

**Tender Ref.: ELCOT/Networks/OT/33375/PA System and software based VC/2020-21**

**TENDER NO.** ELCOT/Networks/OT/33375/PA System and software based VC/2020-21

**Supply and Commissioning of Public Address System and Software based VC on Rate Contract basis**

The Pre - bid meeting for the above tender was held on 11.11.2020. Clarifications raised during the meeting and the replies are included in Corrigendum -1 which is also part of the Tender document published earlier. The Bidders should also refer the corrigendum before submitting the bid without fail.

**Corrigendum -1 to the tender document**

| Sl. No. | Page No. | Chapter                  | Clause No. | Title             | Existing as  | Read as  |
|---------|----------|--------------------------|------------|-------------------|--|--|
| 1.      | 9        | preamble                 | 1.5        | Life Cycle Cost   | Life Cycle Cost means value of Price bid for three years warranty Period for Public Address System and <b>1 year warranty period</b> for software based VC   | Life Cycle Cost means value of Price bid for three years warranty Period and 2 years AMC period for Public Address System and <b>1 year support period including updates without additional charges</b> for software based VC  |
| 2.      | 16       | Eligibility criteria     | 4.3        |                   | Bidder should have executed at least one Single order for the Supply and Commissioning of Public Address system /Video cameras/smart TV/software based VC for the value of Rs.20 Lakhs or Multiple orders for the value of Rs.40 Lakhs or more executed during any one of the <b>financial years 2017-18, 2018-19 &amp; 2019-20</b> to any University / Government / Public Sector Undertakings departments. | Bidder should have executed at least one Single order for the Supply and Commissioning of Public Address system with related accessories /Video cameras/smart TV/software based VC for the value of Rs.15 Lakhs or Multiple orders for the value of Rs.30 Lakhs or more executed during any one of the financial years 2017-18, 2018-19 & 2019-20 to any University / Government / Public Sector Undertakings departments. |
| 3.      | 30       | <b>Execution of work</b> | 7.12       | Liquidated damage | A penalty will be levied at the rate of 0.25% per day on the undelivered   | Liquidated damage will be levied at the rate of 0.25% per day on the   |

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|--|----|----------------|---------|-----------------|---|--|
|  |    |                |         | s(LD)           | portion of the material, if delivery not completed within stipulated period. The delivery period will effect from the date of receipt of confirmed consignee address. If the Successful Bidder fails to supply even after the lapse of one month after the stipulated date of delivery, then the orders/contracts are liable for cancellation and the EMD/ Security Deposit will be forfeited in addition to ELCOT reserving the right to blacklist the successful bidders for a period of three years from participating in ELCOT's tenders. This alone will not relieve the Successful Bidder and the difference in cost of the items purchased through other technically qualified Bidders or any other alternative sources will be recovered from the Successful Bidder | un-delivered portion of the material, if the delivery has not been completed in full within the stipulated period. The delivery period will be taken into account from the next date of approval of Purchaser Order. If the Successful Bidder fails to supply even after the lapse of one month after the stipulated date of delivery, then the orders are liable for cancellation and the EMD/ Security Deposit will be forfeited in addition to ELCOT reserving the right to blacklist the successful bidders for a period of three years from participating in ELCOT's tenders. This alone will not relieve the Bidder and the difference in cost of the items purchased through other technically qualified Bidders or any other alternative sources will be recovered from the successful Bidder. |
| 4.   | 37 | Scope of work  | 8.4     | Warranty Clause | The supplied software based VC system should have <b>warranty period of 1 year</b>  | The supplied software based VC system should have <b>support for 1 year period including updates without additional charges</b>  |
| 5.   | 40 | Payment Clause | 9.4(ii) |                 | For supply of software based VC, if the Successful Bidder produces an   | For supply of software based VC, if the Successful Bidder produces an irrevocable  |

