



Tender No. KIAL/TDR/IT003/2021-22

TENDER

FOR

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMPUTERS
AND PERIPHERALS TO KANNUR INTERNATIONAL AIRPORT LIMITED

KANNUR INTERNATIONAL AIRPORT LIMITED
Kannur International Airport -PO
Mattannur, Kannur -670708
Kerala

TENDER COST: Rs 2000/- +18 % GST

September 2021

Tender Notice

KANNUR INTERNATIONAL AIRPORT LIMITED having its registered office at Kannur International Airport P.O, Mattannur, Kannur, Kerala-670708 invite Tender from agencies meeting the eligibility criteria of the tender for “Supplying, Installing, Testing and Commissioning Computers and Peripherals to Kannur International Airport Limited”. Tender document will be available in website www.kannurairport.aero from 27 September 2021 to 8 October 2021. The cost of the tender document is Rs 2000/- + 18% GST.

The due date for submission of Tender is up to 4 PM on 18 October 2021.

The Technical Bid will be opened on 18 October 2021 at 5:00 PM at the office of Kannur Airport in the presence of the Bidders or their duly authorized representative who choose to be present. The Financial Tender of those companies/ agencies who meet the eligibility criteria and whose Technical Tenders have been found acceptable will only be opened at a later stage and the date will be intimated to the eligible bidders later.

(Sd/-)
Managing Director
Kannur International Airport Ltd

I. IMPORTANT DATES AND INFORMATION

Sl. No.	FAQ	Answer
1	Cost of Tender Document	Rs 2000/- + 18% GST (non-refundable) in favour of Kannur International Airport Ltd through Demand Draft payable at Kannur.
2	EMD	Rs.50000/- should be submitted in favour of Kannur International Airport Ltd through Demand Draft payable at Kannur.
3	Performance Security Deposit	Rs 1,00,000/- by Bank Guarantee from any of the nationalized/scheduled banks should be submitted in favour of Kannur International Airport Ltd (Applicable for successful bidder only)
4	Address of Owner	Kannur International Airport Limited Kannur International Airport -PO Mattannur, Kannur -670708 Kerala
5	Tender Document Delivery Mode	Physical
6	Last date and time of Submission	18 October 2021 up to 4:00 PM
7	Date of opening Technical Bid	18 October 2021 at 5:00 PM
8	Date of opening Financial Bids for technically qualified bidder	Will be intimated to shortlisted applicants through email.
9	Duration of contract	3 years.
10	Validity of Tender	120 days from the date of opening of tender
11	Total Number of pages of Tender Document	21 pages

2. GUIDELINES TO BIDDERS:

- a) Tender documents can be downloaded from the Web site www.kannurairport.aero
The bids shall be submitted in physical mode only.
- b) The bidders shall submit their Technical bid and Financial Bid in sealed envelopes to Kannur International Airport before the mentioned deadline.
- c) **TENDER DOCUMENT FEES AND EARNEST MONEY DEPOSIT (EMD)**
The bidder shall pay, a tender document fee of Rs. 2360/- (inclusive of GST). Earnest Money Deposit of Bid security of Rs 50,000/-. The Bid security is required to protect the purchaser against risk of Bidder's conduct, which would warrant the forfeiture of security.

3) CRITICAL DATES:

SL No.	EVENT	DATE and TIME	
1	Document Download Sale	Start Date: 27 September 2021 1100 hrs	End date: 15 October 2021 up to 1800 hrs
2	Clarification	Start Date: 27 September 2021 at 1500 hrs	End date: 5 October 2021 up to 1800 hrs
3	Bid Submission	Start Date : 12 October 2021 1000 hrs	End date: 18 October 2021 up to 1600 hrs
4	Pre-Qualification & Technical Bid Opening Date	18 October 2021 at 1700 Hrs	
5	Financial Bid Opening Date	Will be notified after the Technical Bid opening process.	

NOTE **

- i) Kannur Airport may at its discretion extend / change the schedule of any activity by intimating the bidders through a notification on the website.

