



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

संदर्भ सं.: भा.वि.प्रा./ ईए-12014(11)/7/2021-अभि-ई/डब्ल्यू।ओ-02/2021-22/ 2860 दिनांक : 08.03.2022
AAI/EA-12014(11)/7/2021-ENGG-EWO-02/2021-22 2870

सेवा में
मेसर्स निकोम इन्फ्रा सोल्यूशंस प्राइवेट
लिमिटेड
309, स्क्यलार्क, बिल्डिंग,
60, नेहरू प्लेस न्यू दिल्ली-110019

To,
M/s Nikom Infra Solutions Pvt. Ltd.,
309, Skylark Building, -
60, Nehru Place New Delhi-110019
Email id: arin@nikom.in

विषय: सफदरजंग हवाई अड्डे, नई दिल्ली में डीजीसीए, बीसीएस, एएआईबी, ऐरा और एएआई के लिए संयुक्त परिचालन कार्यालयों का निर्माण। उप शीर्षक: लैन और ईपीबीएक्स, यूपीएस, एक्सेस कंट्रोल और सीसीटीवी सिस्टम की आपूर्ति, स्थापना, परीक्षण और कमीशनिंग हेतु)

टेंडर आईडी: 2020_AAI_ 63409_1)

Subject: Construction of combined operational offices for DGCA, BCAS, AAIB, AERA and AAI at Safdarjung Airport, New Delhi. SH. Supply, Installation, Testing & Commissioning of LAN & EPBAX, UPS, Access Control and CCTV System)

Ref: i) Tender ID: 2020_AAI_ 63409_1)

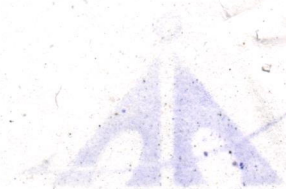
- ii) Your e-Tender opened on dated 01.02.2022
- iii) Reverse auction completed on dated 08.02.2022.
- iv) Acceptance Letter dated 02.04.2021
- v) Corrigendum – 1 to 10

महोदय/Dear Sir(s),

1. उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप द्वारा उद्धरित मद दर जिसकी कुल राशि रु. 11,66,86,351.79 (रुपये ग्यारह करोड़ छियासट लाख छियासि हजार तीन सौ इक्यावन और ऊनासी पैसे मात्र) जीएसटी को छोड़कर जो कि निविदा की न्यायोचित लागत रु. 15,45,87,178/- से 24.52% कम है, स्वीकृत की जाती है।

Your e-Tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at item rates bid by you totaling to Rs. 11,66,86,351.79(Rupees Eleven Crore Sixty-Six Lakhs Eighty-Six Thousand Three Hundred Fifty-One and Seventy-Nine Paise Only) Excluding GST which is 24.52% below the justified cost put to tender of Rs. 15,45,87,178/-

2. संयुक्त महाप्रबंधक (अभि-विद्युत), परियोजना भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली 110003, इस कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि आप / आपके द्वारा अधिकृत प्रतिनिधि संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु दिनांक 23.03.2022 तक संयुक्त महाप्रबंधक (अभि-



विद्युत), परियोजना भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली 110003 के कार्यालय में उपस्थित हों। संविदा करार रु 100.00 (सौ रुपये मात्र) के न्यायिकेतर (नॉन ज्युडिशियल) स्टाम्प पेपर (नई दिल्ली) पर बनाया जाएगा और स्टाम्प पेपर की लागत आपको वहन करनी होगी।

Jt. General Manager Engg (E), Project, AAI, Safdarjung Airport, New Delhi -110003, shall be the Engineer-in-Charge of the work. You are requested to attend / depute your authorized representative to the office of the **Jt. General Manager Engg. (E)**, DGCA Project, **AAI, Safdarjung Airport, New Delhi - 110003** by **23.03.2022** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper (New Delhi) of value **Rs.100.00** (Rupees One Hundred only) and the cost of stamp paper shall be borne by you.

3. कृपया इस पत्र के जारी होने के 10 दिन के भीतर सुरक्षा जमानत के लिए रु. 58,34,318.00 (अट्टाहावन लाख चौतीस हजार तीन सौ अट्टारह रुपया मात्र) की राशि जमा करवा दें, ऐसा नहीं करने पर उक्त रकम संविदा दस्तावेज के पृष्ठ जी.सी.सी.- 16 पर दी गई शर्त 1A के अनुसार आपके रनिंग बिल से काट ली जाएगी।

Please deposit an amount of **Rs. 58,34,318.00 (Rupees Fifty-Eight Lakhs Thirty-Four Thousand Three Hundred eighteen only)** towards Security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted as per conditions of Clause No – 1A page GCC-16 of the Contract document.