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|--|-----|--------------------------|-------------------|--|--|---|
|  |     |                          |                   |  | irrevocable Bank Guarantee for the balance 5% valid for 15 months during the <b>warranty period</b> , then the balance 5% payment will be released after observing the formalities stipulated.   | Bank Guarantee for the balance 5% valid for 15 months during the <b>support period</b> , then the balance 5% payment will be released after observing the formalities stipulated.   |
| 6.   | 46  | Model form of Contract   | 5(b)              | Annexure-1   | The supplied software based VC system should have <b>warranty period of 1 year</b> .   | The supplied software based VC system should have <b>support for 1 year period including updates without additional charges</b>   |
| 7.   | 47  | Model form of Contract   | 7.4(ii)           | Annexure-1   | For supply of software based VC, if the Successful Bidder produces an irrevocable Bank Guarantee for the balance 5% valid for 15 months during the <b>warranty period</b> , then the balance 5% payment will be released after observing the formalities stipulated. | For supply of software based VC, if the Successful Bidder produces an irrevocable Bank Guarantee for the balance 5% valid for 15 months during the <b>support period</b> , then the balance 5% payment will be released after observing the formalities stipulated. |
| 8.   | 70  | Technical specifications | <b>Annexure-6</b> | <b>S.No.30</b><br>AMP01<br>5-PA<br>mixer<br>Amplifier<br>250<br>Watts<br>with<br>built-in<br>digital<br>player | Power Output-<br>300W Max., 250W RMS<br>at 10% THD <b>220W<br/>RMS at 5% THD</b> , 200W<br>RMS at 2% THD   | Power Output-<br>300W Max., 250W RMS<br>at 10% THD <b>220W RMS<br/>at 5% THD</b> , 200W RMS<br>at 2% THD  |
| 9.   | 102 | Technical specifications | <b>Annexure-6</b> | <b>S.No.14</b><br><b>6</b><br>CAM00<br>3-Ultra   | Recording format-<br>MOV, MP4  | Recording format- <b>MP4<br/>MOV(AVC) / MOV<br/>/AVCHD</b>  |

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|---|-----|--------------------------|-------------------|---|--|--|
|   |     |                          |                   | HD - 4<br>K<br>Professi<br>onal<br>Video<br>Camera                  |  |  |
| 10.   | 102 | Technical specifications | <b>Annexure-6</b> | <b>S.No.147</b><br>CAM004-Digital 4K Still Camera with 21.0M pixels | Image sensor-<br><b>1/2.3-in. type CMOS</b>        | Image sensor-<br><b>1.73X1.30 cm, (in 4:3 aspect ratio) Sensor</b> |
| 11.   | 102 | Technical specifications | <b>Annexure-6</b> | <b>S.No.148</b><br>CAM005-Digital Still Camera with 20.9 megapixels | Sensor-<br><b>1.0 type Exmor R™ CMOS sensor</b>    | Sensor- <b>1.0 type Exmor R™ CMOS sensor/ Live MOS Sensor</b>      |
| 12.   | 103 | Technical specifications | <b>Annexure-6</b> | <b>S.No.150</b><br>CAM007-Ultra 4K HD Video Camcorder               | Total pixels-<br><b>18.91 megapixels or higher</b> | Total pixels-<br><b>12 megapixels or higher</b>                    |
| 13.   | 107 | Technical specifications | <b>Annexure-6</b> | <b>S.No.167</b><br>PRO001- 3000 ANSI Lumens WXGA Projector          | Display method-<br><b>DLP chip system</b>          | Display method-<br><b>LCD</b>                                      |
| 14.   | 107 | Technical specifications | <b>Annexure-6</b> | <b>S.No.168</b><br>PRO00  | Optical axis shift -<br>13:1(fixed)                | Point deleted  |

