**CORRIGENDUM NO. 1**

**to the**

**TENDER DOSSIER**

**Publication Ref: EuropeAid/129866/C/SUP/RS**

**Assistance to the Digital Broadcasting Switchover in Serbia**

**Location - Serbia**

**ANNEX II Technical Specifications; LOT 1:**

|  |  |
| --- | --- |
| **1** | **LOT 1 – Table 1** |
| **The former text** | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | LOCATIONS | Encoder mpeg-4 | DVB-T2 re-multiplexer | T2- gateway | Ethernet switches version 1 | Ethernet switches version 2 | routher (A) | Routher (B) | Adapter Ip/Asi | Network Management System | Address | LONGITUDE | LATITUDE | | HE Beograd (HE at transmission location Avala) | 20 | 2 | 2 | 28 | 6 | 2 | 4 | 4 | 1 |  | 0202832E | 444840N | | Vršac |  |  |  |  |  |  | 2 | 2 |  |  | 0211954 | 450730 | | Jastrebac (HE at transmission location Jastrebac) | 10 | 2 | 2 | 10 | 3 | 2 | 2 | 2 |  |  | 0212814 | 432256 | | Kopaonik |  |  |  |  |  |  | 2 | 2 |  |  | 0204945 | 431611 | | Ovčar |  |  |  |  |  |  | 2 | 2 |  |  | 0201319 | 435347 | | Crni vrh (J) |  |  |  |  |  |  | 2 | 2 |  |  | 0210658 | 440035 | | Subotica |  |  |  |  |  |  | 2 | 2 |  |  | 0193810 | 460440 | | Crveni Čot (HE at transmission location Crveni Čot) | 10 | 2 | 2 | 10 | 3 | 2 | 2 | 2 |  |  | 0194230 | 450906 | | Besna Kobila |  |  |  |  |  |  | 2 | 2 |  |  | 0221405 | 423144 | | Deli Jovan |  |  |  |  |  |  | 2 | 2 |  |  | 0221339 | 441335 | | Tupižnica |  |  |  |  |  |  | 2 | 2 |  |  | 0220934 | 434156 | | |
| **Shall read as new text:** | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | LOCATIONS | Encoder mpeg-4 | DVB-T2 re-multiplexer | T2- gateway | Ethernet switches version 1 | Ethernet switches version 2 | routher (A) | Routher (B) | Adapter Ip/Asi | Network Management System | Address | LONGITUDE | LATITUDE | | HE Beograd (HE at transmission location Avala) | 20 | 2 | 2 | 28 | 6 | 2 | 2 | 2 | 1 |  | 0203112 | 444147 | | Jastrebac (HE at transmission location Jastrebac) | 10 | 2 | 2 | 10 | 3 | 2 | 2 | 2 |  |  | 0212814 | 432256 | | Ovčar |  |  |  |  |  |  | 2 | 2 |  |  | 0201319 | 435347 | | Subotica |  |  |  |  |  |  | 2 | 2 |  |  | 0193810 | 460440 | | Crveni Čot (HE at transmission location Crveni Čot) | 10 | 2 | 2 | 10 | 3 | 2 | 2 | 2 |  |  | 0194230 | 450906 | | Deli Jovan |  |  |  |  |  |  | 2 | 2 |  |  | 0221339 | 441335 | | Tupižnica |  |  |  |  |  |  | 2 | 2 |  |  | 0220934 | 434156 | | Kladovo |  |  |  |  |  |  | 2 | 2 |  |  | 0223055 | 443921 | | Goč |  |  |  |  |  |  | 2 | 2 |  |  | 0205242 | 433345 | | Maljen |  |  |  |  |  |  | 1 | 1 |  |  | 0200050 | 440827 | | Novi Pazar |  |  |  |  |  |  | 1 | 1 |  |  | 0203058 | 430637 | | Bajina Bašta |  |  |  |  |  |  | 1 | 1 |  |  | 0192636 | 435632 | | Gučevo |  |  |  |  |  |  | 1 | 1 |  |  | 0191054 | 442916 | | Majdanpek -Starica |  |  |  |  |  |  | 1 | 1 |  |  | 0215551 | 442619 | | Ljubovija Nemić |  |  |  |  |  |  | 1 | 1 |  |  | 0192602 | 441042 | | |

|  |  |
| --- | --- |
| **2** | **LOT 1 – Item 6.5** |
| **The former text** | |
| 8. Hierarchical queuing (HQ) with 3 levels of hierarchy with 128000 queues | |
| **Shall read as new text:** | |
| 8. Hierarchical queuing (HQ) with 3 levels of hierarchy with at least 64000 queues | |

