# ACLARACIÓN N° 11
# LICITACIÓN PÚBLICA “SISTEMAS DE SEGURIDAD EN ESTACIONES COMUNICACIONES Y WIRELESS”

1.- Se modifican formularios económicos 2.2, 2.4, 2.6, 2.8, 2.10 y 3.2. de acuerdo a lo siguiente: (La versión editable en Excel está disponible en portal Metro).

FORMULARIO 2.2 OFERTA ECONÓMICA WIRELESS LÍNEA 1 (OPCIONAL)

| ITEM | DESCRIPCION | UNIDAD | CANTIDAD | PRECIO UNITARIO EN UF | PRECIO TOTAL EN UF |
|---|---|---|---|---|---|
| | **SUMINISTRO DE EQUIPAMIENTO** | | | | |
| | **LINEAS L1** | | | | |
| | **Mesanina** | | | | |
| 2.2.1 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 45 | | |
| 2.2.2 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 45 | | |
| 2.2.3 | Licencias Access-Points "C1FPAIR1000K9" para L1 | c/u | 45 | | |
| 2.2.4 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L1 | c/u | 45 | | |
| 2.2.5 | Mástil Access-Points | c/u | 14 | | |
| 2.2.6 | Soporte Access-Points | c/u | 14 | | |
| 2.2.7 | Punto de Red para Access-Points | c/u | 45 | | |
| 2.2.8 | User Cord (UTP) Cat 6 | c/u | 45 | | |
| | **Anden Via1-Via2** | | | | |
| 2.2.9 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 174 | | |
| 2.2.10 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 174 | | |
| 2.2.11 | Licencias Access-Points "C1FPAIR1000K9" para L1 | c/u | 174 | | |
| 2.2.12 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L1 | c/u | 174 | | |
| 2.2.13 | Mástil Access-Points | c/u | 17 | | |
| 2.2.14 | Soporte Access-Points | c/u | 17 | | |
| 2.2.15 | Punto de Red para Access-Points | c/u | 174 | | |
| 2.2.16 | User Cord (UTP) Cat 6 | c/u | 174 | | |
| 2.2.17 | Patch Cord Cord S/FTP Cat.6 - Access-Point | c/u | 219 | | |
| | **Licencias Libres** | | | | |
| 2.2.18 | Licencias Access-Points "C1FPAIR1000K9" libres L1 | c/u | 15 | | |
| 2.2.19 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L1 | c/u | 15 | | |
| | | | | | |
| | Nota: Metro podrá adjudicar, si estima conveniente, este servicio | | **TOTAL NETO** | | |
| | | | **IVA 19%** | | |
| | | | **TOTAL IMPUESTO INCLUIDO** | | |

REPRESENTANTE LEGAL DEL PROPONENTE
(Firma y Timbre)
Fecha: ___/___/___

## FORMULARIO N° 2.4: OFERTA ECONÓMICA WIRELESS LÍNEA 2 (OPCIONAL)

| ITEM | DESCRIPCION | UNIDAD | CANTIDAD | PRECIO UNITARIO EN UF | PRECIO TOTAL EN UF |
|---|---|---|---|---|---|
| | **SUMINISTRO DE EQUIPAMIENTO** | | | | |
| | **LINEAS L2** | | | | |
| | **Mesanina** | | | | |
| 2.4.1 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 43 | | |
| 2.4.2 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 43 | | |
| 2.4.3 | Licencias Access-Points "C1FPAIR1000K9" para L2 | c/u | 43 | | |
| 2.4.4 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L2 | c/u | 43 | | |
| 2.4.5 | Mástil Access-Points | c/u | 12 | | |
| 2.4.6 | Soporte Access-Points | c/u | 12 | | |
| 2.4.7 | Punto de Red para Access-Points | c/u | 43 | | |
| 2.4.8 | User Cord (UTP) Cat 6 | c/u | 43 | | |
| | **Anden Via1-Via2** | | | | |
| 2.4.9 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 143 | | |
| 2.4.10 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 143 | | |
| 2.4.11 | Licencias Access-Points "C1FPAIR1000K9" para L2 | c/u | 143 | | |
| 2.4.12 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L2 | c/u | 143 | | |
| 2.4.13 | Mástil Access-Points | c/u | 35 | | |
| 2.4.14 | Soporte Access-Points | c/u | 35 | | |
| 2.4.15 | Punto de Red para Access-Points | c/u | 143 | | |
| 2.4.16 | User Cord (UTP) Cat 6 | c/u | 143 | | |
| 2.4.17 | Patch Cord Cord S/FTP Cat.6 - Access-Point | c/u | 186 | 186 | |
| | **Licencias Libres** | | | | |
| 2.6.18 | Licencias Access-Points "C1FPAIR1000K9" libres L2 | c/u | 13 | | |
| 2.6.19 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L2 | c/u | 13 | | |
| | | | | | |
| | | | **TOTAL NETO** | | |
| | | | **IVA 19%** | | |
| | | | **TOTAL IMPUESTO INCLUIDO** | | |