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|---|-----|--------------------------|-------------------|---|---|--|
|   |     |                          |                   | 2- 3100 ANSI Lumens WXGA Projector                            |   |  |
| 15.   | 108 | Technical specifications | <b>Annexure-6</b> | <b>S.No.169</b><br>PRO00<br>3-4000 ANSI Lumens WXGA Projector | Optical axis shift – 6:1  | Point deleted  |
| 16.   | 109 | Technical specifications | <b>Annexure-6</b> | <b>S.No.169</b><br>PRO00<br>3-4000 ANSI Lumens WXGA Projector | <b>USB-</b><br>USB A (type A) connector x 1, for Memory Viewer/Wireless Module (Output 5V MAX 500mA)<br>USB B (type B) connector x 1, for USB Display | Necessary cable for connecting Type B devices if Type A USB interface is provided. similarly Necessary cable for connecting Type A devices if Type B USB interface is provided<br>USB- USB A (type A) connector x 1, for Memory viewer/ Wireless Module or USB B (type B) connector x 1, for USB Display |
| 17.   | 129 | Technical specifications | Annexure-6        | S.No.251<br>MAN001  | S.No.251<br>MAN001-<br><b>Manpower charges per person per month to operate PA System and software based VC system</b>                                 | S.No.251-<br><b>male to Female Active Extender (a)CAB017- USB male to Female Active Extender 5 Meters</b><br>Specification given at the end of corrigendum   |
| 18.   | 129 | Technical specifications | Annexure-6        |   |   | <b>To add:</b><br><b>(b)CAB018 USB male to Female Active Extender 15 Meters</b><br>Specification given at  |

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|---|-----|---|------------|--|---|---|
|   |     |   |            |  |   | the end of corrigendum  |
| 19.   | 130 | Technical specifications                            | Annexure-6 | S.No.255<br>CVC004-<br>Cloud meeting SaaS based VC Licence for one year subscription for small offices –Type 2 |   | To add:<br>S.No.3:Desktop, application, file, and whiteboard sharing options<br>S.No.4:Feature:Auto call back facility  |
| 20.   | 131 | Technical specifications                            | Annexure-6 |  |   | <b>To add:</b><br><b>259) FIR001:</b><br><b>Fortigate firewall FG 200E with one year subscription</b><br>Specification given at the end of corrigendum                                    |
| 21.   | 131 | Technical specifications                            | Annexure-6 |  | S.No.251<br>MAN001-<br><b>Manpower charges per person per month to operate PA System and software based VC system</b>   | <b>To add:</b><br><b>260) MAN001:</b><br><b>Manpower charges per person per annum to operate PA System and software based VC system</b>   |
| 22.   | 134 | Document Details in support of Eligibility Criteria | A7.3(3)    | Technical bid  | Bidder should have executed at least one Single order for the Supply and Commissioning of <b>Public Address system /Video cameras/smart TV/software based VC for the value of Rs.20</b> | Bidder should have executed at least one Single order for the Supply and Commissioning of <b>Public Address system with related accessories /Video cameras/smart TV/software based VC</b> |

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|   |     |               |            |   | <b>Lakhs or Multiple orders for the value of Rs.40 Lakhs</b> or more executed during any one of the financial years 2017-18, 2018-19 & 2019-20 to any University / Government / Public Sector Undertakings departments. | <b>for the value of Rs.15 Lakhs or Multiple orders for the value of Rs.30 Lakhs</b> or more executed during any one of the financial years 2017-18, 2018-19 & 2019-20 to any University / Government / Public Sector Undertakings departments. |
| 23.   | 135 | Technical Bid | Annexure-7 | A7.3- Document Details in support of Eligibility Criteria |   | To add:<br>S.No.9<br>Copy of model clause/ certificate in annexure III of G.O.Ms no.343 to be uploaded as per the format mentioned in annexure- 7.7 or necessary declaration to be enclosed by bidder  |
| 24.   | 145 | Technical Bid | Annexure-7 | A7.4- Hardware Compliance                                 | S.No.251 MAN001- <b>Manpower charges per person per month to operate PA System and software based VC system</b>   | S.No.251- <b>male to Female Active Extender (a)CAB017- USB male to Female Active Extender 5 Meters (b)CAB018- USB male to Female Active Extender 15 Meters</b>   |
| 25.   | 145 | Technical Bid | Annexure-7 | A7.4- Hardware Compliance                                 |   | To add:<br>259) FIR001: Fortigate firewall <b>FG 200E</b> with one year subscription   |

