | 0                                   | 0                                               |
| 20131           | San Dionisio Ocotepec        | 2       | 10,628    | 0.02                            | 2,556   | 0.1                          | Si                                                | 1                                   | 0                                               |
| 20132           | San Dionisio Ocotlán         | -       | 1,077     | 0                               | 275     | 0                            | No                                                | 0                                   | 0                                               |
| 20133           | San Esteban Atatlahuca       | -       | 3,596     | 0                               | 1,041   | 0                            | No                                                | 0                                   | 0                                               |
| 20134           | San Felipe Jalapa de Díaz    | 124     | 27,979    | 0.44                            | 6,585   | 1.9                          | No                                                | 1                                   | 0                                               |
| 20135           | San Felipe Tejalápam         | -       | 7,862     | 0                               | 1,846   | 0                            | No                                                | 0                                   | 0                                               |
| 20136           | San Felipe Usila             | 66      | 11,604    | 0.57                            | 2,739   | 2.4                          | No                                                | 1                                   | 0                                               |
| 20137           | San Francisco Cahuacuá       | -       | 3,379     | 0                               | 831     | 0                            | No                                                | 0                                   | 0                                               |
| 20138           | San Francisco Cajonos        | -       | 440       | 0                               | 165     | 0                            | No                                                | 0                                   | 0                                               |
| 20139           | San Francisco Chapulapa      | -       | 2,045     | 0                               | 525     | 0                            | No                                                | 0                                   | 0                                               |
| 20140           | San Francisco Chindúa        | -       | 791       | 0                               | 230     | 0                            | No                                                | 0                                   | 0                                               |
| 20141           | San Francisco del Mar        | -       | 7,650     | 0                               | 2,056   | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                   | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20142           | San Francisco Huehuetlán    | -       | 991       | 0                               | 315     | 0                            | No                                                | 0                                   | 0                                               |
| 20143           | San Francisco Ixhuatán      | 396     | 8,980     | 4.41                            | 2,616   | 15.1                         | No                                                | 1                                   | 0                                               |
| 20144           | San Francisco Jaltepetongo  | -       | 949       | 0                               | 314     | 0                            | No                                                | 0                                   | 0                                               |
| 20145           | San Francisco Lachigoló     | -       | 3,854     | 0                               | 1,092   | 0                            | No                                                | 0                                   | 1                                               |
| 20146           | San Francisco Logueche      | -       | 2,787     | 0                               | 653     | 0                            | No                                                | 0                                   | 0                                               |
| 20147           | San Francisco Nuxaño        | -       | 367       | 0                               | 113     | 0                            | No                                                | 0                                   | 0                                               |
| 20148           | San Francisco Ozolotepec    | -       | 1,940     | 0                               | 434     | 0                            | No                                                | 0                                   | 0                                               |
| 20149           | San Francisco Sola          | -       | 1,731     | 0                               | 421     | 0                            | No                                                | 0                                   | 0                                               |
| 20150           | San Francisco Telixtlahuaca | -       | 12,894    | 0                               | 3,096   | 0                            | No                                                | 0                                   | 0                                               |
| 20151           | San Francisco Teopan        | -       | 323       | 0                               | 95      | 0                            | No                                                | 0                                   | 0                                               |
| 20152           | San Francisco Tlapancingo   | -       | 2,109     | 0                               | 425     | 0                            | No                                                | 0                                   | 0                                               |
| 20153           | San Gabriel Mixtepec        | -       | 4,836     | 0                               | 1,226   | 0                            | No                                                | 0                                   | 0                                               |
| 20154           | San Ildefonso Amatlán       | -       | 2,407     | 0                               | 643     | 0                            | No                                                | 0                                   | 0                                               |
| 20155           | San Ildefonso Sola          | -       | 985       | 0                               | 221     | 0                            | No                                                | 0                                   | 0                                               |
| 20156           | San Ildefonso Villa Alta    | -       | 3,316     | 0                               | 1,034   | 0                            | No                                                | 0                                   | 0                                               |
| 20157           | San Jacinto Amilpas         | -       | 15,720    | 0                               | 4,392   | 0                            | No                                                | 0                                   | 1                                               |
| 20158           | San Jacinto Tlacotepec      | -       | 2,258     | 0                               | 580     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                   | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20159           | San Jerónimo Coatlán        | -       | 5,019     | 0                               | 1,104   | 0                            | No                                                | 0                                   | 0                                               |
| 20160           | San Jerónimo Silacayoapilla | -       | 1,391     | 0                               | 405     | 0                            | No                                                | 0                                   | 0                                               |
| 20161           | San Jerónimo Sosola         | -       | 2,517     | 0                               | 730     | 0                            | No                                                | 0                                   | 0                                               |
| 20162           | San Jerónimo Taviche        | -       | 1,934     | 0                               | 459     | 0                            | No                                                | 0                                   | 0                                               |
| 20163           | San Jerónimo Tecóatl        | -       | 1,590     | 0                               | 467     | 0                            | No                                                | 0                                   | 0                                               |
| 20164           | San Jorge Nuchita           | -       | 2,772     | 0                               | 749     | 0                            | No                                                | 0                                   | 0                                               |
| 20165           | San José Ayuquila           | -       | 1,512     | 0                               | 398     | 0                            | No                                                | 0                                   | 0                                               |
| 20166           | San José Chiltepec          | 223     | 12,098    | 1.84                            | 3,169   | 7                            | No                                                | 1                                   | 0                                               |
| 20167           | San José del Peñasco        | -       | 2,035     | 0                               | 505     | 0                            | No                                                | 0                                   | 0                                               |
| 20168           | San José Estancia Grande    | -       | 1,059     | 0                               | 280     | 0                            | No                                                | 0                                   | 0                                               |
| 20169           | San José Independencia      | -       | 3,867     | 0                               | 1,029   | 0                            | No                                                | 0                                   | 0                                               |
| 20170           | San José Lachiguiri         | -       | 3,251     | 0                               | 849     | 0                            | No                                                | 0                                   | 0                                               |
| 20171           | San José Tenango            | -       | 18,316    | 0                               | 4,722   | 0                            | No                                                | 0                                   | 0                                               |
| 20172           | San Juan Achiutla           | -       | 376       | 0                               | 147     | 0                            | No                                                | 0                                   | 0                                               |
| 20173           | San Juan Atepec             | -       | 1,462     | 0                               | 478     | 0                            | No                                                | 0                                   | 0                                               |
| 20174           | Ánimas Trujano              | 168     | 3,917     | 4.29                            | 1,052   | 16                           | Si                                                | 2                                   | 1                                               |

| Clave Municipio | Municipio                         | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20175           | San Juan Bautista Atlatlahuca     | -       | 1,583     | 0                               | 405     | 0                            | No                                                | 0                                   | 0                                               |
| 20176           | San Juan Bautista Coixtlahuaca    | -       | 2,687     | 0                               | 766     | 0                            | No                                                | 0                                   | 0                                               |
| 20177           | San Juan Bautista Cuicatlán       | 341     | 9,945     | 3.43                            | 2,915   | 11.7                         | No                                                | 1                                   | 0                                               |
| 20178           | San Juan Bautista Guelache        | -       | 6,874     | 0                               | 1,813   | 0                            | No                                                | 0                                   | 0                                               |
| 20179           | San Juan Bautista Jayacatlán      | -       | 1,456     | 0                               | 388     | 0                            | No                                                | 0                                   | 0                                               |
| 20180           | San Juan Bautista Lo de Soto      | -       | 2,593     | 0                               | 728     | 0                            | No                                                | 0                                   | 0                                               |
| 20181           | San Juan Bautista Suchitepec      | -       | 440       | 0                               | 151     | 0                            | No                                                | 0                                   | 0                                               |
| 20182           | San Juan Bautista Tlacoatzintepec | -       | 2,178     | 0                               | 500     | 0                            | No                                                | 0                                   | 0                                               |
| 20183           | San Juan Bautista Tlachichilco    | -       | 1,383     | 0                               | 341     | 0                            | No                                                | 0                                   | 0                                               |
| 20184           | San Juan Bautista Tuxtepec        | 17,294  | 162,511   | 10.64                           | 46,259  | 37.4                         | Si                                                | 3 o más                             | 2                                               |
| 20185           | San Juan Cacahuatepec             | 467     | 8,855     | 5.27                            | 2,261   | 20.7                         | No                                                | 1                                   | 0                                               |

| Clave Municipio | Municipio                   | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20186           | San Juan Cieneguilla        | -       | 547       | 0                               | 162     | 0                            | No                                                | 0                                   | 0                                               |
| 20187           | San Juan Coatzacoapam       | -       | 1,808     | 0                               | 510     | 0                            | No                                                | 0                                   | 0                                               |
| 20188           | San Juan Colorado           | 110     | 10,030    | 1.1                             | 2,498   | 4.4                          | No                                                | 1                                   | 0                                               |
| 20189           | San Juan Comaltepec         | -       | 2,870     | 0                               | 614     | 0                            | No                                                | 0                                   | 0                                               |
| 20190           | San Juan Cotzacón           | 283     | 23,686    | 1.19                            | 6,449   | 4.4                          | No                                                | 1                                   | 0                                               |
| 20191           | San Juan Chicomezúchil      | -       | 330       | 0                               | 100     | 0                            | No                                                | 0                                   | 0                                               |
| 20192           | San Juan Chilateca          | -       | 1,494     | 0                               | 426     | 0                            | No                                                | 0                                   | 0                                               |
| 20193           | San Juan del Estado         | -       | 2,592     | 0                               | 684     | 0                            | No                                                | 0                                   | 0                                               |
| 20194           | San Juan del Río            | -       | 1,237     | 0                               | 411     | 0                            | No                                                | 0                                   | 0                                               |
| 20195           | San Juan Diuxi              | -       | 1,071     | 0                               | 366     | 0                            | No                                                | 0                                   | 0                                               |
| 20196           | San Juan Evangelista Analco | -       | 413       | 0                               | 128     | 0                            | No                                                | 0                                   | 0                                               |
| 20197           | San Juan Guelavía           | -       | 3,212     | 0                               | 939     | 0                            | No                                                | 0                                   | 0                                               |
| 20198           | San Juan Guichicovi         | -       | 29,364    | 0                               | 8,649   | 0                            | No                                                | 0                                   | 0                                               |
| 20199           | San Juan Ihualtepec         | -       | 580       | 0                               | 155     | 0                            | No                                                | 0                                   | 0                                               |
| 20200           | San Juan Juquila Mixes      | -       | 3,726     | 0                               | 1,058   | 0                            | No                                                | 0                                   | 0                                               |
| 20201           | San Juan Juquila Vijanos    | -       | 1,953     | 0                               | 551     | 0                            | No                                                | 0                                   | 0                                               |