REPRESENTANTE LEGAL DEL PROPONENTE
(Firma y Timbre)
Fecha: ___/___/___

## FORMULARIO 2.6 OFERTA ECONÓMICA WIRELESS LÍNEA 4 (OPCIONAL)

| ITEM | DESCRIPCION | UNIDAD | CANTIDAD | PRECIO UNITARIO EN UF | PRECIO TOTAL EN UF |
|---|---|---|---|---|---|
| | **SUMINISTRO DE EQUIPAMIENTO** | | | | |
| | **LINEAS L4** | | | | |
| | **Mesanina** | | | | |
| 2.6.1 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 47 | | |
| 2.6.2 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 47 | | |
| 2.6.3 | Licencias Access-Points "C1FPAIR1000K9" para L4 | | 47 | | |
| 2.6.4 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L4 | | 47 | | |
| 2.6.5 | Mástil Access-Points | c/u | 25 | | |
| 2.6.6 | Soporte Access-Points | c/u | 25 | | |
| 2.6.7 | Punto de Red para Access-Points | c/u | 47 | | |
| 2.6.8 | User Cord (UTP) Cat 6 | c/u | 47 | | |
| | **Anden Via1-Via2** | | | | |
| 2.6.9 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 143 | | |
| 2.6.10 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 143 | | |
| 2.6.11 | Licencias Access-Points "C1FPAIR1000K9" para L4 | | 143 | | |
| 2.6.12 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L4 | | 143 | | |
| 2.6.13 | Mástil Access-Points | c/u | 38 | | |
| 2.6.14 | Soporte Access-Points | c/u | 38 | | |
| 2.6.15 | Punto de Red para Access-Points | c/u | 143 | | |
| 2.6.16 | User Cord (UTP) Cat 6 | c/u | 143 | | |
| 2.6.17 | Patch Cord Cord S/FTP Cat.6 - Access-Point | c/u | 190 | | |
| | **Licencias Libres** | | | | |
| 2.6.18 | Licencias Access-Points "C1FPAIR1000K9" libres L4 | c/u | 13 | | |
| 2.6.19 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L4 | c/u | 13 | | |
| | | | | | |
| | | | **TOTAL NETO** | | |
| | | | **IVA 19%** | | |
| | | | **TOTAL IMPUESTO INCLUIDO** | | |

REPRESENTANTE LEGAL DEL PROPONENTE
(Firma y Timbre)
Fecha: ___/___/___

## FORMULARIO N° 2.8: OFERTA ECONÓMICA WIRELESS LÍNEA 4A (OPCIONAL)

| ITEM | DESCRIPCION | UNIDAD | CANTIDAD | PRECIO UNITARIO EN UF | PRECIO TOTAL EN UF |
|---|---|---|---|---|---|
| | **SUMINISTRO DE EQUIPAMIENTO** | | | | |
| | **LINEAS L4A** | | | | |
| | **Mesanina** | | | | |
| 2.8.1 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 18 | | |
| 2.8.2 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 18 | | |
| 2.8.3 | Licencias Access-Points "C1FPAIR1000K9" para L4A | | 18 | | |
| 2.8.4 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L4A | | 18 | | |
| 2.8.5 | Mástil Access-Points | c/u | 2 | | |
| 2.8.6 | Soporte Access-Points | c/u | 2 | | |
| 2.8.7 | Punto de Red para Access-Points | c/u | 18 | | |
| 2.8.8 | User Cord (UTP) Cat 6 | c/u | 18 | | |
| | **Anden Via1-Via2** | | | | |
| 2.8.9 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 38 | | |
| 2.8.10 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 38 | | |
| 2.8.11 | Licencias Access-Points "C1FPAIR1000K9" para L4A | | 38 | | |
| 2.8.12 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L4A | | 38 | | |
| 2.8.13 | Mástil Access-Points | c/u | 17 | | |
| 2.8.14 | Soporte Access-Points | c/u | 17 | | |
| 2.8.15 | Punto de Red para Access-Points | c/u | 38 | | |
| 2.8.16 | User Cord (UTP) Cat 6 | c/u | 38 | | |
| 2.8.17 | Patch Cord Cord S/FTP Cat.6 - Access-Point | c/u | 56 | | |
| | **Licencias Libres** | | | | |
| 2.8.18 | Licencias Access-Points "C1FPAIR1000K9" libres L4A | c/u | 4 | | |
| 2.8.19 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L4A | c/u | 4 | | |
| | | | | | |
| | | | **TOTAL NETO** | | |
| | | | **IVA 19%** | | |
| | | | **TOTAL IMPUESTO INCLUIDO** | | |