4) Clarification on Tenders:

- a) All enquiries/clarifications in connection with this tender should be addressed to tenders@kannurairport.aero, through email. The Clarifications/queries shall be replied through email and published on website.
- b) To assist in the examination, evaluation and comparison of Tenders, the Purchaser may, at its discretion, ask the Bidder for a clarification or additional documents. All responses to requests for clarification shall be through physical/email mode only.
- c) The Purchaser may, at its discretion, extend the deadline for the submission of Tender by amending the Tender Documents, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

5. Scope of Work:

1. **Supply of Computers and peripherals:** The selected vendor shall supply the Desktops and other peripherals along with necessary operating systems and drivers at Kannur Airport along with necessary licensed software for using the computers, as per the specification provided in Annexure-VII.
2. **Installation of Computers and other peripherals:** The vendor shall deliver the Desktops and other peripherals at Kannur International Airport mentioned above and ensure successful installation and operation of the same along with related drivers.
3. **Ensure working condition:** The vendor must ensure that all the Desktops and other peripherals provided must be as per the specification mentioned in the tender document and also in proper working condition.
4. **Comprehensive Maintenance of Desktops and other peripherals during Warranty period:** The vendor has to maintain all the Desktops and Peripherals supplied through this order during the warranty period of three years.
5. **Technical Support:** Successful vendor shall provide technical support during the warranty period on call basis. Complaint should be attended within 2 hours from the receipt of the complaint.
6. **Replacement of Parts:** The vendor has to ensure rectification of the faulty Desktop, Printers, Ups and other peripherals or providing replacement for the same as per uptime requirements mentioned in General Conditions of this document.

6. Eligibility Criteria for the bidder:

The eligibility criteria for bidders are as follows:

- i. The bidder should have minimum 3 years of experience as on 1st April, 2021 in the area of Hardware Supply. The bidder must attach a copy of the work orders received in 2021 or early.
- ii. The bidder should have average annual turnover of Rs. 25 Lakhs (Rupees Twenty Five Lakhs only) in last 2 financial years i.e. 2018-19 & 2019-20. The bidder must attach copy of audited Balance Sheet and Profit & Loss statement.
- iii. The bidder should have at least 20 Technical Staff as on 1st April, 2021 on its payroll. The certificate from bidder's HR department must be attached along with the list of employees.
- iv. The bidder should have successfully fulfilled at least 2 similar work orders in last three years. Submit Client Completion Certificate for these work orders indicating number of items supplied and total value of the order for each project.
- v. The bidder must have office/s in Kerala desirably in Kannur. The bidder must attach latest copy of either Telephone Bill/Electricity Bill/ Property Tax Bill etc. as proof of their office in Kerala.

- vi. Single Entity Bidding Only.
- vii. The Bidder shall be either OEM or authorized dealer/agency of the OEM (Documentary proof to be submitted). Dealer/agency shall submit the Copy of the authorized dealership/agency certificate issued by the OEM.
- viii. It should have PAN number and GST registration. Proof should be attached with the Tender.
- ix. It should not have been blacklisted by any organization. An undertaking should be submitted by the agency that their firm has not been blacklisted or any court case is not pending against them related to their 'Computers Procuring Services' for last three years.
- x. An Earnest money deposit of Rs 50,000/- (Rupees fifty thousand only) is to be submitted along with the tender document only in the Demand Draft in favour of "Kannur International Airport Limited".

7. General Conditions

1. Fixed Price: Prices quoted by the bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable/variable price quotation will be treated as non-responsive and rejected.
2. The Tender should be submitted within the date and time as described in the tender document. Further, Kannur Airport would not be liable for any delay occurred in submission of the quotations. The onus lies on the bidder to ensure the submission within stipulated date and time.

3. Tendering Process:

The bid document should be submitted physical in the following manner:

Cover-1: Cost of Tender Document and EMD as two Demand Drafts, Bidder Details (Annexure-I) , Pre-Bid Qualification Documents Compliance statement (Annexure-V) duly filled in, along with the scanned copies of the necessary supporting documents. The Cover-1 should be superscribed as "Cover-1 (Technical Bid)".