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| 26.   | 182 | <b>Price bid</b> | Annexur e-8 |  | S.No.251<br>MAN001-<br><b>Manpower charges per person per month to operate PA System and software based VC system</b> | <b>S.No.251 male to Female Active Extender</b><br>(a)CAB017-<br><b>USB male to Female Active Extender 5 Meters</b><br>(b)CAB018- <b>USB male to Female Active Extender 15 Meters</b> |
| 27.   | 182 | <b>Price bid</b> | Annexur e-8 |  | Price bid for 1 year warranty period  | Price bid for 1 year support period <b>including updates without additional charges excluding S.No.260-MAN001</b>  |
| 28.   | 182 | <b>Price bid</b> | Annexur e-8 |  |   | To add:<br>259) FIR001:<br>Fortigate firewall FG 200E with one year subscription   |
| 29.   | 182 | <b>Price bid</b> | Annexur e-8 |  |   | To add:<br>260) MAN001:<br>Manpower charges per person per annum to operate PA System and software based VC system   |
| <b>30.</b>  | 182 | <b>Price bid</b> | Annexur e-8 |  |   | To add:<br>261) CVC008-<br>Cloud meeting SaaS based VC Licence with one Room Endpoint integration for 2 <sup>nd</sup> year subscription  |
| 31.   | 182 | <b>Price bid</b> | Annexur e-8 |  |   | To add:<br>262) CVC009-<br>Cloud meeting SaaS based VC Licence with one Room Endpoint integration for 3 <sup>rd</sup> year subscription  |

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|---|-----|------------------|-------------|--|--|---|
| 32.   | 182 | <b>Price bid</b> | Annexur e-8 |  |  | To add:<br>263) CVC010-<br>Cloud meeting SaaS based VC Licence with Two Room Endpoint integration for 2 <sup>nd</sup> year subscription |
| 33.   | 182 | <b>Price bid</b> | Annexur e-8 |  |  | To add:<br>264) CVC011-<br>Cloud meeting SaaS based VC Licence with Two Room Endpoint integration for 3 <sup>rd</sup> year subscription |
| 34.   | 182 | <b>Price bid</b> | Annexur e-8 |  |  | To add:<br>265) CVC012-<br>Cloud meeting SaaS based Video conferencing Licence for 2 <sup>nd</sup> year subscription-Type 1             |
| 35.   | 182 | <b>Price bid</b> | Annexur e-8 |  |  | To add:<br>266) CVC013-<br>Cloud meeting SaaS based Video conferencing Licence for 3 <sup>rd</sup> year subscription-Type 1             |
| 36.   | 182 | <b>Price bid</b> | Annexur e-8 |  |  | To add:<br>267) CVC014-<br>Cloud meeting SaaS based VC Licence for 2 <sup>nd</sup> year subscription for small offices--Type 2          |
| 37.   | 182 | <b>Price bid</b> | Annexur e-8 |  |  | To add:<br>268) CVC015-<br>Cloud meeting SaaS based VC Licence for 3 <sup>rd</sup> year subscription for small offices--Type 2          |
| 38.   | 182 | <b>Price bid</b> | Annexur e-8 |  |  | To add:<br>269) CVC016-<br>Cloud meeting SaaS based VC Licence for 2 <sup>nd</sup> year subscription                                    |