| Clave Municipio | Municipio            | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|----------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20202           | San Juan Lachao      | -       | 4,677     | 0                               | 995     | 0                            | No                                                | 0                                   | 0                                               |
| 20203           | San Juan Lachigalla  | -       | 3,277     | 0                               | 736     | 0                            | No                                                | 0                                   | 0                                               |
| 20204           | San Juan Lajarcia    | -       | 607       | 0                               | 191     | 0                            | No                                                | 0                                   | 0                                               |
| 20205           | San Juan Lalana      | -       | 16,972    | 0                               | 4,285   | 0                            | No                                                | 0                                   | 0                                               |
| 20206           | San Juan de Los Cués | -       | 2,444     | 0                               | 666     | 0                            | No                                                | 0                                   | 0                                               |
| 20207           | San Juan Mazatlán    | -       | 19,163    | 0                               | 4,722   | 0                            | No                                                | 0                                   | 0                                               |
| 20208           | San Juan Mixtepec    | -       | 6,680     | 0                               | 2,252   | 0                            | No                                                | 0                                   | 0                                               |
| 20209           | San Juan Mixtepec    | -       | 660       | 0                               | 199     | 0                            | No                                                | 0                                   | 0                                               |
| 20210           | San Juan Ñumí        | -       | 5,747     | 0                               | 1,520   | 0                            | No                                                | 0                                   | 0                                               |
| 20211           | San Juan Ozolotepec  | -       | 2,664     | 0                               | 589     | 0                            | No                                                | 0                                   | 0                                               |
| 20212           | San Juan Petlapa     | -       | 2,919     | 0                               | 738     | 0                            | No                                                | 0                                   | 0                                               |
| 20213           | San Juan Quiahije    | -       | 4,286     | 0                               | 772     | 0                            | No                                                | 0                                   | 0                                               |
| 20214           | San Juan Quiotepec   | -       | 1,979     | 0                               | 517     | 0                            | No                                                | 0                                   | 0                                               |
| 20215           | San Juan Sayultepec  | -       | 788       | 0                               | 224     | 0                            | No                                                | 0                                   | 0                                               |
| 20216           | San Juan Tabaá       | -       | 1,280     | 0                               | 343     | 0                            | No                                                | 0                                   | 0                                               |
| 20217           | San Juan Tamazola    | -       | 2,877     | 0                               | 807     | 0                            | No                                                | 0                                   | 0                                               |
| 20218           | San Juan Teita       | -       | 531       | 0                               | 151     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                   | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20219           | San Juan Teitipac           | -       | 2,619     | 0                               | 717     | 0                            | No                                                | 0                                   | 0                                               |
| 20220           | San Juan Tepeuxila          | -       | 2,639     | 0                               | 802     | 0                            | No                                                | 0                                   | 0                                               |
| 20221           | San Juan Teposcolula        | -       | 1,228     | 0                               | 374     | 0                            | No                                                | 0                                   | 0                                               |
| 20222           | San Juan Yaeé               | -       | 1,481     | 0                               | 464     | 0                            | No                                                | 0                                   | 0                                               |
| 20223           | San Juan Yatzona            | -       | 474       | 0                               | 130     | 0                            | No                                                | 0                                   | 0                                               |
| 20224           | San Juan Yucuita            | -       | 567       | 0                               | 169     | 0                            | No                                                | 0                                   | 0                                               |
| 20225           | San Lorenzo                 | -       | 6,101     | 0                               | 1,558   | 0                            | No                                                | 0                                   | 0                                               |
| 20226           | San Lorenzo Albarradas      | -       | 2,723     | 0                               | 762     | 0                            | No                                                | 0                                   | 0                                               |
| 20227           | San Lorenzo Cacaotepec      | 1,153   | 15,735    | 7.33                            | 4,121   | 28                           | No                                                | 1                                   | 0                                               |
| 20228           | San Lorenzo Cuaunecuiltitla | -       | 807       | 0                               | 190     | 0                            | No                                                | 0                                   | 0                                               |
| 20229           | San Lorenzo Texmelúcan      | -       | 8,323     | 0                               | 1,589   | 0                            | No                                                | 0                                   | 0                                               |
| 20230           | San Lorenzo Victoria        | -       | 942       | 0                               | 269     | 0                            | No                                                | 0                                   | 0                                               |
| 20231           | San Lucas Camotlán          | -       | 2,961     | 0                               | 699     | 0                            | No                                                | 0                                   | 0                                               |
| 20232           | San Lucas Ojitlán           | 85      | 20,085    | 0.42                            | 4,919   | 1.7                          | No                                                | 1                                   | 0                                               |
| 20233           | San Lucas Quiavini          | -       | 1,736     | 0                               | 444     | 0                            | No                                                | 0                                   | 0                                               |
| 20234           | San Lucas Zoquiápam         | -       | 7,250     | 0                               | 1,911   | 0                            | No                                                | 0                                   | 0                                               |
| 20235           | San Luis Amatlán            | -       | 3,642     | 0                               | 1,024   | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                  | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20236           | San Marcial Ozolotepec     | -       | 1,557     | 0                               | 377     | 0                            | No                                                | 0                                   | 0                                               |
| 20237           | San Marcos Arteaga         | -       | 1,422     | 0                               | 413     | 0                            | No                                                | 0                                   | 0                                               |
| 20238           | San Martín de Los Cansecos | -       | 851       | 0                               | 219     | 0                            | No                                                | 0                                   | 0                                               |
| 20239           | San Martín Huamelúlpam     | -       | 1,010     | 0                               | 314     | 0                            | No                                                | 0                                   | 0                                               |
| 20240           | San Martín Itunyoso        | -       | 2,298     | 0                               | 517     | 0                            | No                                                | 0                                   | 0                                               |
| 20241           | San Martín Lachilá         | -       | 1,087     | 0                               | 319     | 0                            | No                                                | 0                                   | 0                                               |
| 20242           | San Martín Peras           | 38      | 12,246    | 0.31                            | 2,014   | 1.9                          | No                                                | 1                                   | 0                                               |
| 20243           | San Martín Tilcajete       | -       | 1,821     | 0                               | 454     | 0                            | No                                                | 0                                   | 0                                               |
| 20244           | San Martín Tlaxpalan       | -       | 3,787     | 0                               | 967     | 0                            | No                                                | 0                                   | 0                                               |
| 20245           | San Martín Zacatepec       | -       | 1,265     | 0                               | 338     | 0                            | No                                                | 0                                   | 0                                               |
| 20246           | San Mateo Cajonos          | -       | 616       | 0                               | 188     | 0                            | No                                                | 0                                   | 0                                               |
| 20247           | Capulálpam de Méndez       | -       | 1,549     | 0                               | 416     | 0                            | No                                                | 0                                   | 0                                               |
| 20248           | San Mateo del Mar          | -       | 14,835    | 0                               | 3,412   | 0                            | No                                                | 0                                   | 0                                               |
| 20249           | San Mateo Yoloxochitlán    | -       | 3,614     | 0                               | 901     | 0                            | No                                                | 0                                   | 0                                               |
| 20250           | San Mateo Etlatongo        | -       | 1,107     | 0                               | 317     | 0                            | No                                                | 0                                   | 0                                               |
| 20251           | San Mateo Nejápam          | -       | 1,144     | 0                               | 266     | 0                            | No                                                | 0                                   | 0                                               |
| 20252           | San Mateo Peñasco          | -       | 2,062     | 0                               | 602     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20253           | San Mateo Piñas          | -       | 2,084     | 0                               | 614     | 0                            | No                                                | 0                                   | 0                                               |
| 20254           | San Mateo Río Hondo      | -       | 3,133     | 0                               | 821     | 0                            | No                                                | 0                                   | 0                                               |
| 20255           | San Mateo Sindihui       | -       | 2,019     | 0                               | 536     | 0                            | No                                                | 0                                   | 0                                               |
| 20256           | San Mateo Tlapiltepec    | -       | 224       | 0                               | 62      | 0                            | No                                                | 0                                   | 0                                               |
| 20257           | San Melchor Betaza       | -       | 986       | 0                               | 302     | 0                            | No                                                | 0                                   | 0                                               |
| 20258           | San Miguel Achiutla      | -       | 712       | 0                               | 235     | 0                            | No                                                | 0                                   | 0                                               |
| 20259           | San Miguel Ahuehuetitlán | -       | 2,360     | 0                               | 504     | 0                            | No                                                | 0                                   | 0                                               |
| 20260           | San Miguel Aloápam       | -       | 2,172     | 0                               | 563     | 0                            | No                                                | 0                                   | 0                                               |
| 20261           | San Miguel Amatitlán     | -       | 7,549     | 0                               | 1,695   | 0                            | No                                                | 0                                   | 0                                               |
| 20262           | San Miguel Amatlán       | -       | 993       | 0                               | 285     | 0                            | No                                                | 0                                   | 0                                               |
| 20263           | San Miguel Coatlán       | -       | 3,178     | 0                               | 789     | 0                            | No                                                | 0                                   | 0                                               |
| 20264           | San Miguel Chicahua      | -       | 2,097     | 0                               | 592     | 0                            | No                                                | 0                                   | 0                                               |
| 20265           | San Miguel Chimalapa     | -       | 6,817     | 0                               | 1,836   | 0                            | No                                                | 0                                   | 0                                               |
| 20266           | San Miguel del Puerto    | -       | 8,362     | 0                               | 2,074   | 0                            | No                                                | 0                                   | 0                                               |
| 20267           | San Miguel del Río       | -       | 244       | 0                               | 79      | 0                            | No                                                | 0                                   | 0                                               |
| 20268           | San Miguel Ejutla        | -       | 1,014     | 0                               | 241     | 0                            | No                                                | 0                                   | 0                                               |
| 20269           | San Miguel El Grande     | -       | 4,109     | 0                               | 1,368   | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20270           | San Miguel Huautla       | -       | 1,094     | 0                               | 314     | 0                            | No                                                | 0                                   | 0                                               |
| 20271           | San Miguel Mixtepec      | -       | 2,644     | 0                               | 502     | 0                            | No                                                | 0                                   | 0                                               |
| 20272           | San Miguel Panixtlahuaca | -       | 6,422     | 0                               | 1,178   | 0                            | No                                                | 0                                   | 0                                               |
| 20273           | San Miguel Peras         | -       | 3,287     | 0                               | 778     | 0                            | No                                                | 0                                   | 0                                               |
| 20274           | San Miguel Piedras       | -       | 1,271     | 0                               | 307     | 0                            | No                                                | 0                                   | 0                                               |
| 20275           | San Miguel Quetzaltepec  | 12      | 8,119     | 0.15                            | 2,133   | 0.6                          | No                                                | 1                                   | 0                                               |
| 20276           | San Miguel Santa Flor    | -       | 702       | 0                               | 200     | 0                            | No                                                | 0                                   | 0                                               |
| 20277           | Villa Sola de Vega       | -       | 12,425    | 0                               | 2,948   | 0                            | No                                                | 0                                   | 0                                               |
| 20278           | San Miguel Soyaltepec    | 605     | 39,680    | 1.52                            | 10,205  | 5.9                          | No                                                | 1                                   | 0                                               |
| 20279           | San Miguel Suchixtepec   | -       | 2,665     | 0                               | 671     | 0                            | No                                                | 0                                   | 0                                               |
| 20280           | Villa Talea de Castro    | -       | 2,279     | 0                               | 733     | 0                            | No                                                | 0                                   | 0                                               |
| 20281           | San Miguel Tecomatlán    | -       | 266       | 0                               | 94      | 0                            | No                                                | 0                                   | 0                                               |
| 20282           | San Miguel Tenango       | -       | 729       | 0                               | 210     | 0                            | No                                                | 0                                   | 0                                               |
| 20283           | San Miguel Tequixtepec   | -       | 997       | 0                               | 275     | 0                            | No                                                | 0                                   | 0                                               |
| 20284           | San Miguel Tilquiápam    | -       | 3,149     | 0                               | 699     | 0                            | No                                                | 0                                   | 0                                               |
| 20285           | San Miguel Tlacamama     | -       | 3,662     | 0                               | 900     | 0                            | No                                                | 0                                   | 0                                               |
| 20286           | San Miguel Tlacotepec    | -       | 3,164     | 0                               | 878     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20287           | San Miguel Tulancingo    | -       | 296       | 0                               | 101     | 0                            | No                                                | 0                                   | 0                                               |
| 20288           | San Miguel Yotao         | -       | 593       | 0                               | 184     | 0                            | No                                                | 0                                   | 0                                               |
| 20289           | San Nicolás              | -       | 1,135     | 0                               | 333     | 0                            | No                                                | 0                                   | 0                                               |
| 20290           | San Nicolás Hidalgo      | -       | 975       | 0                               | 232     | 0                            | No                                                | 0                                   | 0                                               |
| 20291           | San Pablo Coatlán        | -       | 4,245     | 0                               | 1,026   | 0                            | No                                                | 0                                   | 0                                               |
| 20292           | San Pablo Cuatro Venados | -       | 1,411     | 0                               | 294     | 0                            | No                                                | 0                                   | 0                                               |
| 20293           | San Pablo Etla           | 5       | 15,993    | 0.03                            | 4,639   | 0.1                          | No                                                | 1                                   | 0                                               |
| 20294           | San Pablo Huitzo         | 327     | 7,024     | 4.66                            | 1,859   | 17.6                         | No                                                | 1                                   | 0                                               |
| 20295           | San Pablo Huixtepec      | 350     | 9,313     | 3.76                            | 2,429   | 14.4                         | No                                                | 1                                   | 0                                               |
| 20296           | San Pablo Macuiltianguis | -       | 890       | 0                               | 271     | 0                            | No                                                | 0                                   | 0                                               |
| 20297           | San Pablo Tijaltepec     | -       | 2,504     | 0                               | 526     | 0                            | No                                                | 0                                   | 0                                               |
| 20298           | San Pablo Villa de Mitla | 493     | 12,511    | 3.94                            | 3,288   | 15                           | No                                                | 1                                   | 0                                               |
| 20299           | San Pablo Yaganiza       | -       | 1,063     | 0                               | 286     | 0                            | No                                                | 0                                   | 0                                               |
| 20300           | San Pedro Amuzgos        | 249     | 6,664     | 3.74                            | 1,679   | 14.8                         | No                                                | 1                                   | 0                                               |
| 20301           | San Pedro Apóstol        | -       | 1,505     | 0                               | 433     | 0                            | No                                                | 0                                   | 0                                               |
| 20302           | San Pedro Atoyac         | -       | 4,539     | 0                               | 1,021   | 0                            | No                                                | 0                                   | 0                                               |
| 20303           | San Pedro Cajonos        | -       | 1,089     | 0                               | 339     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                      | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20304           | San Pedro Coxcaltepec Cántaros | -       | 735       | 0                               | 236     | 0                            | No                                                | 0                                   | 0                                               |
| 20305           | San Pedro Comitancillo         | 23      | 4,234     | 0.54                            | 1,256   | 1.8                          | No                                                | 1                                   | 1                                               |
| 20306           | San Pedro El Alto              | -       | 3,551     | 0                               | 834     | 0                            | No                                                | 0                                   | 0                                               |
| 20307           | San Pedro Huamelula            | -       | 10,014    | 0                               | 2,988   | 0                            | No                                                | 0                                   | 0                                               |
| 20308           | San Pedro Huilotepec           | -       | 3,146     | 0                               | 785     | 0                            | No                                                | 0                                   | 1                                               |
| 20309           | San Pedro Ixcatlán             | 97      | 11,653    | 0.83                            | 3,176   | 3.1                          | No                                                | 1                                   | 0                                               |
| 20310           | San Pedro Ixtlahuaca           | 245     | 8,561     | 2.86                            | 2,081   | 11.8                         | Si                                                | 2                                   | 0                                               |
| 20311           | San Pedro Jaltepetongo         | -       | 545       | 0                               | 163     | 0                            | No                                                | 0                                   | 0                                               |
| 20312           | San Pedro Jicayán              | -       | 12,387    | 0                               | 2,758   | 0                            | No                                                | 0                                   | 0                                               |
| 20313           | San Pedro Jocotipac            | -       | 779       | 0                               | 293     | 0                            | No                                                | 0                                   | 0                                               |
| 20314           | San Pedro Juchatengo           | -       | 1,561     | 0                               | 396     | 0                            | No                                                | 0                                   | 0                                               |
| 20315           | San Pedro Mártir               | -       | 1,694     | 0                               | 474     | 0                            | No                                                | 0                                   | 0                                               |
| 20316           | San Pedro Mártir Quiechapa     | -       | 693       | 0                               | 199     | 0                            | No                                                | 0                                   | 0                                               |
| 20317           | San Pedro Mártir Yucuxaco      | -       | 1,239     | 0                               | 407     | 0                            | No                                                | 0                                   | 0                                               |
| 20318           | San Pedro Mixtepec             | 5,737   | 48,336    | 11.87                           | 13,157  | 43.6                         | Si                                                | 1                                   | 1                                               |
| 20319           | San Pedro Mixtepec             | -       | 1,074     | 0                               | 308     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio               | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20320           | San Pedro Molinos       | -       | 668       | 0                               | 221     | 0                            | No                                                | 0                                   | 0                                               |
| 20321           | San Pedro Nopala        | -       | 720       | 0                               | 206     | 0                            | No                                                | 0                                   | 0                                               |
| 20322           | San Pedro Ocopetatlillo | -       | 790       | 0                               | 227     | 0                            | No                                                | 0                                   | 0                                               |
| 20323           | San Pedro Ocotepec      | -       | 2,098     | 0                               | 499     | 0                            | No                                                | 0                                   | 0                                               |
| 20324           | San Pedro Pochutla      | 1,834   | 47,476    | 3.86                            | 11,959  | 15.3                         | Si                                                | 2                                   | 1                                               |
| 20325           | San Pedro Quiatoni      | -       | 10,810    | 0                               | 2,714   | 0                            | No                                                | 0                                   | 0                                               |
| 20326           | San Pedro Sochiápam     | -       | 5,134     | 0                               | 1,152   | 0                            | No                                                | 0                                   | 0                                               |
| 20327           | San Pedro Tapanatepec   | 485     | 15,152    | 3.2                             | 4,394   | 11                           | No                                                | 1                                   | 0                                               |
| 20328           | San Pedro Taviche       | -       | 1,208     | 0                               | 303     | 0                            | No                                                | 0                                   | 0                                               |
| 20329           | San Pedro Teozacoalco   | -       | 1,225     | 0                               | 350     | 0                            | No                                                | 0                                   | 0                                               |
| 20330           | San Pedro Teutila       | -       | 4,232     | 0                               | 1,163   | 0                            | No                                                | 0                                   | 0                                               |
| 20331           | San Pedro Tidaá         | -       | 873       | 0                               | 317     | 0                            | No                                                | 0                                   | 0                                               |
| 20332           | San Pedro Topiltepec    | -       | 343       | 0                               | 110     | 0                            | No                                                | 0                                   | 0                                               |
| 20333           | San Pedro Totolápam     | -       | 2,626     | 0                               | 803     | 0                            | No                                                | 0                                   | 0                                               |
| 20334           | Villa de Tututepec      | 1,610   | 46,152    | 3.49                            | 12,424  | 13                           | No                                                | 1                                   | 0                                               |
| 20335           | San Pedro Yaneri        | -       | 910       | 0                               | 274     | 0                            | No                                                | 0                                   | 0                                               |
| 20336           | San Pedro Yólox         | -       | 1,698     | 0                               | 444     | 0                            | No                                                | 0                                   | 0                                               |