Cover-2: Financial Bid: The Bidder shall submit the Financial bid strictly as per the attached format. The Cover-2 should be superscribed as "Cover-2 (Financial Bid)".

Both these covers shall be sealed separately and kept in a single envelope. The envelope should be superscribed with "Tender for Supplying, Installing, Testing and Commissioning Computers and Peripherals to Kannur International Airport Limited, Tender No KIAL/TDR/IT003/2021-22". The envelope should be addressed to "Managing Director, Kannur International Airport, Kannur International Airport Post, Mattannur, Kannur-670708 Kerala. The agency should write their name and address on the bottom left of the envelope. This sealed envelope should be dropped in the tender box kept at MD's office.

4. The Technical Bid will be opened on in the said date and time at the office of Kannur Airport. If the said day happens to be a holiday day due to any reasons the Technical Bid

will be opened in the next working day at the same time

5. After opening of Technical bids and verifying the EMD amount, the technical bids shall be evaluated later on to ensure that, the bidders meet the eligibility criteria as specified in the tender document.
6. The technical bids shall be evaluated based on the available documents submitted by the bidder. To assist in the examination, evaluation, comparison of the bids and qualification of the bidders, Kannur Airport may, at its discretion, ask any bidder for a clarification of its bid. Any clarification submitted by a bidder that is not in response to a request by Kannur Airport shall not be considered. Kannur Airport request for clarification and the response shall be through e-portal only.
7. If a bidder does not provide clarifications of its bid by the date and time set by Kannur Airport, their bid may be rejected.
8. The Financial bids of those bidders who meet the eligibility criteria on evaluation of Technical bids will be opened on a day and time fixed by Kannur Airport which will be intimated to the qualified bidders.
9. The successful bidder shall enter into contract and the authorized signatory shall execute and sign the contract agreement in accordance with the terms and conditions contained in the tender document before commencement of service. The agreement will be valid till the assigned work gets fully executed, unless terminated in writing.
10. The quantities indicated are only indicative and may vary at the time of final order placed.
11. If the party does not provide the material as per the specification and/or within the stipulated time, the supplier would be treated as defaulter and would be liable to forfeit the EMD/Security Deposit and damages/losses caused and such parties shall not be considered for any future requirements of Kannur Airport. In such case, Kannur Airport will be free to award the work to next lowest parties as per mutual discussion.
12. The hike in price will only be considered to the extent of the rates increased in terms of Govt. levies/taxes declared and/or implemented by Central/State Governments/local municipality (applicable if any) during the currency of the contract. The same will however be considered, only if the party produces the authentic documents.
13. Repeat Order: Kannur Airport reserves the right to place the repeat order, with same terms and conditions as per the first order.
14. The quoted amount shall be inclusive of packing, transportation, loading and un-loading charges to delivery at Kannur International Airport. The rate shall be exclusive of applicable GST.
15. The competent authority reserves the right to accept or reject any or all tenders in full or part without assigning any reasons thereof.
16. Change(s) in any of the terms and conditions by bidder stipulated in the tender shall not be acceptable to Kannur Airport.