4. स्वीकृति पत्र जारी होने के 30 दिनों के भीतर आपको ए.ए.आई. को निविदा दस्तावेज पृष्ठ संख्या जीसीसी-15 पर धारा 1 की शर्त के अनुसार रुपये 35,00,591/- (रुपये पैंतीस लाख पाँच सौ इक्यानवे मात्र) राशि की बैंक गारंटी के लिए एक परफॉर्मंस गारंटी, निविदा दस्तावेज के पृष्ठ GCC-108 से GCC-110 पर दिए गए परिशिष्ट-XI और परिशिष्ट- XI-A में संलग्न प्रोफॉर्मा के अनुसार प्रस्तुत करनी होगी। Within 30 days of issue of acceptance letter you shall submit to AAI, a Performance Guarantee as per condition of clause 1 on page GCC-15 for an amount of **Rs. 35,00,591.00** (Rupees Thirty-Five Lakhs Five Hundred and Ninety-One Only) in the form of Bank Guarantee along with Letter of Undertaking on Performa appended at appendix-XI and appendix- XI-A on page on page GCC-108 to GCC-110 of contract document.

5. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन एवं उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन एवं उन्मूलन) केन्द्रीय नियमावली 1971 बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार और सेवा की शर्त का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकार अधिनियम 1996 जैसा कि निविदा के जीसीसी के पृष्ठ संख्या जी.सी.सी.- 49 पर धारा-19 में निर्दिष्ट है तथा केंद्रीय और राज्य सरकारों के नियमों का अनुपालन करें।

You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules-1971 Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare cess Act 1996 as specified in Clause-19 On Page No. GCC-49 of Tender document and rules of Central and State Governments.

6. आपको निदेश दिए जाते हैं कि आप सहायक महाप्रबंधक (अभी-विद्युत), परियोजना भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली 110003 से तत्काल सम्पर्क करें जो कि आपको कार्यस्थल हस्तांतरण करने की व्यवस्था करेंगे।

You are also directed to contact the **Asstt. General Manager Engg(E)**, AAI,), DGCA Project, AAI, Safdarjung Airport, New Delhi -110003 immediately, who will arrange to handover the site to you.

7. कृपया यह नोट कर लें कि काम पूरा करने का समय 08 (आठ) महीने है, जिसे इस पत्र के जारी होने की तारीख के बाद दसवे दिन से गिना जाएगा।

Please note that the time allowed for carrying out the work shall be 8 (Eight) Months and same shall be reckoned from 10th day after the date of issue of this letter.

8. । कृपया ध्यान दें कि लैन सिस्टम के सक्रिय और निष्क्रिय घटक, ईपीबीएक्स, यूपीएस और एक्सेस कंट्रोल सिस्टम दोष देयता अवधि कार्य पूरा होने की प्रमाणित तिथि से 05 (पांच) वर्ष और सीसीटीवी सिस्टम के लिए 03 वर्ष होगी।

Please note that the defect liability period shall be 05 (Five) Years for active and passive component of LAN System, EPBAX, UPS and Access Control System and 03 years for CCTV System from the certified date of completion of work.

9. संविदा के संबंध में आगे किया जाने वाला पत्राचार सामान्यतः प्रभारी अभियंता से ही किया जाए ।

Any further correspondence in connection with this contract should normally be addressed to the Engineer – in – Charge.

10. कृपया इस पत्र की पावती भेजें तथा इसके साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति के रूप में विधिवत हस्ताक्षर करके अधोहस्ताक्षरी वापस भेजें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to undersigned as a token of acceptance.

11. कृपया ध्यान दें कि यदि उपरोक्त में हिंदी और अंग्रेजी संस्करण के प्रावधान में कोई अंतर / विसंगति या विरोधाभास है, तो अंग्रेजी संस्करण मान्य होगा।

Please note if there is any difference / discrepancy or contradiction in the provision of Hindi and English version in above, the English version shall prevail.

12. जीएसटी प्रावधानों का अनुपालन न करने और किसी इनपुट क्रेडिट के अवरुद्ध होने की स्थिति में, एएआई की क्षतिपूर्ति करना आपकी जिम्मेदारी होगी।

In case of non- compliance of GST provisions and blockage of any input credit, it shall be your responsibility to indemnify AAI.