| Clave Municipio | Municipio                         | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20337           | San Pedro Y San Pablo Ayutla      | -       | 4,813     | 0                               | 1,365   | 0                            | No                                                | 0                                   | 0                                               |
| 20338           | Villa de Etla                     | 955     | 10,737    | 8.89                            | 2,855   | 33.5                         | No                                                | 1                                   | 1                                               |
| 20339           | San Pedro Y San Pablo Teposcolula | 165     | 4,016     | 4.11                            | 1,120   | 14.7                         | No                                                | 1                                   | 0                                               |
| 20340           | San Pedro Y San Pablo Tequixtepec | -       | 1,680     | 0                               | 574     | 0                            | No                                                | 0                                   | 0                                               |
| 20341           | San Pedro Yucunama                | -       | 236       | 0                               | 70      | 0                            | No                                                | 0                                   | 0                                               |
| 20342           | San Raymundo Jalpan               | 57      | 3,336     | 1.71                            | 1,018   | 5.6                          | No                                                | 1                                   | 0                                               |
| 20343           | San Sebastián Abasco              | -       | 1,933     | 0                               | 530     | 0                            | No                                                | 0                                   | 0                                               |
| 20344           | San Sebastián Coatán              | -       | 2,678     | 0                               | 721     | 0                            | No                                                | 0                                   | 0                                               |
| 20345           | San Sebastián Ixcapa              | -       | 4,072     | 0                               | 1,053   | 0                            | No                                                | 0                                   | 0                                               |
| 20346           | San Sebastián Nicananduta         | -       | 1,441     | 0                               | 438     | 0                            | No                                                | 0                                   | 0                                               |
| 20347           | San Sebastián Río Hondo           | -       | 3,587     | 0                               | 844     | 0                            | No                                                | 0                                   | 0                                               |
| 20348           | San Sebastián Tecomaxtlahuaca     | -       | 8,352     | 0                               | 2,287   | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio               | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20349           | San Sebastián Teitipac  | -       | 1,967     | 0                               | 557     | 0                            | No                                                | 0                                   | 0                                               |
| 20350           | San Sebastián Tutla     | -       | 18,195    | 0                               | 5,109   | 0                            | No                                                | 0                                   | 2                                               |
| 20351           | San Simón Almolongas    | -       | 2,820     | 0                               | 785     | 0                            | No                                                | 0                                   | 0                                               |
| 20352           | San Simón Zahuatlán     | -       | 3,526     | 0                               | 429     | 0                            | No                                                | 0                                   | 0                                               |
| 20353           | Santa Ana               | -       | 2,153     | 0                               | 534     | 0                            | No                                                | 0                                   | 0                                               |
| 20354           | Santa Ana Ateixtlahuaca | -       | 516       | 0                               | 149     | 0                            | No                                                | 0                                   | 0                                               |
| 20355           | Santa Ana Cuauhtémoc    | -       | 727       | 0                               | 216     | 0                            | No                                                | 0                                   | 0                                               |
| 20356           | Santa Ana del Valle     | 1       | 2,067     | 0.05                            | 649     | 0.2                          | No                                                | 1                                   | 0                                               |
| 20357           | Santa Ana Tavela        | -       | 762       | 0                               | 269     | 0                            | No                                                | 0                                   | 0                                               |
| 20358           | Santa Ana Tlapacoyan    | -       | 1,950     | 0                               | 609     | 0                            | No                                                | 0                                   | 0                                               |
| 20359           | Santa Ana Yareni        | -       | 918       | 0                               | 253     | 0                            | No                                                | 0                                   | 0                                               |
| 20360           | Santa Ana Zegache       | 26      | 3,773     | 0.69                            | 1,077   | 2.4                          | Si                                                | 2                                   | 0                                               |
| 20361           | Santa Catalina Quierí   | -       | 871       | 0                               | 260     | 0                            | No                                                | 0                                   | 0                                               |
| 20362           | Santa Catarina Cuixtla  | -       | 1,427     | 0                               | 408     | 0                            | No                                                | 0                                   | 0                                               |
| 20363           | Santa Catarina Ixtepeji | -       | 2,572     | 0                               | 685     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20364           | Santa Catarina Juquila   | 246     | 15,987    | 1.54                            | 3,696   | 6.7                          | No                                                | 1                                   | 0                                               |
| 20365           | Santa Catarina Lachatao  | -       | 1,068     | 0                               | 368     | 0                            | No                                                | 0                                   | 0                                               |
| 20366           | Santa Catarina Loxicha   | -       | 3,905     | 0                               | 921     | 0                            | No                                                | 0                                   | 0                                               |
| 20367           | Santa Catarina Mechoacán | -       | 4,460     | 0                               | 1,042   | 0                            | No                                                | 0                                   | 0                                               |
| 20368           | Santa Catarina Minas     | -       | 1,930     | 0                               | 495     | 0                            | No                                                | 0                                   | 0                                               |
| 20369           | Santa Catarina Quiané    | -       | 1,931     | 0                               | 556     | 0                            | No                                                | 0                                   | 0                                               |
| 20370           | Santa Catarina Tayata    | -       | 663       | 0                               | 210     | 0                            | No                                                | 0                                   | 0                                               |
| 20371           | Santa Catarina Ticuá     | -       | 1,031     | 0                               | 371     | 0                            | No                                                | 0                                   | 0                                               |
| 20372           | Santa Catarina Yosonotú  | -       | 1,556     | 0                               | 487     | 0                            | No                                                | 0                                   | 0                                               |
| 20373           | Santa Catarina Zapotilla | -       | 366       | 0                               | 117     | 0                            | No                                                | 0                                   | 0                                               |
| 20374           | Santa Cruz Acatepec      | -       | 1,548     | 0                               | 389     | 0                            | No                                                | 0                                   | 0                                               |
| 20375           | Santa Cruz Amilpas       | 4,560   | 12,814    | 35.59                           | 3,366   | 135.5                        | Si                                                | 2                                   | 2                                               |
| 20376           | Santa Cruz de Bravo      | -       | 356       | 0                               | 105     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                  | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20377           | Santa Cruz Itundujia       | -       | 11,616    | 0                               | 3,131   | 0                            | No                                                | 0                                   | 0                                               |
| 20378           | Santa Cruz Mixtepec        | -       | 3,425     | 0                               | 862     | 0                            | No                                                | 0                                   | 0                                               |
| 20379           | Santa Cruz Nundaco         | -       | 2,921     | 0                               | 726     | 0                            | No                                                | 0                                   | 0                                               |
| 20380           | Santa Cruz Papalutla       | 47      | 2,127     | 2.21                            | 598     | 7.9                          | No                                                | 1                                   | 0                                               |
| 20381           | Santa Cruz Tacache de Mina | -       | 2,675     | 0                               | 656     | 0                            | No                                                | 0                                   | 0                                               |
| 20382           | Santa Cruz Tacahua         | -       | 1,116     | 0                               | 326     | 0                            | No                                                | 0                                   | 0                                               |
| 20383           | Santa Cruz Tayata          | -       | 583       | 0                               | 165     | 0                            | No                                                | 0                                   | 0                                               |
| 20384           | Santa Cruz Xitla           | 9       | 4,754     | 0.19                            | 1,139   | 0.8                          | No                                                | 1                                   | 0                                               |
| 20385           | Santa Cruz Xoxocotlán      | 4,763   | 93,188    | 5.11                            | 23,936  | 19.9                         | Si                                                | 2                                   | 1                                               |
| 20386           | Santa Cruz Zenzontepec     | -       | 18,512    | 0                               | 4,115   | 0                            | No                                                | 0                                   | 0                                               |
| 20387           | Santa Gertrudis            | 131     | 2,914     | 4.5                             | 807     | 16.2                         | No                                                | 1                                   | 0                                               |
| 20388           | Santa Inés del Monte       | -       | 2,372     | 0                               | 584     | 0                            | No                                                | 0                                   | 0                                               |
| 20389           | Santa Inés Yatzeche        | -       | 952       | 0                               | 216     | 0                            | No                                                | 0                                   | 0                                               |
| 20390           | Santa Lucía del Camino     | -       | 49,459    | 0                               | 13,834  | 0                            | No                                                | 0                                   | 2                                               |
| 20391           | Santa Lucía Miahuatlán     | -       | 3,361     | 0                               | 788     | 0                            | No                                                | 0                                   | 0                                               |
| 20392           | Santa Lucía Monteverde     | -       | 6,398     | 0                               | 1,835   | 0                            | No                                                | 0                                   | 0                                               |
| 20393           | Santa Lucía Ocotlán        | -       | 3,855     | 0                               | 868     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                  | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20394           | Santa María Alotepec       | -       | 2,766     | 0                               | 780     | 0                            | No                                                | 0                                   | 0                                               |
| 20395           | Santa María Apazco         | -       | 1,720     | 0                               | 516     | 0                            | No                                                | 0                                   | 0                                               |
| 20396           | Santa María La Asunción    | -       | 3,237     | 0                               | 914     | 0                            | No                                                | 0                                   | 0                                               |
| 20397           | Heroica Ciudad de Tlaxiaco | 1,745   | 39,945    | 4.37                            | 10,414  | 16.8                         | Si                                                | 2                                   | 1                                               |
| 20398           | Ayoquezco de Aldama        | 62      | 4,418     | 1.4                             | 1,277   | 4.9                          | No                                                | 1                                   | 0                                               |
| 20399           | Santa María Atzompa        | 1,585   | 34,115    | 4.65                            | 8,843   | 17.9                         | Si                                                | 2                                   | 1                                               |
| 20400           | Santa María Camotlán       | -       | 1,568     | 0                               | 469     | 0                            | No                                                | 0                                   | 0                                               |
| 20401           | Santa María Colotepec      | 48      | 24,076    | 0.2                             | 6,212   | 0.8                          | No                                                | 1                                   | 1                                               |
| 20402           | Santa María Cortijo        | -       | 1,075     | 0                               | 302     | 0                            | No                                                | 0                                   | 0                                               |
| 20403           | Santa María Coyotepec      | -       | 2,971     | 0                               | 800     | 0                            | No                                                | 0                                   | 1                                               |
| 20404           | Santa María Chachoápam     | -       | 733       | 0                               | 224     | 0                            | No                                                | 0                                   | 0                                               |
| 20405           | Villa de Chilapa de Díaz   | -       | 2,110     | 0                               | 601     | 0                            | No                                                | 0                                   | 0                                               |
| 20406           | Santa María Chilchotla     | -       | 20,328    | 0                               | 5,292   | 0                            | No                                                | 0                                   | 0                                               |
| 20407           | Santa María Chimalapa      | -       | 9,078     | 0                               | 2,329   | 0                            | No                                                | 0                                   | 0                                               |
| 20408           | Santa María del Rosario    | -       | 482       | 0                               | 139     | 0                            | No                                                | 0                                   | 0                                               |
| 20409           | Santa María del Tule       | 724     | 8,918     | 8.12                            | 2,576   | 28.1                         | No                                                | 1                                   | 1                                               |

| Clave Municipio | Municipio                      | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20410           | Santa María Ecatepec           | -       | 3,353     | 0                               | 917     | 0                            | No                                                | 0                                   | 0                                               |
| 20411           | Santa María Guelacé            | -       | 813       | 0                               | 233     | 0                            | No                                                | 0                                   | 0                                               |
| 20412           | Santa María Guienagati         | -       | 3,168     | 0                               | 830     | 0                            | No                                                | 0                                   | 0                                               |
| 20413           | Santa María Huatulco           | 7,433   | 45,680    | 16.27                           | 12,737  | 58.4                         | Si                                                | 3 o más                             | 2                                               |
| 20414           | Santa María Huazolotitlán      | 44      | 11,400    | 0.39                            | 3,089   | 1.4                          | No                                                | 1                                   | 0                                               |
| 20415           | Santa María Ipalapa            | -       | 4,990     | 0                               | 1,239   | 0                            | No                                                | 0                                   | 0                                               |
| 20416           | Santa María Ixcatlán           | -       | 488       | 0                               | 171     | 0                            | No                                                | 0                                   | 0                                               |
| 20417           | Santa María Jacatepec          | -       | 9,474     | 0                               | 2,554   | 0                            | No                                                | 0                                   | 0                                               |
| 20418           | Santa María Jalapa del Marqués | 509     | 13,148    | 3.87                            | 3,663   | 13.9                         | No                                                | 1                                   | 0                                               |
| 20419           | Santa María Jaltianguis        | -       | 499       | 0                               | 156     | 0                            | No                                                | 0                                   | 0                                               |
| 20420           | Santa María Lachixío           | -       | 1,844     | 0                               | 454     | 0                            | No                                                | 0                                   | 0                                               |
| 20421           | Santa María Mixtequilla        | 131     | 4,555     | 2.88                            | 1,367   | 9.6                          | No                                                | 1                                   | 1                                               |
| 20422           | Santa María Nativitas          | -       | 585       | 0                               | 198     | 0                            | No                                                | 0                                   | 0                                               |
| 20423           | Santa María Nduayaco           | -       | 466       | 0                               | 143     | 0                            | No                                                | 0                                   | 0                                               |
| 20424           | Santa María Ozolotepec         | -       | 3,894     | 0                               | 929     | 0                            | No                                                | 0                                   | 0                                               |
| 20425           | Santa María Pápalo             | -       | 2,086     | 0                               | 633     | 0                            | No                                                | 0                                   | 0                                               |
| 20426           | Santa María Peñoles            | -       | 8,593     | 0                               | 1,600   | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                  | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20427           | Santa María Petapa         | 6       | 16,518    | 0.04                            | 4,596   | 0.1                          | No                                                | 1                                   | 0                                               |
| 20428           | Santa María Quiegolani     | -       | 1,924     | 0                               | 463     | 0                            | No                                                | 0                                   | 0                                               |
| 20429           | Santa María Sola           | -       | 1,471     | 0                               | 372     | 0                            | No                                                | 0                                   | 0                                               |
| 20430           | Santa María Tataltepec     | -       | 360       | 0                               | 117     | 0                            | No                                                | 0                                   | 0                                               |
| 20431           | Santa María Tecomavaca     | 79      | 1,692     | 4.67                            | 449     | 17.6                         | No                                                | 1                                   | 0                                               |
| 20432           | Santa María Temascalapa    | -       | 901       | 0                               | 287     | 0                            | No                                                | 0                                   | 0                                               |
| 20433           | Santa María Temascaltepec  | -       | 2,571     | 0                               | 592     | 0                            | No                                                | 0                                   | 0                                               |
| 20434           | Santa María Teopoxco       | -       | 4,214     | 0                               | 1,091   | 0                            | No                                                | 0                                   | 0                                               |
| 20435           | Santa María Tepantlali     | -       | 3,465     | 0                               | 904     | 0                            | No                                                | 0                                   | 0                                               |
| 20436           | Santa María Texcatitlán    | -       | 981       | 0                               | 291     | 0                            | No                                                | 0                                   | 0                                               |
| 20437           | Santa María Tlahuitoltepec | 50      | 8,922     | 0.56                            | 2,195   | 2.3                          | No                                                | 1                                   | 0                                               |
| 20438           | Santa María Tlalixtac      | -       | 1,635     | 0                               | 415     | 0                            | No                                                | 0                                   | 0                                               |
| 20439           | Santa María Tonameca       | -       | 25,130    | 0                               | 6,010   | 0                            | No                                                | 0                                   | 0                                               |
| 20440           | Santa María Totolapilla    | -       | 839       | 0                               | 284     | 0                            | No                                                | 0                                   | 0                                               |
| 20441           | Santa María Xadani         | -       | 8,795     | 0                               | 2,067   | 0                            | No                                                | 0                                   | 1                                               |
| 20442           | Santa María Yalina         | -       | 267       | 0                               | 76      | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio             | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20443           | Santa María Yavesía   | -       | 472       | 0                               | 138     | 0                            | No                                                | 0                                   | 0                                               |
| 20444           | Santa María Yolotepec | -       | 411       | 0                               | 121     | 0                            | No                                                | 0                                   | 0                                               |
| 20445           | Santa María Yosoyúa   | -       | 1,514     | 0                               | 348     | 0                            | No                                                | 0                                   | 0                                               |
| 20446           | Santa María Yucuhiti  | -       | 6,048     | 0                               | 1,601   | 0                            | No                                                | 0                                   | 0                                               |
| 20447           | Santa María Zacatepec | 141     | 16,340    | 0.86                            | 4,240   | 3.3                          | No                                                | 1                                   | 0                                               |
| 20448           | Santa María Zaniza    | -       | 2,234     | 0                               | 387     | 0                            | No                                                | 0                                   | 0                                               |
| 20449           | Santa María Zoquitlán | -       | 2,939     | 0                               | 911     | 0                            | No                                                | 0                                   | 0                                               |
| 20450           | Santiago Amoltepec    | -       | 12,683    | 0                               | 2,712   | 0                            | No                                                | 0                                   | 0                                               |
| 20451           | Santiago Apoala       | -       | 875       | 0                               | 291     | 0                            | No                                                | 0                                   | 0                                               |
| 20452           | Santiago Apóstol      | 37      | 3,995     | 0.93                            | 1,016   | 3.6                          | No                                                | 1                                   | 1                                               |
| 20453           | Santiago Astata       | -       | 3,708     | 0                               | 1,110   | 0                            | No                                                | 0                                   | 0                                               |
| 20454           | Santiago Atitlán      | -       | 2,920     | 0                               | 791     | 0                            | No                                                | 0                                   | 0                                               |
| 20455           | Santiago Ayuquilla    | -       | 2,583     | 0                               | 648     | 0                            | No                                                | 0                                   | 0                                               |
| 20456           | Santiago Cacaloxtpec  | -       | 1,441     | 0                               | 406     | 0                            | No                                                | 0                                   | 0                                               |
| 20457           | Santiago Camotlán     | -       | 3,082     | 0                               | 853     | 0                            | No                                                | 0                                   | 0                                               |
| 20458           | Santiago Comaltepec   | -       | 967       | 0                               | 293     | 0                            | No                                                | 0                                   | 0                                               |
| 20459           | Santiago Chazumba     | 97      | 4,371     | 2.22                            | 1,443   | 6.7                          | No                                                | 1                                   | 0                                               |