**ANNEX II Technical Specifications; LOT 2:**

|  |  |
| --- | --- |
| **1** | **LOT 2 – Table 1** |
| **The former text** | |
| Sombor: LON: 0193810 LAT: 460440  Zrenjanin: LON: 0194230 LAT: 450906  Sid: LON: 0194230 LAT: 450906  B. Višnjičevo: LON: 0194230 LAT: 450906  Cer: LON: 0191054 LAT: 442916  Kopaonik: LON: 0204945 LAT: 431611 | |
| **Shall read as new text:** | |
| Sombor: LON: 0190902 LAT: 454650  Zrenjanin: LON: 0202334 LAT: 452240  Sid: LON: 0192318 LAT: 450921  B. Višnjičevo: LON: 0204045 LAT: 452659  Cer: LON: 0192954 LAT: 443612  Kopaonik: LON: 0204945 LAT: 431900 | |

|  |  |
| --- | --- |
| **2** | **LOT 2 – Item no. 1.6.1** |
| **The former text** | |
| When the transmitter is not working, coolant must not freeze until the temperature of -45 ° C. | |
| **Shall read as new text:** | |
| When the transmitter is not working, coolant must not freeze until the temperature of -35 ° C. | |

|  |  |
| --- | --- |
| **3** | **LOT 2 – Item no. 2.4.2.3** |
| **The former text** | |
| The operation window of the echo canceller shall be at least 6 μs wide. In this window the echo canceller must be able to attenuate all echoes. | |
| **Shall read as new text:** | |
| The operation window of the echo canceller shall be at least 4 μs (for an echo of +5dB) or at least 2 μs (for an echo of +12dB) wide. In this window the echo canceller must be able to attenuate all echoes. | |

|  |  |
| --- | --- |
| **4** | **LOT 2 – Item no. 2.4.2.4** |
| **The former text** | |
| The echo canceller must detect changes in level and distance of echoes and do the necessary adjustments. The adjustment time shall be provided by the Tenderer. | |
| **Shall read as new text:** | |
| Within the operating window the echo canceller shall attenuate echoes, while the window adjusting in distance shall be done manually. | |

**ANNEX II Technical Specifications; LOT 4:**

|  |  |
| --- | --- |
| **1** | **LOT 4 – Table 2** |
| **The former text** | |
| Baina Basta LON: 0195675 LAT: 439708 ASL: 299 | |
| **Shall read as new text:** | |
| Baina Basta LON: 0192636 LAT: 435632 ASL: 1124 | |

|  |  |
| --- | --- |
| **2** | **LOT 4 – Table 2** |
| **The former text** | |
| Orlovat LON: 0205822 LAT: 452433 ASL: 72 | |
| **Shall read as new text:** | |
| Orlovat LON: 0203140 LAT: 451627 ASL: 81 | |

|  |  |
| --- | --- |
| **3** | **LOT 4 – Table 2** |
| **The former text** | |
| Kopaonik (Gobelja) LON: 0204945 LAT: 431611 ASL: 1934 | |
| **Shall read as new text:** | |
| Kopaonik (Gobelja) LON: 0204945 LAT: 431900 ASL: 1934 | |

|  |  |
| --- | --- |
| **4** | **LOT 4 – General description (Page 2)** |
| **The former text** | |
| - Item no. 1: Microwave links with Ethernet and E1 interfaces in 4 GHz (3600MHz-4200MHz) and 8 GHz (7725MHz-8275MHz) band | |
| **Shall read as new text:** | |
| - Item no. 1: Microwave links with Ethernet and E1 interfaces in 4 GHz (3800MHz-4200MHz) and 8 GHz (7725MHz-8275MHz) band | |

|  |  |
| --- | --- |
| **5** | **LOT 4 – General description (Page 2)** |
| **The former text** | |
| General description: Microwave links with Ethernet and E1 interfaces in 4 GHz (3600MHz-4200MHz) and 8 GHz (7725MHz-8275MHz) band | |
| **Shall read as new text:** | |
| General description: Microwave links with Ethernet and E1 interfaces in 4 GHz (3800MHz-4200MHz) and 8 GHz (7725MHz-8275MHz) band | |

|  |  |
| --- | --- |
| **6** | **LOT 4 – Item 1.2.1** |
| **The former text** | |
| ***Frequency Bands – RF Channels:***  Microwave links are planned for use in two different frequency bands:  - 4 GHz (3600-4200 MHz): Channel arrangement as per CEPT/ERC/RECOMMENDATION 12-08 E  - 8 GHz (7725-8275 MHz): channel arrangements as per ECC/REC/(02)06 : Digital Fixed Service Systems operating in the frequency range 7125-8500 MHz, App. 6 | |
| **Shall read as new text:** | |
| ***Frequency Bands – RF Channels:***  Microwave links are planned for use in two different frequency bands:  - 4 GHz (3800-4200 MHz): Channel arrangement as per ITU-R F.382-7  - 8 GHz (7725-8275 MHz): channel arrangements as per ITU-R.386-6 Annex 1 | |

**All other terms and conditions of the Instructions to tenderers remain unchanged. The above alterations and/or corrections to the Instructions to tenderers are integral part of the Tender Dossier.**