13. जीएसटी को छोड़कर दरों में सभी कर शामिल हैं। हालांकि, जीएसटी, जैसा लागू हो, अनुबंध के नियमों और शर्तों के अनुसार वैध जीएसटी चालान के खिलाफ एजेंसी द्वारा एएआई को प्रदान की गई किसी भी कर योग्य आपूर्ति/सेवाओं/निर्माण के लिए ठेकेदार को भुगतान किया जाएगा।

The rates are inclusive of all taxes but excluding of GST. However, GST, as applicable, shall be paid to the contractor for any taxable supply/ services/ construction rendered by the agency to AAI against a valid GST invoices as per terms and conditions of the contract.

14. सभी इनपुट क्रेडिट आपके द्वारा एएआई को दिए जाएंगे ।
All input credits will be passed on the AAI by you.

संलग्नक / Enclosure: मदों की सूची / Schedule of Quantity.

58/03/2022

(मुकुल मित्तल) / (Mukul Mittal)

संयुक्त महाप्रबंधक अभि. (विद्युत) / Jt. Gen. Mgr. Engg (E)

अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर एवं तरफ से
For & on behalf of Chairman, Airports Authority of India

Schedule of Quantity

Name of Work: Construction of combined operational offices for DGCA, BCAS, AAIB, AERA and AAI at Safdarjung Airport, New Delhi. SH. Supply, Installation, Testing & Commissioning of LAN & EPBAX, UPS, Access Control and CCTV System).

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
1.00	Active Components for LAN System				
1.01	SITC of Core Switch with 20*40 Gbe QSFP+ & 24*10 Gbe SFP+ Ports with advance layer 3 features , accessories , stacking cable as per Technical Specification with 5 years TAC support etc. as required as per SCC of Tender.	2.00	Nos	3883030.67	7766061.34
1.02	SITC of Distribution Switch 24*10Gbe SFP+ with 2*40Gbe QSFP+ with advance layer 3 features including stacking cables, accessories as per Technical Specification with 5 years TAC support etc. as required as per SCC of Tender.	32.00	Nos	993326.55	31786449.60
1.03	SITC of 24Port Access PoE Switch with 24*10/100/1000 RJ45 PoE+ with 2*1G SFP & 2*10G SFP+ uplink ports upgradable to 4*10G SFP+ with license, with basic Layer 3 features ,stacking cables as per Technical Specification with 5 years TAC support etc. as required as per SCC of Tender.	72.00	Nos	181813.20	13090550.40
1.04	SITC of 24Port Access Switch with 24*10/100/1000 RJ45 with 2*1G SFP & 2*10G SFP+ ports uplink ports upgradable to 4*10G SFP+ with license, with stacking cables , advance Layer 3 features as per Technical Specification with 5 years TAC support etc. as required as per SCC of Tender.	36.00	Nos	215182.12	7746556.32
1.05	SITC of 10G Multimode Transceivers with LC Connector as per technical specification	80.00	Nos	10221.17	817693.60
1.06	SITC of 40G QSFP+ Multimode Fiber Transceivers as per technical specification	72.00	Nos	23526.31	1693894.32
1.07	SITC of Wireless Dual Band Indoor Access Point supporting 802.11ac Wave 2 with 3x3:3 streams on both bands i.e 2.4Ghz & 5Ghz . Dual ports , 802.3af/at PoE support with Mounting bracket from the same OEM and as per Technical Specification with 5 years TAC support etc. as required as per SCC of Tender.	75.00	Nos	29439.04	2207928.00
1.08	SITC of Wireless LAN Hardware based Controller , 19" rack mountable with 2*1G/10G SFP+ ports in active:active high availability mode with 75 AP's support from day1 and scalable upto 2000 AP's in future as per Technical Specification with 5 years TAC support etc. as required as per SCC of Tender.	2.00	Nos	1499576.57	2999153.14