| Clave Municipio | Municipio                | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20460           | Santiago Choápam         | -       | 4,983     | 0                               | 1,315   | 0                            | No                                                | 0                                   | 0                                               |
| 20461           | Santiago del Río         | -       | 518       | 0                               | 190     | 0                            | No                                                | 0                                   | 0                                               |
| 20462           | Santiago Huajolotitlán   | -       | 4,083     | 0                               | 1,090   | 0                            | No                                                | 0                                   | 0                                               |
| 20463           | Santiago Huauclilla      | -       | 529       | 0                               | 181     | 0                            | No                                                | 0                                   | 0                                               |
| 20464           | Santiago Ihuitlán Plumas | -       | 351       | 0                               | 125     | 0                            | No                                                | 0                                   | 0                                               |
| 20465           | Santiago Ixcuintepec     | -       | 1,598     | 0                               | 384     | 0                            | No                                                | 0                                   | 0                                               |
| 20466           | Santiago Ixtayutla       | -       | 13,041    | 0                               | 2,898   | 0                            | No                                                | 0                                   | 0                                               |
| 20467           | Santiago Jamiltepec      | 749     | 19,201    | 3.9                             | 4,954   | 15.1                         | No                                                | 1                                   | 0                                               |
| 20468           | Santiago Jocotepec       | -       | 14,135    | 0                               | 3,253   | 0                            | No                                                | 0                                   | 0                                               |
| 20469           | Santiago Juxtlahuaca     | 1,157   | 36,275    | 3.19                            | 8,109   | 14.3                         | No                                                | 1                                   | 0                                               |
| 20470           | Santiago Lachiguiri      | -       | 4,886     | 0                               | 1,459   | 0                            | No                                                | 0                                   | 0                                               |
| 20471           | Santiago Lalopa          | -       | 498       | 0                               | 164     | 0                            | No                                                | 0                                   | 0                                               |
| 20472           | Santiago Laollaga        | -       | 3,326     | 0                               | 1,060   | 0                            | No                                                | 0                                   | 0                                               |
| 20473           | Santiago Laxopa          | -       | 1,292     | 0                               | 347     | 0                            | No                                                | 0                                   | 0                                               |
| 20474           | Santiago Llano Grande    | -       | 3,284     | 0                               | 940     | 0                            | No                                                | 0                                   | 0                                               |
| 20475           | Santiago Matatlán        | 159     | 9,681     | 1.64                            | 2,376   | 6.7                          | No                                                | 1                                   | 0                                               |
| 20476           | Santiago Miltepec        | -       | 393       | 0                               | 114     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                  | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|----------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20477           | Santiago Minas             | -       | 1,445     | 0                               | 373     | 0                            | No                                                | 0                                   | 0                                               |
| 20478           | Santiago Nacaltepec        | -       | 1,785     | 0                               | 605     | 0                            | No                                                | 0                                   | 0                                               |
| 20479           | Santiago Nejapilla         | -       | 202       | 0                               | 74      | 0                            | No                                                | 0                                   | 0                                               |
| 20480           | Santiago Nundiche          | -       | 877       | 0                               | 277     | 0                            | No                                                | 0                                   | 0                                               |
| 20481           | Santiago Nuyoó             | -       | 1,820     | 0                               | 552     | 0                            | No                                                | 0                                   | 0                                               |
| 20482           | Santiago Pinotepa Nacional | 3,765   | 53,148    | 7.08                            | 13,659  | 27.6                         | Si                                                | 1                                   | 1                                               |
| 20483           | Santiago Suchilquitongo    | -       | 10,397    | 0                               | 2,702   | 0                            | No                                                | 0                                   | 0                                               |
| 20484           | Santiago Tamazola          | -       | 4,250     | 0                               | 1,055   | 0                            | No                                                | 0                                   | 0                                               |
| 20485           | Santiago Tapextla          | -       | 3,208     | 0                               | 805     | 0                            | No                                                | 0                                   | 0                                               |
| 20486           | Villa Tejúpam de La Unión  | -       | 2,403     | 0                               | 670     | 0                            | No                                                | 0                                   | 0                                               |
| 20487           | Santiago Tenango           | -       | 1,995     | 0                               | 574     | 0                            | No                                                | 0                                   | 0                                               |
| 20488           | Santiago Tepetlapa         | -       | 114       | 0                               | 38      | 0                            | No                                                | 0                                   | 0                                               |
| 20489           | Santiago Tetepec           | -       | 4,994     | 0                               | 1,201   | 0                            | No                                                | 0                                   | 0                                               |
| 20490           | Santiago Texcalcingo       | -       | 3,098     | 0                               | 744     | 0                            | No                                                | 0                                   | 0                                               |
| 20491           | Santiago Textitlán         | -       | 4,404     | 0                               | 786     | 0                            | No                                                | 0                                   | 0                                               |
| 20492           | Santiago Tilantongo        | -       | 2,956     | 0                               | 900     | 0                            | No                                                | 0                                   | 0                                               |
| 20493           | Santiago Tillo             | -       | 523       | 0                               | 174     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20494           | Santiago Tlazoyaltepec   | -       | 4,662     | 0                               | 1,025   | 0                            | No                                                | 0                                   | 0                                               |
| 20495           | Santiago Xanica          | -       | 3,101     | 0                               | 743     | 0                            | No                                                | 0                                   | 0                                               |
| 20496           | Santiago Xiacuí          | -       | 1,736     | 0                               | 504     | 0                            | No                                                | 0                                   | 0                                               |
| 20497           | Santiago Yaitepec        | -       | 4,352     | 0                               | 827     | 0                            | No                                                | 0                                   | 0                                               |
| 20498           | Santiago Yaveo           |         | 6,885     | 0                               | 1,864   | 0                            | No                                                | 0                                   | 0                                               |
| 20499           | Santiago Yolomécatl      | -       | 2,090     | 0                               | 589     | 0                            | No                                                | 0                                   | 0                                               |
| 20500           | Santiago Yosondúa        | -       | 8,330     | 0                               | 2,418   | 0                            | No                                                | 0                                   | 0                                               |
| 20501           | Santiago Yucuyachi       | -       | 936       | 0                               | 291     | 0                            | No                                                | 0                                   | 0                                               |
| 20502           | Santiago Zacatepec       | -       | 5,187     | 0                               | 1,366   | 0                            | No                                                | 0                                   | 0                                               |
| 20503           | Santiago Zochila         | -       | 402       | 0                               | 107     | 0                            | No                                                | 0                                   | 0                                               |
| 20504           | Nuevo Zoquiápam          | -       | 1,654     | 0                               | 397     | 0                            | No                                                | 0                                   | 0                                               |
| 20505           | Santo Domingo Ingenio    | 166     | 7,965     | 2.08                            | 2,461   | 6.7                          | No                                                | 1                                   | 0                                               |
| 20506           | Santo Domingo Albarradas | -       | 755       | 0                               | 215     | 0                            | No                                                | 0                                   | 0                                               |
| 20507           | Santo Domingo Armenta    | -       | 3,469     | 0                               | 887     | 0                            | No                                                | 0                                   | 0                                               |
| 20508           | Santo Domingo Chihuitán  | -       | 1,486     | 0                               | 500     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                 | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|---------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20509           | Santo Domingo de Morelos  | -       | 10,738    | 0                               | 2,257   | 0                            | No                                                | 0                                   | 0                                               |
| 20510           | Santo Domingo Ixcatlán    | -       | 652       | 0                               | 196     | 0                            | No                                                | 0                                   | 0                                               |
| 20511           | Santo Domingo Nuxaá       | -       | 3,124     | 0                               | 759     | 0                            | No                                                | 0                                   | 0                                               |
| 20512           | Santo Domingo Ozolotepec  | -       | 870       | 0                               | 187     | 0                            | No                                                | 0                                   | 0                                               |
| 20513           | Santo Domingo Petapa      | -       | 9,157     | 0                               | 2,505   | 0                            | No                                                | 0                                   | 0                                               |
| 20514           | Santo Domingo Roayaga     | -       | 1,020     | 0                               | 283     | 0                            | No                                                | 0                                   | 0                                               |
| 20515           | Santo Domingo Tehuantepec | 8,880   | 64,639    | 13.74                           | 17,137  | 51.8                         | Si                                                | 2                                   | 2                                               |
| 20516           | Santo Domingo Teojomulco  | -       | 5,093     | 0                               | 1,228   | 0                            | No                                                | 0                                   | 0                                               |
| 20517           | Santo Domingo Tepuxtepec  | 1       | 4,815     | 0.02                            | 1,242   | 0.1                          | Si                                                | 1                                   | 0                                               |
| 20518           | Santo Domingo Tlatayápam  | -       | 132       | 0                               | 44      | 0                            | No                                                | 0                                   | 0                                               |
| 20519           | Santo Domingo Tomaltepec  | 102     | 2,988     | 3.41                            | 802     | 12.7                         | No                                                | 1                                   | 0                                               |

| Clave Municipio | Municipio                | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|--------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20520           | Santo Domingo Tonalá     | 260     | 6,921     | 3.76                            | 1,785   | 14.6                         | No                                                | 1                                   | 0                                               |
| 20521           | Santo Domingo Tonaltepec | -       | 235       | 0                               | 74      | 0                            | No                                                | 0                                   | 0                                               |
| 20522           | Santo Domingo Xagacía    | -       | 1,030     | 0                               | 299     | 0                            | No                                                | 0                                   | 0                                               |
| 20523           | Santo Domingo Yanhuatlán | 147     | 1,503     | 9.78                            | 450     | 32.7                         | No                                                | 1                                   | 0                                               |
| 20524           | Santo Domingo Yodohino   | -       | 314       | 0                               | 101     | 0                            | No                                                | 0                                   | 0                                               |
| 20525           | Santo Domingo Zanatepec  | 400     | 12,161    | 3.29                            | 3,435   | 11.6                         | No                                                | 1                                   | 0                                               |
| 20526           | Santos Reyes Nopala      | -       | 17,583    | 0                               | 4,640   | 0                            | No                                                | 0                                   | 0                                               |
| 20527           | Santos Reyes Pápalo      | -       | 2,600     | 0                               | 610     | 0                            | No                                                | 0                                   | 0                                               |
| 20528           | Santos Reyes Tepejillo   | -       | 980       | 0                               | 313     | 0                            | No                                                | 0                                   | 0                                               |
| 20529           | Santos Reyes Yucuná      | -       | 1,380     | 0                               | 202     | 0                            | No                                                | 0                                   | 0                                               |
| 20530           | Santo Tomás Jalieza      | -       | 3,617     | 0                               | 884     | 0                            | No                                                | 0                                   | 0                                               |
| 20531           | Santo Tomás Mazaltepec   | -       | 2,632     | 0                               | 695     | 0                            | No                                                | 0                                   | 0                                               |
| 20532           | Santo Tomás Ocotepec     | -       | 3,705     | 0                               | 934     | 0                            | No                                                | 0                                   | 0                                               |
| 20533           | Santo Tomás Tamazulapan  | -       | 2,132     | 0                               | 560     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                         | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-----------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20534           | San Vicente Coatlán               | -       | 3,923     | 0                               | 880     | 0                            | No                                                | 0                                   | 0                                               |
| 20535           | San Vicente Lachixío              | -       | 2,961     | 0                               | 660     | 0                            | No                                                | 0                                   | 0                                               |
| 20536           | San Vicente Nuñú                  | -       | 413       | 0                               | 142     | 0                            | No                                                | 0                                   | 0                                               |
| 20537           | Silacayoápam                      | 105     | 6,495     | 1.62                            | 1,775   | 5.9                          | No                                                | 1                                   | 0                                               |
| 20538           | Sitio de Xitlapehua               | -       | 669       | 0                               | 170     | 0                            | No                                                | 0                                   | 0                                               |
| 20539           | Soledad Etla                      | 592     | 5,591     | 10.59                           | 1,410   | 42                           | No                                                | 1                                   | 0                                               |
| 20540           | Villa de Tamazulápam del Progreso | 498     | 7,707     | 6.46                            | 2,016   | 24.7                         | No                                                | 1                                   | 0                                               |
| 20541           | Tanetze de Zaragoza               | -       | 1,622     | 0                               | 547     | 0                            | No                                                | 0                                   | 0                                               |
| 20542           | Taniche                           | -       | 825       | 0                               | 230     | 0                            | No                                                | 0                                   | 0                                               |
| 20543           | Tataltepec de Valdés              | -       | 5,869     | 0                               | 1,461   | 0                            | No                                                | 0                                   | 0                                               |
| 20544           | Teococuilco de Marcos Pérez       | -       | 1,016     | 0                               | 291     | 0                            | No                                                | 0                                   | 0                                               |
| 20545           | Teotitlán de Flores Magón         | 561     | 9,876     | 5.68                            | 2,709   | 20.7                         | Si                                                | 1                                   | 1                                               |
| 20546           | Teotitlán del Valle               | 813     | 5,784     | 14.06                           | 1,461   | 55.6                         | No                                                | 1                                   | 1                                               |
| 20547           | Teotongo                          | -       | 931       | 0                               | 285     | 0                            | No                                                | 0                                   | 0                                               |
| 20548           | Tepelmeme Villa de Morelos        | -       | 1,607     | 0                               | 462     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                                                                    | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|------------------------------------------------------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20549           | Heroica Villa Tezoatlán de Segura y Luna, Cuna de La Independencia de Oaxaca | 163     | 11,034    | 1.48                            | 3,139   | 5.2                          | No                                                | 1                                   | 0                                               |
| 20550           | San Jerónimo Tlacoachahuaya                                                  | -       | 5,491     | 0                               | 1,435   | 0                            | No                                                | 0                                   | 1                                               |
| 20551           | Tlacolula de Matamoros                                                       | 1,184   | 22,545    | 5.25                            | 6,297   | 18.8                         | Si                                                | 1                                   | 1                                               |
| 20552           | Tlacotepec Plumas                                                            | -       | 438       | 0                               | 137     | 0                            | No                                                | 0                                   | 0                                               |
| 20553           | Tlalixtac de Cabrera                                                         | 404     | 10,208    | 3.96                            | 2,443   | 16.5                         | Si                                                | 2                                   | 2                                               |
| 20554           | Totontepec Villa de Morelos                                                  | -       | 5,361     | 0                               | 1,361   | 0                            | No                                                | 0                                   | 0                                               |
| 20555           | Trinidad Zaachila                                                            | -       | 3,032     | 0                               | 798     | 0                            | No                                                | 0                                   | 0                                               |
| 20556           | La Trinidad Vista Hermosa                                                    | -       | 260       | 0                               | 77      | 0                            | No                                                | 0                                   | 0                                               |
| 20557           | Unión Hidalgo                                                                | 2,267   | 15,347    | 14.77                           | 4,115   | 55.1                         | Si                                                | 2                                   | 1                                               |
| 20558           | Valerio Trujano                                                              | -       | 1,371     | 0                               | 397     | 0                            | No                                                | 0                                   | 0                                               |
| 20559           | San Juan Bautista Valle Nacional                                             | 264     | 22,699    | 1.16                            | 5,734   | 4.6                          | Si                                                | 2                                   | 0                                               |
| 20560           | Villa Díaz Ordaz                                                             | 2       | 6,646     | 0.03                            | 1,718   | 0.1                          | No                                                | 1                                   | 0                                               |
| 20561           | Yaxe                                                                         | -       | 2,789     | 0                               | 822     | 0                            | No                                                | 0                                   | 0                                               |

| Clave Municipio | Municipio                           | Accesos | Población | Accesos por cada 100 habitantes | Hogares | Accesos por cada 100 hogares | ¿Existen accesos de fibra óptica o cable coaxial? | ¿Cuántos operadores tienen accesos? | ¿Cuántos operadores tienen red de acceso de FO? |
|-----------------|-------------------------------------|---------|-----------|---------------------------------|---------|------------------------------|---------------------------------------------------|-------------------------------------|-------------------------------------------------|
| 20562           | Magdalena Yodocono de Porfirio Díaz | -       | 1,554     | 0                               | 421     | 0                            | No                                                | 0                                   | 0                                               |
| 20563           | Yogana                              | -       | 1,264     | 0                               | 343     | 0                            | No                                                | 0                                   | 0                                               |
| 20564           | Yutanduchi de Guerrero              | -       | 1,129     | 0                               | 350     | 0                            | No                                                | 0                                   | 0                                               |
| 20565           | Villa de Zaachila                   | 943     | 43,279    | 2.18                            | 11,001  | 8.6                          | No                                                | 1                                   | 0                                               |
| 20566           | San Mateo Yucutindoo                | -       | 3,010     | 0                               | 807     | 0                            | No                                                | 0                                   | 0                                               |
| 20567           | Zapotitlán Lagunas                  | -       | 3,142     | 0                               | 806     | 0                            | No                                                | 0                                   | 0                                               |
| 20568           | Zapotitlán Palmas                   | -       | 1,431     | 0                               | 393     | 0                            | No                                                | 0                                   | 0                                               |
| 20569           | Santa Inés de Zaragoza              | -       | 1,616     | 0                               | 524     | 0                            | No                                                | 0                                   | 0                                               |
| 20570           | Zimatlán de Álvarez                 | 3,902   | 19,849    | 19.66                           | 5,139   | 75.9                         | Si                                                | 2                                   | 0                                               |

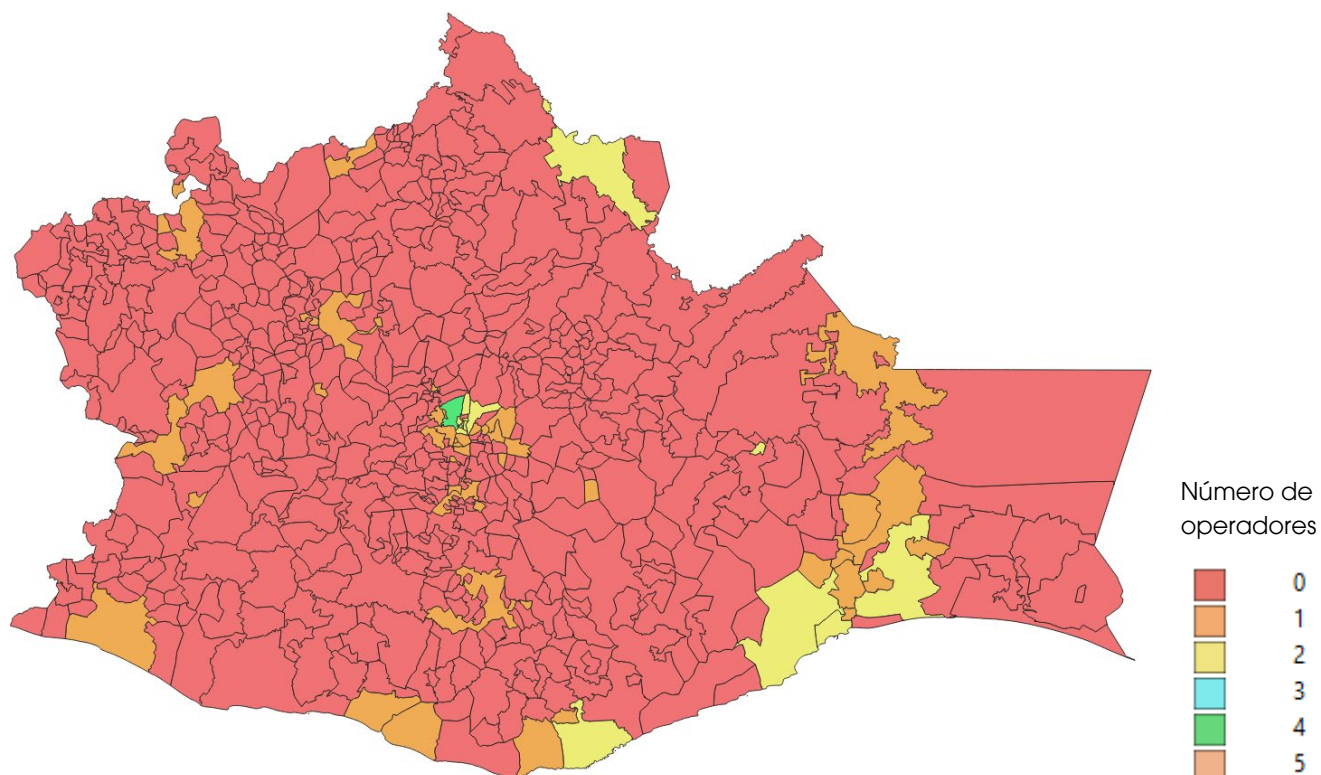
En complemento, 92 de los municipios de dicha entidad tienen presencia de accesos que corresponden a un solo operador (equivalentes en conjunto a 32.7% de la población y 32.7% los hogares de la entidad), sin embargo, en solo 10 de ellos hay accesos basados en Tecnologías de cable coaxial o fibra óptica.