REPRESENTANTE LEGAL DEL PROPONENTE
(Firma y Timbre)
Fecha: ___/___/___

## FORMULARIO N° 2.10: OFERTA ECONÓMICA WIRELESS LÍNEA 5 (OPCIONAL)

| ITEM | DESCRIPCION | UNIDAD | CANTIDAD | PRECIO UNITARIO EN UF | PRECIO TOTAL EN UF |
|---|---|---|---|---|---|
| | **SUMINISTRO DE EQUIPAMIENTO** | | | | |
| | **LINEAS L5** | | | | |
| | **Mesanina** | | | | |
| 2.10.1 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 88 | | |
| 2.10.2 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 88 | | |
| 2.10.3 | Licencias Access-Points "C1FPAIR1000K9" para L5 | c/u | 88 | | |
| 2.10.4 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L5 | c/u | 88 | | |
| 2.10.5 | Mástil Access-Points | c/u | 0 | | |
| 2.10.6 | Soporte Access-Points | c/u | 0 | | |
| 2.10.7 | Punto de Red para Access-Points | c/u | 88 | | |
| 2.10.8 | User Cord (UTP) Cat 6 | c/u | 88 | | |
| | **Anden Via1-Via2** | | | | |
| 2.10.9 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 197 | | |
| 2.10.10 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 197 | | |
| 2.10.11 | Licencias Access-Points "C1FPAIR1000K9" para L5 | c/u | 197 | | |
| 2.10.12 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" para L5 | c/u | 197 | | |
| 2.10.13 | Mástil Access-Points | c/u | 0 | | |
| 2.10.14 | Soporte Access-Points | c/u | 0 | | |
| 2.10.15 | Punto de Red para Access-Points | c/u | 197 | | |
| 2.10.16 | User Cord (UTP) Cat 6 | c/u | 197 | | |
| 2.10.17 | Patch Cord Cord S/FTP Cat.6 - Access-Point | c/u | 285 | | |
| | **Licencias Libres** | | | | |
| 2.8.18 | Licencias Access-Points "C1FPAIR1000K9" libres L5 | c/u | 19 | | |
| 2.8.19 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L5 | c/u | 19 | | |
| | | | | | |
| | | | **TOTAL NETO** | | |
| | | | **IVA 19%** | | |
| | | | **TOTAL IMPUESTO INCLUIDO** | | |