Handwritten signature

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
1.09	SITC of Router with modular architecture having minimum network Interfaces 4 x 1G Combo (SFP/RJ45) LAN/Wan ports and 2 x 10Gbps LAN/WAN Ethernet Data Ports with 10G MM Optical Modules. Router should have Internal 1:1 redundant internal field replaceable power supply from Day1, Multi Core Processor/Multi CPU as per Technical Specification with 5 years TAC support etc. as required as per SCC of Tender.	2.00	Nos	2275837.58	4551675.16
2.00	Telephone System EPABX i/c Telephone Set				
2.01	Supply, Installation, Testing and commissioning of IP based EPABX System for 2000 port and shall be expandable upto 3000 ports (IP, Analog, Digital) with below present requirement: 1700 IP extension ports lic, 32 analog trunk ports, 04 ISDN PRI (30 channels), 01 PC based operator console (with PC, IP Phone and Headset), 94 Analog ports having all standard call related features. Analog and PRI card should be distributed in two gateway for redundancy. The server of IP EPABX should be having Intel Skylake CPU S-4114 or better with 64 bit Linux Operating System from IP PABX OEM. IP EPABX Server should support Link Level Redundancy (Fully Duplex) with minimum Dual Gigabit interfaces, 48 GB RDIMMs, HDD RAID-1/6 reliability and Redundant Power Supplies. IP-PBX system along with IP PBX Server, IP PBX Gateway IP Phone, Headset should be of same OEM Supplied. The system should support for voice encoding the following standards:- (i) G.711 (ii) G.729A (iii) G.722 WIDE BAND AUDIO	1.00	Nos	13341121.00	13341121.00
2.02	Supply of IP phone Type-1, complete as required for Management and Higher Officials	150.00	Nos	26950.00	4042500.00
2.03	Supply of IP phone Type-2, complete as required for Senior Officers	500.00	Nos	6626.00	3313000.00
2.04	Supply of IP phone Type-3, complete as required for normal users	1000.00	Nos	6626.00	6626000.00
2.05	Supply of Analog phone i/c caller ID	50.00	Nos	990.00	49500.00
2.06	SITC of Soft Console i.e. PC-based operator console that provides a visible display of call information and PC-based call handling, enables phone operators/receptionists to answer, route and manage incoming calls from the screen of their PCs and users can simultaneously view caller information, directory information, held calls and company-wide phone status etc. as per specification.	1.00	Nos	85000.00	85000.00
3.00	UPS with Built In Modular Batteries (Description as Item No. 3 of SOQ of tender document)				

200

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
3.01	The Incoming shall be suitable for 415 V, 3-Phase, 4-wire, 50 Hz supply and nominal output voltage rating shall be 415 V +/- 1 % , 3 phase 50 Hz complete in all respects. (battery should be VRLA type)	10.00	Nos	2077103.60	20771036.00
3.02	The Incoming shall be suitable of 415 V, 3-Phase, 4-wire, 50 Hz supply and nominal output voltage rating shall be 230 V +/- 1 % , single phase 50 Hz complete in all respects. (battery should be SMF type)	2.00	Nos	2555417.80	5110835.60
4.00	Passive Components for LAN, Telephone & Access Control				
4.01	Providing and laying of CAT 6A LSZH U/UTP Cable, white jacket, 4 pair count in the existing surface/recessed steel/ PVC conduit etc. as per technical specification	200690.00	Mtrs	52.00	10435880.00
4.02	Supply, Installation, Termination & commissioning of Cat 6A, 24-port Unloaded Jack Panel Angled Information Outlet on the existing switch box/ cover including connections i/c Ferulling & Continuity Testing of both end and Labelling of I/O (at W/S End/Patch End) etc. as per technical specification	219.00	Nos	2580.00	565020.00
4.03	Supply, Installation, testing & commissioning of CAT 6A, 24-port Unloaded Jack Panel Straight Face Plate on the existing switch box/ cover including connections etc. as required.	13.00	Nos	2154.00	28002.00
4.04	Providing, Erection/Dressing & testing of Cat 6A U/UTP Information Outlets patch cords (UTP) on the existing switch box/ cover including connections etc. as required.	6688.00	Nos	564.00	3772032.00
4.05	Providing and Installation of Cat 6A U/UTP Information Outlets Resource patch panel (Cat 6A, 24-port Unloaded Jack Panel Angled / straight)) as per required and SCC.	1207.00	Nos	234.00	282438.00
4.06	SITC of CAT 6A LSZH U/UTP RJ45 Patch Cords 2 Mtr, Blue For Data User Side & Rack Side etc. as required.	4106.00	Nos	360.00	1478160.00
4.07	SITC of CAT 6A LSZH U/UTP RJ45 Patch Cords 2Mtr, Red For VOIP User Side & Rack Side etc. as required.	908.00	Nos	360.00	326880.00
4.08	SITC of CAT 6A LSZH U/UTP RJ45 Patch Cords 2 Mtr, Yellow For Voice Rack Side etc. as required.	1207.00	Nos	360.00	434520.00
4.09	Supply and Laying of 12-core Outside Plant Fiber Cable - Multimode (OM4), Single Jacket, Corrugated Steel Tape Armor, Gel-free, Stranded Loose Tube Cable in existing surface/recessed steel/ PVC conduit as required.	4000.00	Mtrs	360.00	1440000.00