Finalmente, en 5 municipios hay presencia de accesos pertenecientes a tres o más operadores, observándose que en estos existen accesos basados en Tecnologías de cable coaxial o fibra óptica.



El Estado de Oaxaca registra para al cierre de 2017, 522 municipios que no cuentan con presencia de elementos de red de acceso de fibra óptica, lo que representa un 92% del número total de municipios pertenecientes a dicho estado.

**OAXACA** - Número de operadores con infraestructura de red acceso de fibra óptica a nivel municipal



Por otra parte, 36 municipios cuentan con la presencia de 1 sólo operador con red de acceso de fibra óptica, mientras que 11 municipios cuentan con la presencia de 2 operadores con esta tecnología.

Por último, solo el municipio de Oaxaca de Juárez registra 4 operadores con red de acceso a través de fibra óptica. Al respecto, cabe precisar que la presencia de elementos de red de acceso de fibra óptica no necesariamente implica la existencia de accesos con esta tecnología, entre otras razones ya sea por una cuestión de demanda o porque alguno de los operadores al cierre de 2017 aun no concluía sus despliegues de acceso que le permitieran brindar el servicio.

## 1.2 DIAGNÓSTICO DE BANDA ANCHA MÓVIL EN OAXACA

En el estado de Oaxaca el 21% de la población cuenta con cobertura 2G, el 28% cuenta con Tecnología 3G y el 27% con 4G.

A ese respecto, por lo que hace a Tecnología 4G, existen 75 municipios que son los mejores referentes del Estado al contar con el 100% de cobertura, en contraste con los 355 municipios que no cuentan con esta Tecnología.

Es importante destacar que existen 312 que no cuentan con cobertura de ninguna Tecnología, por lo que dentro del estado existen 977,340 personas que no cuentan con acceso a servicios de telecomunicaciones.

| Clave | Nombre del Municipio      | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|---------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                           |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20001 | Abejones                  | 1,084           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20002 | Acatlán de Pérez Figueroa | 44,885          | 21,434             | 48%                     | 2                    | 23,498             | 52%                     | 2                    | 27,746             | 62%                     | 2                    |
| 20003 | Asunción Cacalotepec      | 2,495           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20004 | Asunción Cuyotepeji       | 1,012           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20005 | Asunción Ixtaltepec       | 14,751          | 5,137              | 35%                     | 2                    | 12,648             | 86%                     | 3                    | 10,223             | 69%                     | 2                    |
| 20006 | Asunción Nochistlán       | 17,820          | 9,674              | 54%                     | 2                    | 11,663             | 65%                     | 2                    | 13,499             | 76%                     | 2                    |

| Clave | Nombre del Municipio           | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|--------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20007 | Asunción Ocotlán               | 2,612           | 2,612              | 100%                    | 2                    | 2,612              | 100%                    | 2                    | 2,612              | 100%                    | 2                    |
| 20008 | Asunción Tlacolulita           | 842             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20009 | Ayotzintepic                   | 6,720           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20010 | El Barrio de la Soledad        | 13,608          | 6,650              | 49%                     | 2                    | 12,289             | 90%                     | 3                    | 12,273             | 90%                     | 2                    |
| 20011 | Calihualá                      | 1,220           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20012 | Candelaria Loxicha             | 9,860           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20013 | Ciénega de Zimatlán            | 2,785           | 2,785              | 100%                    | 2                    | 2,785              | 100%                    | 3                    | 2,785              | 100%                    | 2                    |
| 20014 | Ciudad Ixtepec                 | 26,450          | 24,446             | 92%                     | 2                    | 26,417             | 100%                    | 3                    | 26,245             | 99%                     | 2                    |
| 20015 | Coatecas Altas                 | 4,712           | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    | 2,398              | 51%                     | 1                    |
| 20016 | Coicoyán de las Flores         | 8,531           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 466                | 5%                      | 1                    |
| 20017 | La Compañía                    | 3,302           | 47                 | 1%                      | 1                    | 637                | 19%                     | 1                    | 355                | 11%                     | 1                    |
| 20018 | Concepción Buenavista          | 834             | 119                | 14%                     | 1                    | -                  | 0%                      | 0                    | 401                | 48%                     | 1                    |
| 20019 | Concepción Pápalo              | 3,071           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20020 | Constancia del Rosario         | 3,860           | 2,316              | 60%                     | 2                    | 1,953              | 51%                     | 1                    | 2,631              | 68%                     | 1                    |
| 20021 | Cosolapa                       | 14,667          | 10,738             | 73%                     | 1                    | 13,669             | 93%                     | 2                    | 14,265             | 97%                     | 2                    |
| 20022 | Cosoltepec                     | 866             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20023 | Cuilápam de Guerrero           | 18,428          | 17,758             | 96%                     | 2                    | 18,428             | 100%                    | 3                    | 18,323             | 99%                     | 2                    |
| 20024 | Cuyamecalco Villa de Zaragoza  | 3,846           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20025 | Chahuítes                      | 11,105          | 11,105             | 100%                    | 2                    | 11,105             | 100%                    | 1                    | 11,105             | 100%                    | 1                    |
| 20026 | Chalcatongo de Hidalgo         | 8,481           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20027 | Chiquihuitlán de Benito Juárez | 2,458           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio                   | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|----------------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                        |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20028 | Heroica Ciudad de Ejutla de Crespo     | 19,679          | 10,640             | 54%                     | 1                    | 16,381             | 83%                     | 3                    | 15,510             | 79%                     | 2                    |
| 20029 | Eloxochitlán de Flores Magón           | 4,263           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20030 | El Espinal                             | 8,310           | 8,310              | 100%                    | 2                    | 8,310              | 100%                    | 3                    | 8,310              | 100%                    | 2                    |
| 20031 | Tamazulápam del Espíritu Santo         | 7,362           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20032 | Fresnillo de Trujano                   | 1,033           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20033 | Guadalupe Etla                         | 2,433           | 2,433              | 100%                    | 2                    | 2,433              | 100%                    | 3                    | 2,433              | 100%                    | 2                    |
| 20034 | Guadalupe de Ramírez                   | 1,425           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20035 | Guelatao de Juárez                     | 544             | -                  | 0%                      | 0                    | 544                | 100%                    | 2                    | 544                | 100%                    | 1                    |
| 20036 | Guevea de Humboldt                     | 5,285           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20037 | Mesones Hidalgo                        | 4,402           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20038 | Villa Hidalgo                          | 2,112           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20039 | Heroica Ciudad de Huajuapam de León    | 69,839          | 67,534             | 97%                     | 2                    | 66,655             | 95%                     | 3                    | 68,456             | 98%                     | 1                    |
| 20040 | Huauteppec                             | 5,995           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20041 | Huautla de Jiménez                     | 30,004          | 16,304             | 54%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20042 | Ixtlán de Juárez                       | 7,674           | 328                | 4%                      | 1                    | 3,638              | 47%                     | 2                    | 3,647              | 48%                     | 1                    |
| 20043 | Heroica Ciudad de Juchitán de Zaragoza | 93,038          | 84,058             | 90%                     | 2                    | 87,804             | 94%                     | 3                    | 82,237             | 88%                     | 2                    |
| 20044 | Loma Bonita                            | 41,535          | 31,638             | 76%                     | 2                    | 28,734             | 69%                     | 3                    | 28,502             | 69%                     | 2                    |
| 20045 | Magdalena Apasco                       | 7,522           | 7,522              | 100%                    | 2                    | 7,522              | 100%                    | 3                    | 7,522              | 100%                    | 2                    |
| 20046 | Magdalena Jaltepec                     | 3,313           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20047 | Santa Magdalena Jicotlán               | 93              | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio        | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-----------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                             |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20048 | Magdalena Mixtepec          | 1,304           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    |
| 20049 | Magdalena Ocotlán           | 1,141           | 1,141              | 100%                    | 1                    | 1,141              | 100%                    | 2                    | 1,141              | 100%                    | 2                    |
| 20050 | Magdalena Peñasco           | 3,778           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20051 | Magdalena Teitipac          | 4,368           | 14                 | 0%                      | 1                    | 4,368              | 100%                    | 1                    | 4,368              | 100%                    | 2                    |
| 20052 | Magdalena Tequisistlán      | 6,182           | 2,312              | 37%                     | 1                    | 75                 | 1%                      | 1                    | 3,027              | 49%                     | 1                    |
| 20053 | Magdalena Tlacotepec        | 1,221           | -                  | 0%                      | 0                    | 1,221              | 100%                    | 1                    | 756                | 62%                     | 2                    |
| 20054 | Magdalena Zahuatlán         | 409             | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    | 409                | 100%                    | 2                    |
| 20055 | Mariscala de Juárez         | 3,530           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20056 | Mártires de Tacubaya        | 1,451           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 83                 | 6%                      | 1                    |
| 20057 | Matías Romero Avendaño      | 38,019          | 23,091             | 61%                     | 2                    | 26,067             | 69%                     | 3                    | 15,727             | 41%                     | 2                    |
| 20058 | Mazatlán Villa de Flores    | 13,435          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20059 | Miahuatlán de Porfirio Díaz | 41,387          | 27,680             | 67%                     | 2                    | 10,143             | 25%                     | 1                    | 29,965             | 72%                     | 1                    |
| 20060 | Mixistlán de la Reforma     | 2,770           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20061 | Monjas                      | 2,568           | 1,933              | 75%                     | 2                    | -                  | 0%                      | 0                    | 2,568              | 100%                    | 1                    |
| 20062 | Natividad                   | 586             | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    | 36                 | 6%                      | 1                    |
| 20063 | Nazareno Etla               | 3,882           | 3,872              | 100%                    | 2                    | 3,872              | 100%                    | 2                    | 3,872              | 100%                    | 2                    |
| 20064 | Nejapa de Madero            | 7,390           | 5,655              | 77%                     | 1                    | 5,722              | 77%                     | 1                    | -                  | 0%                      | 0                    |
| 20065 | Ixpantepec Nieves           | 1,182           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20066 | Santiago Niltepec           | 5,353           | 2,963              | 55%                     | 1                    | 2,852              | 53%                     | 1                    | 74                 | 1%                      | 1                    |
| 20067 | Oaxaca de Juárez            | 263,357         | 259,463            | 99%                     | 2                    | 263,349            | 100%                    | 3                    | 263,334            | 100%                    | 2                    |
| 20068 | Ocotlán de Morelos          | 21,341          | 18,675             | 88%                     | 2                    | 21,332             | 100%                    | 3                    | 20,036             | 94%                     | 2                    |

| Clave | Nombre del Municipio        | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-----------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                             |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20069 | La Pe                       | 2,446           | -                  | 0%                      | 0                    | 1,790              | 73%                     | 2                    | 11                 | 0%                      | 2                    |
| 20070 | Pinotepa de Don Luis        | 6,629           | 1,879              | 28%                     | 1                    | 6,629              | 100%                    | 1                    | 6,629              | 100%                    | 1                    |
| 20071 | Pluma Hidalgo               | 3,060           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20072 | San José del Progreso       | 6,579           | 4,140              | 63%                     | 1                    | 6,441              | 98%                     | 2                    | 5,420              | 82%                     | 2                    |
| 20073 | Putla Villa de Guerrero     | 31,897          | 21,308             | 67%                     | 2                    | 20,958             | 66%                     | 1                    | 21,866             | 69%                     | 1                    |
| 20074 | Santa Catarina Quiquiritani | 505             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20075 | Reforma de Pineda           | 2,671           | -                  | 0%                      | 0                    | 2,671              | 100%                    | 1                    | 2,671              | 100%                    | 1                    |
| 20076 | La Reforma                  | 3,331           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20077 | Reyes Etla                  | 3,568           | 3,568              | 100%                    | 2                    | 3,568              | 100%                    | 3                    | 3,568              | 100%                    | 2                    |
| 20078 | Rojas de Cuauhtémoc         | 1,092           | 1,092              | 100%                    | 2                    | 1,092              | 100%                    | 1                    | 1,092              | 100%                    | 1                    |
| 20079 | Salina Cruz                 | 82,371          | 74,531             | 90%                     | 2                    | 82,209             | 100%                    | 3                    | 82,361             | 100%                    | 2                    |
| 20080 | San Agustín Amatengo        | 1,312           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 352                | 27%                     | 1                    |
| 20081 | San Agustín Atenango        | 1,914           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20082 | San Agustín Chayuco         | 3,952           | -                  | 0%                      | 0                    | 825                | 21%                     | 1                    | -                  | 0%                      | 1                    |
| 20083 | San Agustín de las Juntas   | 8,089           | 8,071              | 100%                    | 2                    | 8,089              | 100%                    | 3                    | 8,089              | 100%                    | 2                    |
| 20084 | San Agustín Etla            | 3,893           | 1,468              | 38%                     | 2                    | 1,970              | 51%                     | 2                    | 3,482              | 89%                     | 2                    |
| 20085 | San Agustín Loxicha         | 22,565          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20086 | San Agustín Tlacoatepec     | 874             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20087 | San Agustín Yatari          | 4,075           | 4,083              | 100%                    | 2                    | 4,083              | 100%                    | 3                    | 4,083              | 100%                    | 2                    |
| 20088 | San Andrés Cabecera Nueva   | 2,851           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20089 | San Andrés Dinicuiti        | 2,152           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio          | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                               |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20090 | San Andrés Huaxpaltepec       | 5,867           | 172                | 3%                      | 2                    | 5,638              | 96%                     | 1                    | 1,933              | 33%                     | 2                    |
| 20091 | San Andrés Huayápam           | 4,879           | 3,999              | 82%                     | 2                    | 4,879              | 100%                    | 3                    | 4,879              | 100%                    | 2                    |
| 20092 | San Andrés Ixtlahuaca         | 1,439           | 10                 | 1%                      | 1                    | 1,439              | 100%                    | 1                    | 247                | 17%                     | 2                    |
| 20093 | San Andrés Lagunas            | 505             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20094 | San Andrés Nuxiño             | 1,898           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20095 | San Andrés Paxtlán            | 3,990           | 384                | 10%                     | 1                    | -                  | 0%                      | 0                    | 316                | 8%                      | 1                    |
| 20096 | San Andrés Sinaxtla           | 772             | -                  | 0%                      | 1                    | 515                | 67%                     | 1                    | 515                | 67%                     | 2                    |
| 20097 | San Andrés Solaga             | 1,740           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20098 | San Andrés Teotitlán          | 4,427           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20099 | San Andrés Tepetlapa          | 475             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20100 | San Andrés Yaá                | 497             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20101 | San Andrés Zabache            | 726             | -                  | 0%                      | 0                    | 55                 | 8%                      | 1                    | -                  | 0%                      | 0                    |
| 20102 | San Andrés Zautla             | 4,405           | 4,415              | 100%                    | 2                    | 4,415              | 100%                    | 3                    | 4,415              | 100%                    | 2                    |
| 20103 | San Antonino Castillo Velasco | 5,651           | 5,648              | 100%                    | 2                    | 5,648              | 100%                    | 3                    | 5,648              | 100%                    | 2                    |
| 20104 | San Antonino el Alto          | 2,508           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20105 | San Antonino Monte Verde      | 6,650           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20106 | San Antonio Acutla            | 297             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20107 | San Antonio de la Cal         | 21,456          | 21,445             | 100%                    | 2                    | 21,456             | 100%                    | 3                    | 21,456             | 100%                    | 2                    |
| 20108 | San Antonio Huítepec          | 4,289           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20109 | San Antonio Nanahuatipam      | 1,233           | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    | 1,233              | 100%                    | 1                    |