REPRESENTANTE LEGAL DEL PROPONENTE
(Firma y Timbre)
Fecha: ___/___/___

## FORMULARIO N° 3.2: CONSOLIDADO OPCIONALES (EQUIPOS CENTRALES + LÍNEA 1 + LÍNEA 2 + LÍNEA 4 + LÍNEA 4A + LÍNEA 5)

| ITEM | DESCRIPCION | UNIDAD | CANTIDAD | PRECIO UNITARIO EN UF | PRECIO UNITARIO EN UF |
|---|---|---|---|---|---|
| | **SUMINISTRO DE EQUIPAMIENTO** | | | | |
| | **Equipos Centrales** | **c/u** | | | |
| 3.2.1 | Licencias Access-Points "C1FPAIR1000K9" **para L2** | c/u | 186 | | |
| 3.2.2 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" **para L2** | c/u | 186 | | |
| 3.2.3 | Licencias Access-Points "C1FPAIR1000K9" libres L2 | c/u | 13 | | |
| 3.2.4 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L2 | c/u | 13 | | |
| 3.2.5 | Licencias Access-Points "C1FPAIR1000K9" **para L4** | c/u | 190 | | |
| 3.2.6 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" **para L4** | c/u | 190 | | |
| 3.2.7 | Licencias Access-Points "C1FPAIR1000K9" libres L4 | c/u | 13 | | |
| 3.2.8 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L4 | c/u | 13 | | |
| 3.2.9 | Licencias Access-Points "C1FPAIR1000K9" **para L4A** | c/u | 56 | | |
| 3.2.10 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" **para L4A** | c/u | 56 | | |
| 3.2.11 | Licencias Access-Points "C1FPAIR1000K9" libres L4A | c/u | 4 | | |
| 3.2.12 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L4A | c/u | 4 | | |
| 3.2.13 | Licencias Access-Points "C1FPAIR1000K9" **para L5** | c/u | 285 | | |
| 3.2.14 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" **para L5** | c/u | 285 | | |
| 3.2.15 | Licencias Access-Points "C1FPAIR1000K9" libres L5 | c/u | 19 | | |
| 3.2.16 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L5 | c/u | 19 | | |
| 3.2.17 | Licencias Access-Points "C1FPAIR1000K9" **para L1** | c/u | 219 | | |
| 3.2.18 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" **para L1** | c/u | 219 | | |
| 3.2.19 | Licencias Access-Points "C1FPAIR1000K9" libres L1 | c/u | 15 | | |
| 3.2.20 | Licencias Access-Points PSS "CON-ECMU-C1FPAI1K" libres L1 | c/u | 15 | | |
| | **LINEAS L1 - L2 - L5 - L4 - L4A** | | | | |
| | **Sala de Tableros o Local Técnico** | | | | |
| | **Mesanina** | | | | |
| 3.2.21 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 241 | | |
| 3.2.22 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 241 | | |
| 3.2.23 | Mástil Access-Points **para L2** | c/u | 12 | | |
| 3.2.24 | Soporte Access-Points **para L2** | c/u | 12 | | |
| 3.2.25 | Mástil Access-Points **para L4** | c/u | 25 | | |
| 3.2.26 | Soporte Access-Points **para L4** | c/u | 25 | | |
| 3.2.27 | Mástil Access-Points **para L4A** | c/u | 2 | | |
| 3.2.28 | Soporte Access-Points **para L4A** | c/u | 2 | | |
| 3.2.29 | Mástil Access-Points **para L5** | c/u | 0 | | |
| 3.2.30 | Soporte Access-Points **para L5** | c/u | 0 | | |
| 3.2.31 | Mástil Access-Points **para L1** | c/u | 14 | | |
| 3.2.32 | Soporte Access-Points **para L1** | c/u | 14 | | |
| 3.2.33 | Punto de Red para Access-Points | c/u | 241 | | |
| 3.2.34 | User Cord (UTP) Cat 6 | c/u | 241 | | |
| | **Anden Via1-Via2** | | | | |
| 3.2.35 | Access-Point "AIR-CAP2702I-A-K9" | c/u | 695 | | |
| 3.2.36 | Licencia de Smart Net Total (SNT) "CON-PSRT-AIRCIAK9" | c/u | 695 | | |
| 3.2.37 | Mástil Access-Points **para L2** | c/u | 35 | | |
| 3.2.38 | Soporte Access-Points **para L2** | c/u | 35 | | |
| 3.2.39 | Mástil Access-Points **para L4** | c/u | 38 | | |
| 3.2.40 | Soporte Access-Points **para L4** | c/u | 38 | | |
| 3.2.41 | Mástil Access-Points **para L4A** | c/u | 17 | | |
| 3.2.42 | Soporte Access-Points **para L4A** | c/u | 17 | | |
| 3.2.43 | Mástil Access-Points **para L5** | c/u | 0 | | |
| 3.2.44 | Soporte Access-Points **para L5** | c/u | 0 | | |
| 3.2.45 | Mástil Access-Points **para L1** | c/u | 17 | | |
| 3.2.46 | Soporte Access-Points **para L1** | c/u | 17 | | |
| 3.2.47 | Punto de Red para Access-Points | c/u | 695 | | |
| 3.2.48 | User Cord (UTP) Cat 6 | c/u | 695 | | |
| 3.2.49 | Patch Cord Cord S/FTP Cat.6 - Access-Point | c/u | 936 | | |
| | | | **TOTAL NETO** | | |
| | | | **IVA 19%** | | |
| | | | **TOTAL IMPUESTO INCLUIDO** | | |

REPRESENTANTE LEGAL DEL PROPONENTE
(Firma y Timbre)
Fecha: ___/___/___

2.- En relación al cronograma de la licitación, Metro entregará una extensión de plazo de recepción de ofertas:

Donde dice:

| | |
|---|---|
| Recepción de Ofertas Técnicas y Económicas | **26 de mayo de 2017**<br>Horario: 16:00 horas<br>Contacto: Romina Candia Hartmann |
| Apertura de Ofertas Técnicas | **26 de mayo de 2017**<br>Horario: 16:30 horas<br>Contacto: Romina Candia Hartmann |

Debe decir

| | |
|---|---|
| Recepción de Ofertas Técnicas y Económicas | **31 de mayo de 2017**<br>Horario: 16:00 horas<br>Contacto: Romina Candia Hartmann |
| Apertura de Ofertas Técnicas | **31 de mayo de 2017**<br>Horario: 16:30 horas<br>Contacto: Romina Candia Hartmann |