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
4.10	Supply and Laying of 4-core Outside Plant Fiber Cable - Multimode (OM4), Single Jacket, Corrugated Steel Tape Armor, Gel-free, Stranded Loose Tube Cable in existing surface/recessed steel/ PVC conduit as required.	6000.00	Mtrs	360.00	2160000.00
4.11	Supply, Installation testing and commissioning of 24F, 1U, LC MM OM4, Loaded with Splice tray, adapter, Pigtail & splice protectors etc. as per required.	17.00	Nos	8520.00	144840.00
4.12	Supply, Installation testing and commissioning of 48F, 1U, LC MM OM4, Loaded with Splice tray, adapter, Pigtail & splice protectors etc. as per required.	9.00	Nos	13128.00	118152.00
4.13	Supply, Erection/Dressing & testing of LC-LC Multimode OM4 ,50/125 micron Duplex Patch Cord, LSZH, 3 Meter (Fiber) etc. as per technical specification.	60.00	Nos	1830.00	109800.00
4.14	Providing, Laying & testing of 100 Pair Riser Cable Un-Armored for riser Backbone Components Voice Connectivity etc. as per required.	400.00	Mtrs	535.20	214080.00
4.15	Supply, Fixing , Termination and commissioning of of 1200 Pair Krone Box With Back Mounting Frame And Connecting Module on surface etc. as required.	3.00	Nos	41712.00	125136.00
4.16	Supply of copper conductor with PVC insulation Hook Up wire 2 core	400.00	Mtrs	178.20	71280.00
4.17	Supply, Installation testing and commissioning of 42U Floor Standing Rack Including Standard Accessroies (800 X 1000) etc. as required.	16.00	Nos	73800.00	1180800.00
4.18	SITCof Cable manager for 1U, Single-sided horizontal cable manager, finger-duct style etc. as required.	116.00	Nos	420.00	48720.00
4.19	Supply, Installation testing and commissioning of 15U 600 x 600 wall mount Rack with front glass door and side panels with Accessories etc. as required.	4.00	Nos	9540.00	38160.00

200

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
5.00	ACCESS CONTROL SYSTEM				
5.01	Supply, installation, testing and commissioning of Access Intelligent 16 Reader Controller, Powerful network-ready door controller for up to 32 readers (16 from module) ,Embedded lock power management lowers installation costs ,Hardened Linux embedded OS for improved security and scalability ,Includes global anti-passback and advanced peer-to-peer clustering , Native intrusion zone functionality ,LCD provides important controller status and diagnostics information ,Manages up to 500,000 cardholders in local memory ,Dedicated input for fire alarm interlock overrides door locks during fire conditions ,Onboard 256-bit AES network encryption ,Tested and validated for FIPS 140-2 under the National Institute of Standards and Technology (NIST) Cryptographic Module Validation Program , Rack-mount models provide flexibility in mounting options, System Memory 2 GB RAM, SD Storage 16 GB SD card, Primary Network Port 10/100/1000 Mbps, full duplex, auto-negotiate Secondary Network Port 10/100/1000 Mbps, full duplex, auto-negotiate Network Encryption Optional AES 256-bit, with custom key management Indicators and Switches LCD for diagnostics, LEDs for power, LAN activity, serial port activity, output status, encryption-enable switch, UL 294, CSA ,Burglar Alarm UL 1076, CE EN 55022 (EMI), EN 55024 (EMC), EN, FCC Part 15 Class A, EN 55022, EMC EN 55024, EN 50130-4, IEC 62599-2, EN 61000-6-1 Encryption FIPS 140-2 Level 2 (Certificate #2315), FIPS 197, Seismic Certification OSHPD Certification File # OSP-0425-10 etc. as required.	14.00	nos.	120117.40	1681643.60