| Clave | Nombre del Municipio          | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                               |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20110 | San Antonio Sinicahua         | 1,603           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20111 | San Antonio Tepetlapa         | 4,394           | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    |
| 20112 | San Baltazar Chichicápam      | 2,439           | -                  | 0%                      | 0                    | 2,234              | 92%                     | 1                    | -                  | 0%                      | 0                    |
| 20113 | San Baltazar Loxicha          | 2,832           | 1,947              | 69%                     | 1                    | 2,065              | 73%                     | 1                    | -                  | 0%                      | 0                    |
| 20114 | San Baltazar Yatzachi el Bajo | 677             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20115 | San Bartolo Coyotepec         | 8,684           | 8,684              | 100%                    | 2                    | 8,684              | 100%                    | 3                    | 8,684              | 100%                    | 2                    |
| 20116 | San Bartolomé Ayautla         | 4,052           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20117 | San Bartolomé Loxicha         | 2,422           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20118 | San Bartolomé Quialana        | 2,470           | 30                 | 1%                      | 1                    | 2,470              | 100%                    | 3                    | 2,379              | 96%                     | 1                    |
| 20119 | San Bartolomé Yucuañe         | 399             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20120 | San Bartolomé Zoogocho        | 368             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20121 | San Bartolo Soyaltepec        | 655             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20122 | San Bartolo Yautepec          | 677             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20123 | San Bernardo Mixtepec         | 2,705           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    |
| 20124 | San Blas Atempa               | 17,094          | 15,195             | 89%                     | 2                    | 15,447             | 90%                     | 3                    | 14,782             | 86%                     | 2                    |
| 20125 | San Carlos Yautepec           | 11,813          | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20126 | San Cristóbal Amatlán         | 5,024           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 3,211              | 64%                     | 1                    |
| 20127 | San Cristóbal Amoltepec       | 1,283           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20128 | San Cristóbal Lachirioag      | 1,230           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20129 | San Cristóbal Suchixtlahuaca  | 334             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |



| Clave | Nombre del Municipio       | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|----------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                            |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20130 | San Dionisio del Mar       | 5,098           | 3,833              | 75%                     | 1                    | 4,664              | 91%                     | 1                    | -                  | 0%                      | 0                    |
| 20131 | San Dionisio Ocotepec      | 10,500          | 3,231              | 31%                     | 1                    | 6,605              | 63%                     | 1                    | 6,605              | 63%                     | 1                    |
| 20132 | San Dionisio Ocotlán       | 1,245           | 1,206              | 97%                     | 2                    | 1,245              | 100%                    | 2                    | 1,245              | 100%                    | 2                    |
| 20133 | San Esteban Atatlahuca     | 3,974           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20134 | San Felipe Jalapa de Díaz  | 26,838          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20135 | San Felipe Tejalápam       | 7,187           | 7,029              | 98%                     | 1                    | 7,155              | 100%                    | 2                    | 893                | 12%                     | 2                    |
| 20136 | San Felipe Usila           | 11,575          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20137 | San Francisco Cahuacuá     | 3,427           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20138 | San Francisco Cajonos      | 460             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20139 | San Francisco Chapulapa    | 2,136           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20140 | San Francisco Chindúa      | 827             | -                  | 0%                      | 0                    | 707                | 85%                     | 1                    | 105                | 13%                     | 2                    |
| 20141 | San Francisco del Mar      | 7,232           | -                  | 0%                      | 0                    | 6,214              | 86%                     | 1                    | 5,679              | 79%                     | 1                    |
| 20142 | San Francisco Huehuetlán   | 1,160           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20143 | San Francisco Ixhuatán     | 8,959           | -                  | 0%                      | 0                    | 8,737              | 98%                     | 1                    | 7,121              | 79%                     | 1                    |
| 20144 | San Francisco Jaltepetongo | 1,110           | 25                 | 2%                      | 1                    | -                  | 0%                      | 0                    | 207                | 19%                     | 2                    |
| 20145 | San Francisco Lachigoló    | 3,474           | 3,474              | 100%                    | 2                    | 3,474              | 100%                    | 2                    | 3,474              | 100%                    | 1                    |
| 20146 | San Francisco Logueche     | 2,666           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20147 | San Francisco Nuxaño       | 378             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20148 | San Francisco Ozolotepec   | 1,945           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20149 | San Francisco Sola         | 1,509           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio        | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-----------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                             |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20150 | San Francisco Telixtlahuaca | 11,893          | 10,792             | 91%                     | 1                    | 11,402             | 96%                     | 2                    | 10,950             | 92%                     | 1                    |
| 20151 | San Francisco Teopan        | 394             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20152 | San Francisco Tlapancingo   | 2,152           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20153 | San Gabriel Mixtepec        | 4,733           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20154 | San Ildefonso Amatlán       | 2,393           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 1,768              | 74%                     | 1                    |
| 20155 | San Ildefonso Sola          | 940             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20156 | San Ildefonso Villa Alta    | 3,478           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20157 | San Jacinto Amilpas         | 13,860          | 13,860             | 100%                    | 2                    | 13,860             | 100%                    | 3                    | 13,860             | 100%                    | 2                    |
| 20158 | San Jacinto Tlacotepec      | 2,231           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20159 | San Jerónimo Coatlán        | 5,449           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20160 | San Jerónimo Silacayoapilla | 1,449           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 64                 | 4%                      | 1                    |
| 20161 | San Jerónimo Sosola         | 2,559           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20162 | San Jerónimo Taviche        | 1,848           | -                  | 0%                      | 0                    | 4                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20163 | San Jerónimo Tecóatl        | 1,606           | -                  | 0%                      | 0                    | -                  | 0%                      |                      | -                  | 0%                      | 0                    |
| 20164 | San Jorge Nuchita           | 3,215           | -                  | 0%                      | 0                    | 3,161              | 98%                     | 1                    | -                  | 0%                      | 0                    |
| 20165 | San José Ayuquila           | 1,511           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20166 | San José Chiltepec          | 11,019          | 59                 | 1%                      | 1                    | 5,110              | 46%                     | 2                    | 5,342              | 48%                     | 2                    |
| 20167 | San José del Peñasco        | 2,094           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 245                | 12%                     | 1                    |
| 20168 | San José Estancia Grande    | 977             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20169 | San José Independencia      | 3,684           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20170 | San José Lachiguiri         | 3,849           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio              | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-----------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                   |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20171 | San José Tenango                  | 18,478          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20172 | San Juan Achiutla                 | 430             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20173 | San Juan Atepec                   | 1,517           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 373                | 25%                     | 1                    |
| 20174 | Ánimas Trujano                    | 3,759           | 3,759              | 100%                    | 2                    | 3,759              | 100%                    | 3                    | 3,759              | 100%                    | 2                    |
| 20175 | San Juan Bautista Atalahuca       | 1,724           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20176 | San Juan Bautista Coixtlahuaca    | 2,808           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20177 | San Juan Bautista Cuicatlán       | 9,441           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20178 | San Juan Bautista Guelache        | 6,287           | 5,583              | 89%                     | 2                    | 5,091              | 81%                     | 3                    | 6,287              | 100%                    | 2                    |
| 20179 | San Juan Bautista Jayacatlán      | 1,462           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20180 | San Juan Bautista Lo de Soto      | 2,325           | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    | 841                | 36%                     | 1                    |
| 20181 | San Juan Bautista Suchitepec      | 417             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20182 | San Juan Bautista Tlacoatzintepec | 2,292           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20183 | San Juan Bautista Tlachichilco    | 1,447           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20184 | San Juan Bautista Tuxtepec        | 155,766         | 114,959            | 74%                     | 2                    | 118,129            | 76%                     | 3                    | 121,218            | 78%                     | 2                    |
| 20185 | San Juan Cacahuatpec              | 8,680           | -                  | 0%                      | 0                    | 4,191              | 48%                     | 1                    | 5,132              | 59%                     | 1                    |
| 20186 | San Juan Cieneguilla              | 605             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20187 | San Juan Coatzacoatz              | 2,535           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20188 | San Juan Colorado                 | 9,494           | 5,511              | 58%                     | 1                    | 7,909              | 83%                     | 1                    | 7,430              | 78%                     | 1                    |
| 20189 | San Juan Comaltepec               | 2,517           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20190 | San Juan Cotzocón                 | 22,356          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20191 | San Juan Chicomezúchil            | 320             | -                  | 0%                      | 0                    | 272                | 85%                     | 2                    | -                  | 0%                      | 1                    |

| Clave | Nombre del Municipio         | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                              |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20192 | San Juan Chilateca           | 1,442           | 1,428              | 99%                     | 2                    | 1,442              | 100%                    | 2                    | 1,442              | 100%                    | 2                    |
| 20193 | San Juan del Estado          | 2,546           | 2,499              | 98%                     | 2                    | 2,546              | 100%                    | 2                    | 2,330              | 92%                     | 2                    |
| 20194 | San Juan del Río             | 1,231           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20195 | San Juan Diuxi               | 1,256           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20196 | San Juan Evangelista Analco  | 404             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20197 | San Juan Guelavía            | 3,047           | 3,047              | 100%                    | 2                    | 3,047              | 100%                    | 3                    | 3,047              | 100%                    | 2                    |
| 20198 | San Juan Guichicovi          | 28,142          | 3,591              | 13%                     | 2                    | 4,039              | 14%                     | 2                    | 3,732              | 13%                     | 2                    |
| 20199 | San Juan Ihualtepec          | 713             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20200 | San Juan Juquila Mixes       | 3,924           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20201 | San Juan Juquila Vijanos     | 1,832           | 715                | 39%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20202 | San Juan Lachao              | 4,531           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20203 | San Juan Lachigalla          | 3,285           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20204 | San Juan Lajarcia            | 715             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20205 | San Juan Lalana              | 17,398          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20206 | San Juan de los Cués         | 2,357           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 1,067              | 45%                     | 1                    |
| 20207 | San Juan Mazatlán            | 17,100          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20208 | San Juan Mixtepec -Dto. 08 - | 7,611           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20209 | San Juan Mixtepec -Dto. 26 - | 711             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20210 | San Juan Ñumí                | 6,666           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20211 | San Juan Ozolotepec          | 3,168           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio        | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-----------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                             |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20212 | San Juan Petlapa            | 2,807           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20213 | San Juan Quiahije           | 3,628           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20214 | San Juan Quiotepec          | 2,313           | 1,777              | 77%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20215 | San Juan Sayultepec         | 764             | 374                | 49%                     | 1                    | 764                | 100%                    | 1                    | 747                | 98%                     | 2                    |
| 20216 | San Juan Tabaá              | 1,331           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20217 | San Juan Tamazola           | 3,446           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20218 | San Juan Teita              | 607             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20219 | San Juan Teitipac           | 2,565           | 4                  | 0%                      | 1                    | 2,565              | 100%                    | 1                    | 342                | 13%                     | 2                    |
| 20220 | San Juan Tepeuxila          | 2,773           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20221 | San Juan Teposcolula        | 1,340           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20222 | San Juan Yaeé               | 1,530           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20223 | San Juan Yatzona            | 452             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20224 | San Juan Yucuita            | 684             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 430                | 63%                     | 2                    |
| 20225 | San Lorenzo                 | 5,955           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 580                | 10%                     | 1                    |
| 20226 | San Lorenzo Albarradas      | 2,708           | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    |
| 20227 | San Lorenzo Cacaotepec      | 13,704          | 13,566             | 99%                     | 2                    | 13,704             | 100%                    | 3                    | 13,704             | 100%                    | 2                    |
| 20228 | San Lorenzo Cuaunecuiltitla | 771             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20229 | San Lorenzo Texmelúcan      | 7,048           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20230 | San Lorenzo Victoria        | 1,007           | -                  | 0%                      | 0                    | 1,007              | 100%                    | 1                    | -                  | 0%                      | 0                    |
| 20231 | San Lucas Camotlán          | 3,026           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20232 | San Lucas Ojiltán           | 21,514          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 38                 | 0%                      | 2                    |
| 20233 | San Lucas Quiavini          | 1,745           | 83                 | 5%                      | 2                    | 1,745              | 100%                    | 3                    | 1,668              | 96%                     | 2                    |

| Clave | Nombre del Municipio       | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|----------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                            |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20234 | San Lucas Zoquiápan        | 7,554           | 415                | 5%                      | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20235 | San Luis Amatlán           | 3,624           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 113                | 3%                      | 1                    |
| 20236 | San Marcial Ozolotepec     | 1,525           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20237 | San Marcos Arteaga         | 1,557           | -                  | 0%                      | 0                    | 1                  | 0%                      | 1                    | 3                  | 0%                      | 1                    |
| 20238 | San Martín de los Cansecos | 816             | -                  | 0%                      | 0                    | 816                | 100%                    | 1                    | 147                | 18%                     | 2                    |
| 20239 | San Martín Huamelúlpam     | 1,077           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20240 | San Martín Itunyoso        | 2,460           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20241 | San Martín Lachilá         | 1,084           | -                  | 0%                      | 0                    | 358                | 33%                     | 2                    | -                  | 0%                      | 0                    |
| 20242 | San Martín Peras           | 11,361          | 8,203              | 72%                     | 1                    | -                  | 0%                      | 0                    | 9,451              | 83%                     | 1                    |
| 20243 | San Martín Tilcajete       | 1,742           | 1,415              | 81%                     | 2                    | 1,742              | 100%                    | 2                    | 1,742              | 100%                    | 2                    |
| 20244 | San Martín Tlaxpala        | 3,669           | 780                | 21%                     | 1                    | -                  | 0%                      | 0                    | 2,122              | 58%                     | 1                    |
| 20245 | San Martín Zacatepec       | 1,277           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20246 | San Mateo Cajonos          | 620             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20247 | Capulálpam de Méndez       | 1,467           | -                  | 0%                      | 0                    | 1,453              | 99%                     | 1                    | 1,467              | 100%                    | 1                    |
| 20248 | San Mateo del Mar          | 14,252          | 3,432              | 24%                     | 1                    | 3,079              | 22%                     | 2                    | 3,558              | 25%                     | 2                    |
| 20249 | San Mateo Yoloxochitlán    | 3,475           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20250 | San Mateo Etlatongo        | 1,181           | 622                | 53%                     | 2                    | 4                  | 0%                      | 2                    | 1,181              | 100%                    | 2                    |
| 20251 | San Mateo Nejápam          | 1,180           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20252 | San Mateo Peñasco          | 2,116           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20253 | San Mateo Piñas            | 2,226           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20254 | San Mateo Río Hondo        | 3,308           | 670                | 20%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio     | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|--------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                          |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20255 | San Mateo Sindihui       | 2,086           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20256 | San Mateo Tlapiltepec    | 234             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20257 | San Melchor Betaza       | 1,091           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20258 | San Miguel Achiutla      | 744             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20259 | San Miguel Ahuehuetitlán | 2,465           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20260 | San Miguel Aloápam       | 2,488           | 1,427              | 57%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20261 | San Miguel Amatitlán     | 7,244           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20262 | San Miguel Amatlán       | 1,043           | -                  | 0%                      | 0                    | 17                 | 2%                      | 1                    | 90                 | 9%                      | 1                    |
| 20263 | San Miguel Coatlán       | 3,483           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20264 | San Miguel Chicahua      | 2,274           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20265 | San Miguel Chimalapa     | 6,608           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20266 | San Miguel del Puerto    | 8,481           | 4,905              | 58%                     | 2                    | 3,308              | 39%                     | 1                    | 3,213              | 38%                     | 2                    |
| 20267 | San Miguel del Río       | 294             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 215                | 73%                     | 1                    |
| 20268 | San Miguel Ejutla        | 916             | 409                | 45%                     | 1                    | 902                | 99%                     | 2                    | 916                | 100%                    | 1                    |
| 20269 | San Miguel el Grande     | 4,127           | 1,922              | 47%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20270 | San Miguel Huautla       | 1,399           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20271 | San Miguel Mixtepec      | 3,245           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20272 | San Miguel Panixtlahuaca | 6,161           | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    | 6,161              | 100%                    | 1                    |
| 20273 | San Miguel Peras         | 3,497           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20274 | San Miguel Piedras       | 1,296           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20275 | San Miguel Quetzaltepec  | 7,293           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio      | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|---------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                           |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20276 | San Miguel Santa Flor     | 801             | -                  | 0%                      | 0                    | -                  | 0%                      |                      | -                  | 0%                      | 0                    |
| 20277 | Villa Sola de Vega        | 12,525          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20278 | San Miguel Soyaltepec     | 36,564          | 13,917             | 38%                     | 2                    | 24,311             | 66%                     | 1                    | 18,188             | 50%                     | 1                    |
| 20279 | San Miguel Suchixtepec    | 2,911           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20280 | Villa Talea de Castro     | 2,394           | 2,050              | 86%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20281 | San Miguel Tecamatlán     | 308             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 308                | 100%                    | 2                    |
| 20282 | San Miguel Tenango        | 794             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20283 | San Miguel Tequixtepec    | 1,042           | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    |
| 20284 | San Miguel Tilquiápam     | 3,160           | 2,988              | 95%                     | 1                    | 3,058              | 97%                     | 1                    | 3,128              | 99%                     | 1                    |
| 20285 | San Miguel Tlacamama      | 3,386           | -                  | 0%                      | 0                    | 2,672              | 79%                     | 1                    | 2,582              | 76%                     | 1                    |
| 20286 | San Miguel Tlacotepec     | 3,220           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20287 | San Miguel Tulancingo     | 346             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20288 | San Miguel Yotao          | 611             | 540                | 88%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20289 | San Nicolás               | 1,143           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20290 | San Nicolás Hidalgo       | 1,012           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20291 | San Pablo Coatlán         | 4,167           | 34                 | 1%                      | 1                    | 494                | 12%                     | 1                    | -                  | 0%                      | 0                    |
| 20292 | San Pablo Cuatro Venados  | 1,388           | -                  | 0%                      | 0                    | 34                 | 2%                      | 1                    | 43                 | 3%                      | 1                    |
| 20293 | San Pablo Etla            | 15,535          | 14,992             | 97%                     | 2                    | 15,535             | 100%                    | 3                    | 15,535             | 100%                    | 2                    |
| 20294 | San Pablo Huitzo          | 6,307           | 5,206              | 83%                     | 1                    | 6,027              | 96%                     | 3                    | 6,159              | 98%                     | 2                    |
| 20295 | San Pablo Huixtepec       | 9,025           | 9,025              | 100%                    | 2                    | 9,025              | 100%                    | 3                    | 9,025              | 100%                    | 2                    |
| 20296 | San Pablo Macuilitianguis | 929             | 613                | 66%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |