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|---|-----|------------------|-------------|--------------|-------|--|
|   |     |                  |             |              |       | for enterprises-Type 3   |
| 39.   | 182 | <b>Price bid</b> | Annexur e-8 |              |       | To add:<br>270) CVC017- Cloud meeting SaaS based VC Licence for 3rd year subscription for enterprises-Type 3           |
| 40.   | 182 | <b>Price bid</b> | Annexur e-8 |              |       | To add:<br>271) CVC018- Saas based VC Licence for 2nd Year Subscription-Type 4   |
| 41.   | 182 | <b>Price bid</b> | Annexur e-8 |              |       | To add:<br>272) CVC019- Saas based VC Licence for 3rd Year Subscription-Type 4   |
| 42.   | 182 | <b>Price bid</b> | Annexur e-8 |              |       | To add:<br>273) CVC020- Adobe Creative Cloud - Licensing Subscription for 2 <sup>nd</sup> year period                  |
| 43.   | 182 | <b>Price bid</b> | Annexur e-8 |              |       | To add:<br>274) CVC020- Adobe Creative Cloud - Licensing Subscription for 3 <sup>rd</sup> year period                  |
| 44.   | 182 | <b>Price bid</b> | Annexur e-8 |              |       | To add:<br>275) FIR002- Fortigate firewall FG 200E with 2 <sup>nd</sup> year subscription                              |
| 45.   | 182 | <b>Price bid</b> | Annexur e-8 |              |       | To add:<br>276) FIR003- Fortigate firewall FG 200E with 3 <sup>rd</sup> year subscription                              |
| 46.   | 182 | <b>Price bid</b> | Annexur e-8 |              |       | To add:<br>277) FIR004- Fortigate firewall FG 200E for 4 <sup>th</sup> year period after completion of 3 years renewal |
| 47.   | 183 | <b>Price bid</b> | Annexur     | <b>Compr</b> | Note: | Note:  |

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|---|-----|------------------|-------------|--|--|--|
|   |     |                  | e-8         | <b>ehensive Annual Maintenance Cost for 4th and 5th Year</b>       | S.No.1<br>AMC charges applicable for S.No.1 to 250 only  | S.No.1<br>AMC charges applicable for S.No.1 to 251 only  |
| 48.   | 183 | <b>Price bid</b> | Annexur e-8 | <b>Compr ehensive Annual Maintenance Cost for 4th and 5th Year</b> | Note:<br>S.No.5<br>The AMC charges for 4th and 5th year will not be taken into account for price bid evaluation.( for S.No.1 to 250) | Note:<br>S.No.5<br>The AMC charges for 4th and 5th year will be taken into account for price bid evaluation.( for S.No.1 to 251) |

The evaluation criteria of L1 bidder is as follows:

| <b>S.No</b> | <b>Description</b>   | <b>AMC(%) (A)</b> | <b>GST(%) (B)</b> | <b>Value of AMC(in Rs) ( G3)=(A)*(G)*100</b> |
|-------------|--|-------------------|-------------------|--|
| 1           | Comprehensive Annual Maintenance cost in percentage for the 4th year |                   |                   |  |
| 2           | Comprehensive Annual Maintenance cost in percentage for the 5th year |                   |                   |  |
|             |  |                   |                   |  |

**Value of the Price Bid = Total of Column (G1+G2+G3)**

The Grand Total Amount of Column (G) will be evaluated to arrive at the Lowest Price (L1 Price) as per the Price bid Evaluation clause no.6.5.3

The specifications for S.No.251 and 259 are as follows:

**251) Technical Specifications for male to Female Active Extender**

**(a) USB male to Female Active Extender 5 Meters**

Part Code:CAB017

| S.No | Description  | Details     | Compliance (yes/No) |
|------|--------------|-------------|---------------------|
| 1    | Cable length | 5 meters    |                     |
| 2    | Data rate    | Upto 5 Gbps |                     |

**(b) USB male to Female Active Extender 15 Meters**

Part Code:CAB018

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| S.No | Description  | Details     | Compliance (yes/No) |
|------|--------------|-------------|---------------------|
| 1    | Cable length | 15 meters   |                     |
| 2    | Data rate    | Upto 5 Gbps |                     |

259) Fortigate firewall with one year subscription

Part Code:FIR001

| S.No | Description    | Details   | Compliance (yes/No) |
|------|----------------|---|---------------------|
| 1    | Throughput     | (1518 / 512 / 64 byte UDP packets): 20 /20/9 Gbps   |                     |
| 2    | support system | 8 X 5   |                     |
| 3    | Power :        | 100–240V AC, 50–60 Hz                               |                     |
| 4    | Certification: | Certification: Ipsec, IPS, Antivirus, SSL-VPN, IPv6 |                     |