cop

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
5.02	Supply, installation, testing and commissioning of Access Intelligent 8 Reader Controller, Powerful network-ready door controller for up to 32 readers (16 from module) ,Embedded lock power management lowers installation costs ,Hardened Linux embedded OS for improved security and scalability ,Includes global anti-passback and advanced peer-to-peer clustering , Native intrusion zone functionality ,LCD provides important controller status and diagnostics information ,Manages up to 500,000 cardholders in local memory ,Dedicated input for fire alarm interlock overrides door locks during fire conditions ,Onboard 256-bit AES network encryption ,Tested and validated for FIPS 140-2 under the National Institute of Standards and Technology (NIST) Cryptographic Module Validation Program , Rack-mount models provide flexibility in mounting options, System Memory 2 GB RAM, SD Storage 16 GB SD card, Primary Network Port 10/100/1000 Mbps, full duplex, auto-negotiate Secondary Network Port 10/100/1000 Mbps, full duplex, auto-negotiate Network Encryption Optional AES 256-bit, with custom key management Indicators and Switches LCD for diagnostics, LEDs for power, LAN activity, serial port activity, output status, encryption-enable switch, UL 294, CSA ,Burglar Alarm UL 1076, CE EN 55022 (EMI), EN 55024 (EMC), EN, FCC Part 15 Class A, EN 55022, EMC EN 55024, EN 50130-4, IEC 62599-2, EN 61000-6-1 Encryption FIPS 140-2 Level 2 (Certificate #2315), FIPS 197, Seismic Certification OSHPD Certification File # OSP-0425-10 etc. as required.	6.00	nos	239692.70	1438156.20
5.03	Supply, installation, testing and commissioning of contact-less 2 KB (EEPROM memory configured with 2 application areas smart card with an operating frequency of 13.56 MHz, and shall meet 14443 standards Mifare contactless smart card open technology, complete as required.	2000.00	Nos	123.50	247000.00
5.04	Supply, installation, testing and commissioning of biometric reader with a read range of 8 to 9 cm for time attendance system. Finger print Templates : up to 9,500, Operating Temperature / Humidity: 0°C to 65°C / 5% to 95%RH, IP Rating: IP-65 weatherproof and UL certified sensor, FCC, CE approvals, complete as required.	10.00	Nos	56962.10	569621.00

700

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
5.05	Supply, installation, testing and commissioning of contact-less smart card Reader, Frequency : 13.56 MHz mifare Authentication: Smart card only Visual annunciation : Tri-color LED, "LED off" function, Audio annunciation : Built-in piezo sounder Operating Temperature: -31 to +149°F (-35 to +65°C), Mounting: Metal mounting compatible Environment and IP rating: IP67 rated weatherproof suitable indoor and outdoor both Power draw : 30 mA typical, 75 mA peak @ 12VDC, Certifications & Approvals: CE, FCC, complete as required.	173.00	Nos	9642.10	1668083.30
5.06	Supply, installation, testing and commissioning of Access Control System Server Software consisting of Access Control system, graphical interface is completely customizable to monitor activities .Control security objects directly from the monitoring station or from the graphical CAD maps.Create a virtual hub of integrated applications with the industry's most powerful integration platform, built with .NET technology.Get critical security information more quickly, even in widely deployed systems, with superior WAN performance.Change data views, move data columns around, and modify data for groups of people – dynamically from a single screen.Easily drag and drop cameras directly to the interface for powerful, and instantly active, video integration.server or application.Inherent redundancy of Microsoft® SQL Server provides automatic data backup.New! Richer integration access, video, and intrusion. Administer and monitor .Advanced Door Monitoring for up to 14 inputs (i.e. bond sensor, fire alarm lock release, etc.).Guard Tour capability allows security personnel to patrol predetermined checkpoints within a time frame, or by event or email notification. Assign role-based privileges through groups to save time. manage visitor life cycle with minimal training using Receptionist Portal ,Register, badge, and track visitors, and manage scheduled appointments with reporting accountability ,Capture and store visitor information with appointment details for policy compliance , Flexible software check in/check out at front desk or automated at access control points ,Customize data templates for fast appointment setup and visitor processing , Email calendar file invites to hosts and visitors with appointment details and policy attachments ,Notify hosts by email when visitors check-in and remind visitors of unreturned temporary credentials.	1.00	Set	611000.00	611000.00