| Clave | Nombre del Municipio           | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|--------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20297 | San Pablo Tijaltepec           | 2,150           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20298 | San Pablo Villa de Mitla       | 11,825          | 10,013             | 85%                     | 2                    | 10,760             | 91%                     | 3                    | 10,760             | 91%                     | 2                    |
| 20299 | San Pablo Yaganiza             | 1,108           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20300 | San Pedro Amuzgos              | 6,468           | -                  | 0%                      | 0                    | 6,468              | 100%                    | 1                    | 6,458              | 100%                    | 1                    |
| 20301 | San Pedro Apóstol              | 1,544           | 1,544              | 100%                    | 1                    | 1,544              | 100%                    | 2                    | 1,544              | 100%                    | 2                    |
| 20302 | San Pedro Atoyac               | 4,136           | -                  | 0%                      | 0                    | 3,617              | 87%                     | 1                    | 3,518              | 85%                     | 1                    |
| 20303 | San Pedro Cajonos              | 1,172           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20304 | San Pedro Coxcattepec Cántaros | 851             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20305 | San Pedro Comitancillo         | 3,944           | -                  | 0%                      | 0                    | 3,927              | 100%                    | 2                    | 3,859              | 98%                     | 2                    |
| 20306 | San Pedro el Alto              | 3,903           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20307 | San Pedro Huamelula            | 9,594           | 2,232              | 23%                     | 1                    | 2,322              | 24%                     | 1                    | -                  | 0%                      | 1                    |
| 20308 | San Pedro Huilotepec           | 2,839           | 39                 | 1%                      | 1                    | 1,764              | 62%                     | 2                    | 2,790              | 98%                     | 2                    |
| 20309 | San Pedro Ixcatlán             | 10,371          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20310 | San Pedro Ixtlahuaca           | 6,822           | 262                | 4%                      | 1                    | 6,822              | 100%                    | 2                    | 6,051              | 89%                     | 2                    |
| 20311 | San Pedro Jaltepetongo         | 458             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20312 | San Pedro Jicayán              | 11,555          | 4,669              | 40%                     | 1                    | 10,859             | 94%                     | 1                    | 10,655             | 92%                     | 1                    |
| 20313 | San Pedro Jocotipac            | 834             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20314 | San Pedro Juchatengo           | 1,693           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20315 | San Pedro Mártir               | 1,711           | 1,711              | 100%                    | 1                    | 1,711              | 100%                    | 2                    | 1,444              | 84%                     | 2                    |
| 20316 | San Pedro Mártir Quiechapa     | 753             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio                 | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|--------------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                      |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20317 | San Pedro Mártir Yucuxaco            | 1,405           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20318 | San Pedro Mixtepec -Dto. 22 -        | 42,860          | 34,276             | 80%                     | 2                    | 34,613             | 81%                     | 2                    | 41,562             | 97%                     | 2                    |
| 20319 | San Pedro Mixtepec -Dto. 26 -        | 1,099           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20320 | San Pedro Molinos                    | 723             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20321 | San Pedro Nopala                     | 840             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20322 | San Pedro Ocopetatlillo              | 884             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20323 | San Pedro Ocotepec                   | 2,135           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20324 | San Pedro Pochutla                   | 43,860          | 23,309             | 53%                     | 2                    | 20,961             | 48%                     | 3                    | 32,911             | 75%                     | 2                    |
| 20325 | San Pedro Quiatoni                   | 10,491          | 5,803              | 55%                     | 1                    | 5,803              | 55%                     | 1                    | -                  | 0%                      | 0                    |
| 20326 | San Pedro Sochiápam                  | 4,957           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20327 | San Pedro Tapanatepec                | 13,992          | 8,283              | 59%                     | 2                    | 11,496             | 82%                     | 1                    | 10,913             | 78%                     | 1                    |
| 20328 | San Pedro Taviche                    | 1,173           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20329 | San Pedro Teozacoalco                | 1,320           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20330 | San Pedro Teutila                    | 4,277           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20331 | San Pedro Tidaá                      | 894             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20332 | San Pedro Topilepec                  | 406             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20333 | San Pedro Totolápam                  | 2,603           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20334 | Villa de Tututepec de Melchor Ocampo | 43,913          | 18,218             | 41%                     | 2                    | 18,806             | 43%                     | 1                    | 23,787             | 54%                     | 1                    |
| 20335 | San Pedro Yaneri                     | 1,002           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20336 | San Pedro Yólox                      | 2,267           | 43                 | 2%                      | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio              | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-----------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                   |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20337 | San Pedro y San Pablo Ayutla      | 5,602           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20338 | Villa de Etla                     | 9,280           | 9,280              | 100%                    | 2                    | 9,280              | 100%                    | 3                    | 9,280              | 100%                    | 2                    |
| 20339 | San Pedro y San Pablo Teposcolula | 3,989           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20340 | San Pedro y San Pablo Tequixtepec | 1,878           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20341 | San Pedro Yucunama                | 232             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20342 | San Raymundo Jalpan               | 2,079           | 2,079              | 100%                    | 2                    | 2,079              | 100%                    | 3                    | 2,079              | 100%                    | 2                    |
| 20343 | San Sebastián Abasco              | 1,849           | 1,824              | 99%                     | 2                    | 1,849              | 100%                    | 1                    | 1,849              | 100%                    | 2                    |
| 20344 | San Sebastián Coatlán             | 2,613           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20345 | San Sebastián Ixcapa              | 3,968           | -                  | 0%                      | 0                    | 61                 | 2%                      | 1                    | -                  | 0%                      | 1                    |
| 20346 | San Sebastián Nicananduta         | 1,449           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20347 | San Sebastián Río Hondo           | 3,664           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20348 | San Sebastián Tecomaxtlahuaca     | 8,246           | 2,503              | 30%                     | 2                    | 4,222              | 51%                     | 1                    | 3,437              | 42%                     | 1                    |
| 20349 | San Sebastián Teitipac            | 1,976           | -                  | 0%                      | 0                    | 1,872              | 95%                     | 2                    | 1,702              | 86%                     | 2                    |
| 20350 | San Sebastián Tutla               | 16,241          | 16,234             | 100%                    | 2                    | 16,241             | 100%                    | 3                    | 16,241             | 100%                    | 2                    |
| 20351 | San Simón Almolongas              | 2,623           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20352 | San Simón Zahuatlán               | 3,833           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20353 | Santa Ana                         | 1,978           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20354 | Santa Ana Ateixtlahuaca           | 510             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20355 | Santa Ana Cuauhtémoc              | 738             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20356 | Santa Ana del Valle               | 1,993           | 1,939              | 97%                     | 2                    | 1,993              | 100%                    | 3                    | 1,993              | 100%                    | 2                    |

| Clave | Nombre del Municipio     | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|--------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                          |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20357 | Santa Ana Tavela         | 908             | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20358 | Santa Ana Tlapacoyan     | 1,854           | 1,074              | 58%                     | 2                    | 933                | 50%                     | 2                    | 890                | 48%                     | 2                    |
| 20359 | Santa Ana Yareni         | 809             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 35                 | 4%                      | 1                    |
| 20360 | Santa Ana Zegache        | 3,592           | 3,555              | 99%                     | 2                    | 3,592              | 100%                    | 2                    | 3,592              | 100%                    | 2                    |
| 20361 | Santa Catalina Quierí    | 922             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20362 | Santa Catarina Cuixtla   | 1,496           | 825                | 55%                     | 2                    | -                  | 0%                      | 0                    | 1,486              | 99%                     | 1                    |
| 20363 | Santa Catarina Ixtepeji  | 2,633           | -                  | 0%                      | 0                    | 1,168              | 44%                     | 1                    | 1,220              | 46%                     | 1                    |
| 20364 | Santa Catarina Juquila   | 14,710          | 8,844              | 60%                     | 1                    | 4,792              | 33%                     | 1                    | 8,938              | 61%                     | 1                    |
| 20365 | Santa Catarina Lachatao  | 1,307           | -                  | 0%                      | 0                    | 38                 | 3%                      | 1                    | 719                | 55%                     | 1                    |
| 20366 | Santa Catarina Loxicha   | 3,986           | 3,641              | 91%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20367 | Santa Catarina Mechoacán | 4,543           | -                  | 0%                      | 0                    | 4,495              | 99%                     | 1                    | 1,375              | 30%                     | 1                    |
| 20368 | Santa Catarina Minas     | 1,816           | 1,753              | 97%                     | 2                    | 1,816              | 100%                    | 2                    | 1,792              | 99%                     | 2                    |
| 20369 | Santa Catarina Quiané    | 1,847           | 358                | 19%                     | 2                    | 1,847              | 100%                    | 3                    | 1,847              | 100%                    | 2                    |
| 20370 | Santa Catarina Tayata    | 679             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20371 | Santa Catarina Ticuá     | 954             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20372 | Santa Catarina Yosonotú  | 1,886           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20373 | Santa Catarina Zapotilla | 448             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20374 | Santa Cruz Acatepec      | 1,470           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20375 | Santa Cruz Amilpas       | 10,120          | 9,488              | 94%                     | 2                    | 10,120             | 100%                    | 3                    | 10,120             | 100%                    | 2                    |
| 20376 | Santa Cruz de Bravo      | 364             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio       | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|----------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                            |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20377 | Santa Cruz Itundujia       | 10,975          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20378 | Santa Cruz Mixtepec        | 3,615           | 618                | 17%                     | 1                    | 1,264              | 35%                     | 2                    | 476                | 13%                     | 2                    |
| 20379 | Santa Cruz Nundaco         | 2,958           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20380 | Santa Cruz Papalutla       | 1,972           | 7                  | 0%                      | 2                    | 1,972              | 100%                    | 3                    | 1,972              | 100%                    | 2                    |
| 20381 | Santa Cruz Tacache de Mina | 2,606           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20382 | Santa Cruz Tacahua         | 1,170           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20383 | Santa Cruz Tayata          | 608             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20384 | Santa Cruz Xitla           | 4,514           | 157                | 3%                      | 1                    | -                  | 0%                      | 0                    | 2,708              | 60%                     | 1                    |
| 20385 | Santa Cruz Xoxocotlán      | 77,833          | 72,767             | 93%                     | 2                    | 77,833             | 100%                    | 3                    | 77,833             | 100%                    | 2                    |
| 20386 | Santa Cruz Zenzontepec     | 17,897          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20387 | Santa Gertrudis            | 2,858           | 2,522              | 88%                     | 2                    | 2,858              | 100%                    | 2                    | 2,858              | 100%                    | 2                    |
| 20388 | Santa Inés del Monte       | 2,535           | -                  | 0%                      | 0                    | 1,198              | 47%                     | 2                    | 1,913              | 75%                     | 2                    |
| 20389 | Santa Inés Yatzeche        | 921             | 921                | 100%                    | 2                    | 921                | 100%                    | 3                    | 921                | 100%                    | 2                    |
| 20390 | Santa Lucía del Camino     | 47,356          | 47,358             | 100%                    | 2                    | 47,358             | 100%                    | 3                    | 47,358             | 100%                    | 2                    |
| 20391 | Santa Lucía Miahuatlán     | 3,356           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20392 | Santa Lucía Monteverde     | 6,678           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20393 | Santa Lucía Ocotlán        | 3,604           | 3,526              | 98%                     | 2                    | 3,604              | 100%                    | 2                    | 3,604              | 100%                    | 2                    |
| 20394 | Santa María Alotepec       | 2,778           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20395 | Santa María Apazco         | 1,898           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20396 | Santa María la Asunción    | 3,252           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20397 | Heroica Ciudad de Tlaxiaco | 38,453          | 29,897             | 78%                     | 1                    | 36,183             | 94%                     | 1                    | 37,705             | 98%                     | 1                    |