200

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
5.07	Supply, installation, testing and commissioning of Smart Card Photo ID Printing Modules comprising of- Web cam for Photo Picture, printer Dual sided color b/w with accessories for plastic card personalization, PVC card Sticker, ID card Management and printing, complete as required.	1.00	Set	34305.70	34305.70
5.08	Supply, installation, testing and commissioning of 1200 lbs Double Leaf EM locks with all required brackets, complete as required.	127.00	Nos	10292.10	1307096.70
5.09	Supply, installation, testing and commissioning of 600 lbs Single Leaf EM locks with all required brackets, complete as required.	9.00	Nos	3792.10	34128.90
5.10	Supply, installation, testing and commissioning of Flush mounted SS based motion sensor based exit switch complete with all accessories.	136.00	Nos	1233.70	167783.20
5.11	Supply, installation, testing and commissioning of Surface mounted Magnetic Contact Door Sensor for monitoring the status of the doors (OPEN/CLOSE), complete as required.	136.00	Nos	1090.70	148335.20
5.12	Supply, installation, testing and commissioning of Emergency break glass as required	136.00	Nos	872.30	118632.80
5.13	Supply and Laying of 8 Core x 0.2 sqmm multistrand, copper unarmoured shielded Cable in existing conduit, complete as required. (between the every card readers & the access controllers)	14160.00	RM	97.50	1380600.00
5.14	Supply and Laying of 2 Core x 1.5 Sq mm, multistrand, copper, shielded, unarmoured cable in existing conduit, complete as required. (between the controller and EM Lock/ door sensor/Request to exit button).	11900.00	RM	68.90	819910.00
5.15	Supply, Installation, testing and commissioning of External 12V 5Amp or 24V 2.5 Amp Power Supply for EM locks, complete as required.	35.00	Nos	3142.10	109973.50
5.16	Supply, installation, testing & commissioning of workstation for Access control software with Core i7 processor, 8GB RAM, 1TB HDD, Windows 64 bit OS, external DVD writer, wireless keyboard, wireless mouse, 2GB Graphics card with dual monitor support, complete as required.	4.00	Nos	227697.60	910790.40

20

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
5.17	Supply, Installation, testing & commissioning of ACS Server with Intel Xeon E3-1240 v5 (3.5 GHz or greater), Dual drives: primary drive = 1TB or greater (9000 Runtime); secondary drive = 1TB or greater (data backups). SSD is recommended. Drive speed- 15,000 RPM or greater, Memory - 32GB or greater, Network adaptor card - Intel Gigabit ET Quad Port Adapter, Gigabit Ethernet NIC, PCIe x4, DVD Drive, Video card - Integrated video subsystem (dedicated video accelerator recommended when used as a client workstation), Windows 10 Professional & Enterprise (version 1809 or higher) (64-bit) Windows Server 2016 SP1 and higher (64-bit), Windows Server 2019 (64-bit)	2.00	nos	438999.60	877999.20
6.00	CCTV System				
6.01	Supply, installation, testing and commissioning of 2 Megapixel Outdoor Colour Dome IR (upto 150 meters) PTZ Camera complete with camera mount and all accessories, outdoor weather-proof housing (IP 66), etc. as per specifications.	7.00	Mtrs	166400.00	1164800.00
6.02	Supply, installation, testing and commissioning of 2 Megapixel Varifocal Outdoor Fixed IR (upto 150 meters) Colour Box Camera complete with camera mount and all accessories, Weather-proof housing (IP66), etc. as per specifications.	11.00	Nos	71500.00	786500.00
6.03	Supply, installation, testing and commissioning of 2 Megapixel Varifocal Indoor Fixed Colour Dome Camera complete with camera mount and all accessories, indoor housing (IP54), etc. as per specifications.	230.00	Nos	27742.00	6380660.00
6.04	Supply, installation, testing and commissioning of Network Attached Storage (NAS) per TB usable capacity on SAS/SATA Disk (in RAID 6 configuration) with two controllers complete with all accessories, etc. as per specifications.	300.00	Nos	30091.10	9027330.00
6.05	Supply, installation, testing and commissioning of 55" Displays (For Client PC Type A) complete with wall/ceiling/floor mounting arrangement as per specifications and preferred makes.	2.00	Nos	72150.00	144300.00
6.06	Supply, installation, testing and commissioning of 3X2 55" Thin bezel LED Video-wall displays with Controller (For Client PC Type A) complete with Frame & wall/ceiling/floor mounting arrangement as per specifications and preferred makes.	1.00	Nos	2766400.00	2766400.00
6.07	Supply, installation, testing and commissioning of Workstation (Client PC type A) including Operating system and Anti-virus with Keyboard, Optical Scroll Mouse and all accessories, etc. complete as per specifications.	2.00	Nos	183300.00	366600.00

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
6.08	Supply, installation, testing and commissioning of Workstation (Client PC type B) including Operating system and Anti-virus with 23" Monitor, Keyboard, Optical Scroll Mouse and all accessories, etc. complete as per specifications.	2.00	Nos	183300.00	366600.00
6.09	Supply, installation, testing and commissioning of Multifunction Colour Laser printer, Scanner (A4 Size, 22 ppm) as per specifications	1.00	Mtrs	50050.00	50050.00
6.10	Supply, installation, testing and commissioning of Console for Control room for two operators with 02 nos. of rotating pushback chairs Complete as per specifications.	1.00	Mtrs	65650.00	65650.00
6.11	Supply, installation, testing and commissioning of Rack Mountable Database/NVR/ Camera Server including Operating system and Anti-virus for lifetime, complete with all accessories as per specifications.	8.00	Nos	499063.50	3992508.00
6.12	Supply, installation, testing and commissioning of Rack Mountable Video Analytics Server including Operating system and Anti-virus for lifetime, complete with all accessories as per specifications.	4.00	Nos	499063.50	1996254.00
6.13	Supply, installation, testing and commissioning of Network Time Protocol (NTP) Server with accessories as per specifications and preferred makes.	1.00	Nos	981500.00	981500.00
6.14	Supply, installation, testing and commissioning of 12 port KVM Switch/es with integrated 17" LCD/ LED Monitor, for connectivity in 42 U rack with Servers as per specifications.	1.00	Mtrs	47450.00	47450.00
6.15	Supply, installation, testing and commissioning of Surveillance CCTV 19" Equipment Rack (40/42 U) including cooling fans, Patch Panel, Cable Manager, accessories, etc. complete as per specifications.	1.00	Nos	44090.80	44090.80
6.16	Supply, installation, testing and commissioning of Speed Dome Controller Joystick complete as per specifications	1.00	Mtrs	122850.00	122850.00
6.17	Supply, installation, testing and commissioning of VMS & Digital Video Surveillance Control Software for complete system consisting of Servers/ Workstations/ NAS, to be supplied with media (2 Nos. of Software CD at site) to meet the technical & functional requirements as per tender at site, with per camera licence.	252.00	Nos	8450.00	2129400.00
6.18	Supply, installation, testing and commissioning Video Analytics Software IP Fixed Camera connection License.	241.00	Nos	9100.00	2193100.00
6.19	Supply, installation, testing and commissioning of standard length of patch cords of 03 mtr length as per site requirement and specifications.	252.00	Nos	520.00	131040.00

200

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate in Rs.	Amount in Rs.
6.20	Supply, installation, testing and commissioning of 4" dia, up to 5 Mtrs. height GI Pole i/c foundation of pole with accessories for mounting of camera as per specifications	3.00	Nos	35100.00	105300.00
7.00	AMC of LAN , EPBAX , Access Control and SCCTV System etc.				
7.01	Providing technical support for attending day to day activity for maintain the LAN system, EPBAX, Access Control , SCCTV system etc. by deployment of qualified manpower as per tender specification	5.00	Per Annum	5469860.00	27349300.00
	Total				221309596.98
	Discount offered during auction worked out based on quoted amount in Reverse Auction(RA) i.e @48.0783235%				106401944
	Quoted amount by bidders in Reverse eAuction				114907653.01
8.00	CAMC of SCCTV system The amount of CAMC for SCCTV is worked out @5% per annum of SITC cost of CCTV system (i.e. total of item no. 6.01 to 6.18 after considering discount @ 48.0783235% offered in Reverse Auction(RA) for 1st year and plus 10% escalation for 2nd year on 1st year CAMC charges as per SCC para 5.5 evaluation of tender and para 19 AICAMC for CCTV system of tender document.				
8.01	Providing CAMC services after DLP period of 03 years for SCCTV system i.e. 4th Year @ 5% of SITC cost on item no. 6.01 to 6.18	1	Per Annum	846999.42	846999.42
8.02	Providing CCMC services after DLP period of 03 years for SCCTV system i.e. 5th Year @ 5% of SITC cost + 10% escalation on item no. 6.01 to 6.18	1	Per Annum	931699.36	931699.36
	Total				116686351.79

(Rupees Eleven Crores Sixty Six Lakhs Eighty Six Thousand Three Hundred Fifty One and Seventy Nine paise Only.)

28/03/2022

(Mukul Mittal)
Jt. Genral Engg(E), Project,
Safdarjung Airport