| Clave | Nombre del Municipio      | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|---------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                           |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20398 | Ayoquezco de Aldama       | 4,406           | -                  | 0%                      | 0                    | 4,143              | 94%                     | 2                    | 4,016              | 91%                     | 1                    |
| 20399 | Santa María Atzompa       | 27,465          | 23,320             | 85%                     | 2                    | 27,421             | 100%                    | 3                    | 27,064             | 99%                     | 2                    |
| 20400 | Santa María Camotlán      | 1,632           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 11                 | 1%                      | 1                    |
| 20401 | Santa María Colotepec     | 22,562          | 19,271             | 85%                     | 2                    | 17,470             | 77%                     | 2                    | 19,930             | 88%                     | 2                    |
| 20402 | Santa María Cortijo       | 1,083           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 27                 | 2%                      | 1                    |
| 20403 | Santa María Coyotepec     | 2,772           | 2,772              | 100%                    | 2                    | 2,772              | 100%                    | 3                    | 2,772              | 100%                    | 2                    |
| 20404 | Santa María Chachoápam    | 766             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20405 | Villa de Chilapa de Díaz  | 1,932           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20406 | Santa María Chilchotla    | 20,584          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20407 | Santa María Chimalapa     | 8,506           | 3,082              | 36%                     | 1                    | 3,082              | 36%                     | 1                    | -                  | 0%                      | 0                    |
| 20408 | Santa María del Rosario   | 480             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 2                  | 0%                      | 1                    |
| 20409 | Santa María del Tule      | 8,165           | 8,165              | 100%                    | 2                    | 8,165              | 100%                    | 2                    | 8,165              | 100%                    | 2                    |
| 20410 | Santa María Ecatepec      | 3,461           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20411 | Santa María Guelacé       | 816             | 816                | 100%                    | 2                    | 816                | 100%                    | 1                    | 816                | 100%                    | 2                    |
| 20412 | Santa María Guienagati    | 3,286           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20413 | Santa María Huatulco      | 38,629          | 28,685             | 74%                     | 2                    | 32,537             | 84%                     | 3                    | 36,803             | 95%                     | 2                    |
| 20414 | Santa María Huazolotitlán | 10,794          | 5,967              | 55%                     | 1                    | 10,566             | 98%                     | 1                    | 847                | 8%                      | 1                    |
| 20415 | Santa María Ipalapa       | 4,888           | -                  | 0%                      | 0                    | 396                | 8%                      | 1                    | 308                | 6%                      | 1                    |
| 20416 | Santa María Ixcatlán      | 516             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20417 | Santa María Jacatepec     | 9,240           | -                  | 0%                      | 0                    | 369                | 4%                      | 1                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio           | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|--------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20418 | Santa María Jalapa del Marqués | 11,888          | 8,862              | 75%                     | 2                    | 10,510             | 88%                     | 1                    | 8,188              | 69%                     | 2                    |
| 20419 | Santa María Jaltianguis        | 575             | -                  | 0%                      | 0                    | 72                 | 12%                     | 1                    | 97                 | 17%                     | 1                    |
| 20420 | Santa María Lachixío           | 1,680           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20421 | Santa María Mixtequilla        | 4,442           | 3,365              | 76%                     | 2                    | 3,787              | 85%                     | 2                    | 4,442              | 100%                    | 2                    |
| 20422 | Santa María Nativitas          | 681             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20423 | Santa María Nduayaco           | 550             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20424 | Santa María Ozolotepec         | 3,992           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20425 | Santa María Pápalo             | 2,209           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20426 | Santa María Peñoles            | 7,865           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20427 | Santa María Petapa             | 15,387          | 11,871             | 77%                     | 2                    | 13,257             | 86%                     | 3                    | 13,705             | 89%                     | 2                    |
| 20428 | Santa María Quiegolani         | 1,770           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20429 | Santa María Sola               | 1,524           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20430 | Santa María Tataltepec         | 253             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20431 | Santa María Tecomavaca         | 1,774           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20432 | Santa María Temascalapa        | 968             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20433 | Santa María Temascaltepec      | 2,595           | -                  | 0%                      | 0                    | 129                | 5%                      | 1                    | -                  | 0%                      | 1                    |
| 20434 | Santa María Teopoxco           | 4,651           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20435 | Santa María Tepantlali         | 3,505           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20436 | Santa María Texcatitlán        | 1,113           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20437 | Santa María Tlahuilottepec     | 9,663           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio    | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                         |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20438 | Santa María Tlalixtác   | 1,754           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20439 | Santa María Tonameca    | 24,318          | 2,396              | 10%                     | 2                    | 439                | 2%                      | 3                    | 5,567              | 23%                     | 2                    |
| 20440 | Santa María Totolapilla | 896             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20441 | Santa María Xadani      | 7,781           | 5,612              | 72%                     | 2                    | 7,656              | 98%                     | 3                    | 7,777              | 100%                    | 2                    |
| 20442 | Santa María Yalina      | 354             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20443 | Santa María Yavesía     | 448             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    |
| 20444 | Santa María Yolotepec   | 461             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20445 | Santa María Yosoyúa     | 1,642           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20446 | Santa María Yucuhiti    | 6,551           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20447 | Santa María Zacatepec   | 15,076          | -                  | 0%                      | 0                    | 4,411              | 29%                     | 1                    | 5,922              | 39%                     | 1                    |
| 20448 | Santa María Zaniza      | 2,009           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20449 | Santa María Zoquitlán   | 3,359           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20450 | Santiago Amoltepec      | 12,313          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20451 | Santiago Apoala         | 1,053           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20452 | Santiago Apóstol        | 4,220           | 4,220              | 100%                    | 2                    | 4,220              | 100%                    | 2                    | 4,220              | 100%                    | 2                    |
| 20453 | Santiago Astata         | 3,915           | -                  | 0%                      | 0                    | 1,386              | 35%                     | 1                    | -                  | 0%                      | 0                    |
| 20454 | Santiago Atitlán        | 3,180           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20455 | Santiago Ayuquilla      | 2,748           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20456 | Santiago Cacaloxtpec    | 1,686           | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    | 554                | 33%                     | 1                    |
| 20457 | Santiago Camotlán       | 3,395           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20458 | Santiago Comaltepec     | 1,115           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |



| Clave | Nombre del Municipio     | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|--------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                          |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20459 | Santiago Chazumba        | 4,479           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20460 | Santiago Choápam         | 5,413           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20461 | Santiago del Río         | 614             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20462 | Santiago Huajolotitlán   | 4,350           | 2,149              | 49%                     | 2                    | 2,300              | 53%                     | 2                    | 3,123              | 72%                     | 1                    |
| 20463 | Santiago Huauclilla      | 663             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20464 | Santiago Ihuatlán Plumas | 480             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20465 | Santiago Ixcuintepec     | 1,568           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20466 | Santiago Ixtayutla       | 11,917          | 1,465              | 12%                     | 1                    | 1,051              | 9%                      | 1                    | -                  | 0%                      | 0                    |
| 20467 | Santiago Jamiltepec      | 18,383          | 437                | 2%                      | 1                    | 7,889              | 43%                     | 2                    | 11,962             | 65%                     | 1                    |
| 20468 | Santiago Jocotepec       | 13,568          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 3                  | 0%                      | 1                    |
| 20469 | Santiago Juxtlahuaca     | 32,927          | 19,062             | 58%                     | 2                    | 19,305             | 59%                     | 1                    | 19,484             | 59%                     | 1                    |
| 20470 | Santiago Lachiguiri      | 4,693           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20471 | Santiago Lalopa          | 496             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20472 | Santiago Laollaga        | 3,198           | -                  | 0%                      | 0                    | 2,141              | 67%                     | 1                    | 2,089              | 65%                     | 1                    |
| 20473 | Santiago Laxopa          | 1,394           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20474 | Santiago Llano Grande    | 3,260           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20475 | Santiago Matatlán        | 9,653           | 4,446              | 46%                     | 2                    | 9,105              | 94%                     | 3                    | 7,332              | 76%                     | 2                    |
| 20476 | Santiago Miltepec        | 409             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20477 | Santiago Minas           | 1,430           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20478 | Santiago Nacaltepec      | 1,913           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20479 | Santiago Nejapilla       | 219             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20480 | Santiago Nundiche        | 967             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio       | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|----------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                            |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20481 | Santiago Nuyoó             | 1,966           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20482 | Santiago Pinotepa Nacional | 50,309          | 25,051             | 50%                     | 2                    | 28,326             | 56%                     | 2                    | 36,200             | 72%                     | 2                    |
| 20483 | Santiago Suchilquitongo    | 9,542           | 7,136              | 75%                     | 2                    | 9,542              | 100%                    | 3                    | 8,638              | 91%                     | 2                    |
| 20484 | Santiago Tamazola          | 4,207           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20485 | Santiago Tapextla          | 3,031           | 136                | 4%                      | 1                    | 429                | 14%                     | 1                    | -                  | 0%                      | 0                    |
| 20486 | Villa Tejúpam de la Unión  | 2,469           | -                  | 0%                      | 0                    | 691                | 28%                     | 1                    | -                  | 0%                      | 0                    |
| 20487 | Santiago Tenango           | 1,945           | -                  | 0%                      | 0                    | 24                 | 1%                      | 1                    | 4                  | 0%                      | 1                    |
| 20488 | Santiago Tepetlapa         | 131             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20489 | Santiago Tetepec           | 4,953           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 2,242              | 45%                     | 1                    |
| 20490 | Santiago Texcalcingo       | 3,076           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20491 | Santiago Textitlán         | 4,170           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20492 | Santiago Tilantongo        | 3,210           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20493 | Santiago Tillo             | 553             | -                  | 0%                      | 0                    | 553                | 100%                    | 1                    | 535                | 97%                     | 2                    |
| 20494 | Santiago Tlazoyaltepec     | 4,894           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 109                | 2%                      | 1                    |
| 20495 | Santiago Xanica            | 2,884           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20496 | Santiago Xiacuí            | 2,171           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 681                | 31%                     | 1                    |
| 20497 | Santiago Yaitepec          | 4,122           | 3,291              | 80%                     | 1                    | 3,833              | 93%                     | 1                    | 4,122              | 100%                    | 1                    |
| 20498 | Santiago Yaveo             | 6,665           | 2                  | 0%                      | 1                    | 3                  | 0%                      | 1                    | -                  | 0%                      | 0                    |
| 20499 | Santiago Yolomécatl        | 2,021           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20500 | Santiago Yosondúa          | 7,883           | 1,099              | 14%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20501 | Santiago Yucuyachi         | 940             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio      | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|---------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                           |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20502 | Santiago Zacatepec        | 5,515           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20503 | Santiago Zoochila         | 374             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20504 | Nuevo Zoquiápam           | 1,652           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20505 | Santo Domingo Ingenio     | 7,554           | 5,976              | 79%                     | 2                    | 6,149              | 81%                     | 1                    | 7,350              | 97%                     | 1                    |
| 20506 | Santo Domingo Albarradas  | 782             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20507 | Santo Domingo Armenta     | 3,224           | 2,790              | 87%                     | 1                    | 2,884              | 89%                     | 1                    | -                  | 0%                      | 0                    |
| 20508 | Santo Domingo Chihuitán   | 1,521           | 6                  | 0%                      | 1                    | 1,521              | 100%                    | 2                    | 525                | 35%                     | 2                    |
| 20509 | Santo Domingo de Morelos  | 10,547          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20510 | Santo Domingo Ixcatlán    | 877             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20511 | Santo Domingo Nuxaá       | 3,610           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20512 | Santo Domingo Ozolotepec  | 913             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20513 | Santo Domingo Petapa      | 8,394           | 5,191              | 62%                     | 2                    | 5,655              | 67%                     | 1                    | 5,705              | 68%                     | 1                    |
| 20514 | Santo Domingo Roayaga     | 997             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20515 | Santo Domingo Tehuantepec | 61,872          | 34,169             | 55%                     | 2                    | 39,333             | 64%                     | 3                    | 41,651             | 67%                     | 2                    |
| 20516 | Santo Domingo Tejomulco   | 4,571           | -                  | 0%                      | 0                    | 3,348              | 73%                     | 1                    | -                  | 0%                      | 0                    |
| 20517 | Santo Domingo Tepuxtepec  | 5,194           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20518 | Santo Domingo Tlatayápam  | 153             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20519 | Santo Domingo Tomaltepec  | 2,790           | 2,790              | 100%                    | 2                    | 2,790              | 100%                    | 2                    | 2,790              | 100%                    | 1                    |
| 20520 | Santo Domingo Tonalá      | 7,153           | -                  | 0%                      | 0                    | 5,687              | 80%                     | 1                    | -                  | 0%                      | 0                    |
| 20521 | Santo Domingo Tonaltepec  | 276             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio              | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-----------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                   |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20522 | Santo Domingo Xagacía             | 1,213           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20523 | Santo Domingo Yanhuitlán          | 1,609           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20524 | Santo Domingo Yodohino            | 369             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20525 | Santo Domingo Zanatepec           | 11,218          | 6,331              | 56%                     | 1                    | 8,907              | 79%                     | 1                    | 5,785              | 52%                     | 1                    |
| 20526 | Santos Reyes Nopala               | 15,986          | 6,056              | 38%                     | 1                    | 10,193             | 64%                     | 1                    | 6,439              | 40%                     | 1                    |
| 20527 | Santos Reyes Pápalo               | 2,829           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20528 | Santos Reyes Tepejillo            | 1,213           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20529 | Santos Reyes Yucuná               | 1,332           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20530 | Santo Tomás Jalieza               | 3,385           | 1,898              | 56%                     | 2                    | 2,656              | 78%                     | 2                    | 2,217              | 65%                     | 2                    |
| 20531 | Santo Tomás Mazaltepec            | 2,333           | -                  | 0%                      | 0                    | 2,333              | 100%                    | 2                    | 1,480              | 63%                     | 2                    |
| 20532 | Santo Tomás Ocotepec              | 4,076           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20533 | Santo Tomás Tamazulapan           | 2,191           | 1,695              | 77%                     | 2                    | -                  | 0%                      | 0                    | 1,773              | 81%                     | 1                    |
| 20534 | San Vicente Coatlán               | 3,964           | 3,946              | 100%                    | 1                    | 3,959              | 100%                    | 1                    | -                  | 0%                      | 0                    |
| 20535 | San Vicente Lachixío              | 2,976           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20536 | San Vicente Nuñú                  | 493             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20537 | Silacayoápam                      | 6,747           | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    |
| 20538 | Sitio de Xitlapehua               | 705             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | 309                | 44%                     | 1                    |
| 20539 | Soledad Etla                      | 5,025           | 4,835              | 96%                     | 2                    | 5,025              | 100%                    | 2                    | 5,025              | 100%                    | 2                    |
| 20540 | Villa de Tamazulápam del Progreso | 7,059           | 7,025              | 100%                    | 1                    | 7,059              | 100%                    | 1                    | 7,059              | 100%                    | 1                    |
| 20541 | Tanetze de Zaragoza               | 1,707           | 1,504              | 88%                     | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio                | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|-------------------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                                     |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20542 | Taniche                             | 746             | 746                | 100%                    | 1                    | 746                | 100%                    | 2                    | 746                | 100%                    | 1                    |
| 20543 | Tataltepec de Valdés                | 5,561           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20544 | Teococuilco de Marcos Pérez         | 1,106           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20545 | Teotitlán de Flores Magón           | 8,966           | 8,405              | 94%                     | 1                    | -                  | 0%                      | 0                    | 8,798              | 98%                     | 1                    |
| 20546 | Teotitlán del Valle                 | 5,638           | 3,357              | 60%                     | 2                    | 5,626              | 100%                    | 3                    | 3,735              | 66%                     | 2                    |
| 20547 | Teotongo                            | 951             | -                  | 0%                      | 0                    | 734                | 77%                     | 1                    | -                  | 0%                      | 0                    |
| 20548 | Tepelmeme Villa de Morelos          | 1,734           | 332                | 19%                     | 1                    | -                  | 0%                      | 0                    | 501                | 29%                     | 1                    |
| 20549 | Tezoatlán de Segura y Luna          | 11,319          | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20550 | San Jerónimo Tlacochahuaya          | 5,076           | 4,437              | 87%                     | 2                    | 5,076              | 100%                    | 2                    | 5,076              | 100%                    | 2                    |
| 20551 | Tlacolula de Matamoros              | 19,625          | 17,631             | 90%                     | 2                    | 19,310             | 98%                     | 3                    | 19,307             | 98%                     | 2                    |
| 20552 | Tlacotepec Plumas                   | 510             | 26                 | 5%                      | 1                    | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    |
| 20553 | Tlalixtac de Cabrera                | 9,417           | 9,318              | 99%                     | 2                    | 9,415              | 100%                    | 3                    | 9,415              | 100%                    | 2                    |
| 20554 | Totontepec Villa de Morelos         | 5,598           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20555 | Trinidad Zaachila                   | 2,653           | 2,238              | 84%                     | 2                    | 2,653              | 100%                    | 3                    | 2,653              | 100%                    | 2                    |
| 20556 | La Trinidad Vista Hermosa           | 249             | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20557 | Unión Hidalgo                       | 13,970          | 13,970             | 100%                    | 2                    | 13,970             | 100%                    | 2                    | 13,970             | 100%                    | 1                    |
| 20558 | Valerio Trujano                     | 1,543           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20559 | San Juan Bautista Valle Nacional    | 22,446          | -                  | 0%                      | 0                    | 7,123              | 32%                     | 1                    | 6,800              | 30%                     | 1                    |
| 20560 | Villa Díaz Ordaz                    | 6,174           | 3,416              | 55%                     | 1                    | 4,370              | 71%                     | 1                    | 3,643              | 59%                     | 2                    |
| 20561 | Yaxe                                | 2,683           | -                  | 0%                      | 0                    | -                  | 0%                      | 1                    | -                  | 0%                      | 0                    |
| 20562 | Magdalena Yodocono de Porfirio Díaz | 1,458           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |

| Clave | Nombre del Municipio   | Población total | 2G                 |                         |                      | 3G                 |                         |                      | 4G                 |                         |                      |
|-------|------------------------|-----------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|--------------------|-------------------------|----------------------|
|       |                        |                 | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores | Población cubierta | Porcentaje de cobertura | Número de operadores |
| 20563 | Yogana                 | 1,308           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20564 | Yutanduchi de Guerrero | 1,292           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20565 | Villa de Zaachila      | 34,101          | 33,699             | 99%                     | 2                    | 34,101             | 100%                    | 3                    | 34,101             | 100%                    | 2                    |
| 20566 | San Mateo Yucutindó    | 3,034           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20567 | Zapotitlán Lagunas     | 3,133           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20568 | Zapotitlán Palmas      | 1,514           | 1,439              | 95%                     | 1                    | 1,479              | 98%                     | 1                    | 1,514              | 100%                    | 1                    |
| 20569 | Santa Inés de Zaragoza | 1,707           | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    | -                  | 0%                      | 0                    |
| 20570 | Zimatlán de Álvarez    | 19,215          | 16,961             | 88%                     | 2                    | 17,288             | 90%                     | 3                    | 16,739             | 87%                     | 2                    |

Por último, se resalta que en los municipios que cuentan con Tecnología 4G únicamente se encuentran dando servicio 2 operadores como máximo.

## CONTACTO

**Luis Raul Rey Jiménez**

Director General de Compartición de Infraestructura

[luis.rey@ift.org.mx](mailto:luis.rey@ift.org.mx)

50154000 ext. 4746

**Anaid Karina Limón Rivera**

Subdirectora de Análisis de Despliegue, Compartición y Costos 1

[anaid.limon@ift.org.mx](mailto:anaid.limon@ift.org.mx)

50154000 ext. 4853