17. In case of any dispute arising in relation to interpretation of any of the terms and conditions of the contract in tender in part/full, the decision of Managing Director, Kannur Airport shall be final and binding to all.
18. The competent authority reserves the right to terminate the contract at any point of time during the currency of the contract, if any of the above terms and conditions is found to have been violated.
19. Conditional acceptance would not be considered as an acceptance.
20. The party has to offer rates for all items. Tender with rates not offered for all items shall be liable for rejection.
21. No corrections/alterations are possible once tender is submitted.
22. The party will agree that their personnel will at all times comply with all security regulations in effect from time to time at Kannur Airport's premises and externally for materials belonging to Kannur Airport.
23. The successful bidder shall keep sufficient spares and repairing equipment to provide prompt services at any defined location/s.
24. Adequate coverage of Insurance shall be the responsibility of the successful bidder, who shall provide coverage for all items, against transit risks, incidental to acquisition, transport and delivery of equipment upto the destination.
25. In case of damage or loss in transit upto destination it shall be the responsibility of the successful bidder to initiate and pursue the claim with insurance company.
26. **Terms of payment:**
 - i. **95% payment will be made to the bidder on successful Supply, Installation, Testing and Commissioning of Computers, Printers, Scanners, UPS, Projector and Accessories as per the specification, terms and conditions of this tender. Balance 5% payment will be released after completion of warranty period i.e. three years.**
 - ii. **Document Required for Payment: -**
 - a) Original signed invoice
 - b) Item list
 - c) Certificate of Kannur Airport's authorized officer stating that items are received in good condition at site.
 - d) The Bidder shall furnish the details of their Account in the specific format, for making the E- Payment.
 - e) The bidder shall submit copy of satisfactory completion certificate duly signed by Kannur Airport.
 - f) The bidder shall submit Warranty/ Guarantee card of OEM duly signed and sealed along with items

- g) The bidder shall submit undertaking for the making the items make good/repair/replace during the Warranty/ Guarantee period in their letterhead duly signed and sealed along with items.
27. The bidder shall guarantee availability of service Warranty for the Items for a period of 3 years from the certified date of completion of the work. The bidder shall submit an undertaking for Warranty for the Items for a period of 3 year as per Annexure-VIII.
- i.e. The warranty period will be 3 years from the certified date of completion of work. The agency is responsible to make good/repair/replace any defects noticed during the period.
28. No price escalation will be accepted under any circumstances on the quoted price.
29. All disputes arising out of this purchase shall be referred to the Managing Director, KIAL who will be the sole arbitrator and his decision shall be final and binding on both sides.
30. Items should be new and genuine: Repaired / refurbished items will not be accepted. The items should be supplied as per terms and conditions and no part supplies will be accepted. Failure to abide by regulations will result in blacklisting of company by KIAL.
31. The bidder shall submit product catalogue for verification of complete technical specification. If the technical specification in the product catalog is variant from technical specification specified in the tender, the data specified in the technical specification shall prevail.

If the successful bidder fails to execute the work as per the Terms and Conditions of the agreement executed, a penalty at the rate of maximum 10% of total contract value shall be levied on the contractor, which shall be recovered from the security deposit or from the payment to be made to the contractor and the contract may be terminated at the risk and cost of the contractor.

BIDDER DETAILS

Sl. No.	Particulars	To be filled in by the bidder
1	Name of the Agency	
2	Details of Tender Fee	
	(i) Amount	Rs 2360/-
	(ii) Demand Draft No.:	
	(iii) Date	
	(iv) Issued Bank	
3	Details of EMD	Rs 50000/-
	(i) Amount	
	(ii) Demand Draft No.:	
	(iii) Date	
	(iv) Issued Bank	
4	Date of Registration of the agency	
5	Detailed office address of the Agency with Office Telephone Number, Mobile Number, E Mail Address and name of the contact person	
6	Company's Kerala Office Address (if the company is not head quartered in Kerala)	
7	PAN/TAN Number (copy also to be enclosed)	
8	GST Number (Copy also to be enclosed)	
9	Whether the firm is blacklisted by any organisation or any criminal case is registered against the firm or its owner/partner anywhere in India. (An undertaking is as per Annexure VI to attached in this regard)	

10	Length of experience in the field of Hardware Supply and Maintenance.	
11	Experience in dealing with Govt./other organisations. (Indicate the names of the organisations and attach copies of experience certificates/work completion certificates issued by those organisations)	
12	Whether Unconditional Acceptance Letter (as per Annexure- III), duly signed, in token of acceptance of the terms and conditions, is attached?	
13	Whether agency profile is attached?	
14	Documentary proof to support the claim that the Bidder shall be either OEM or authorized dealer/agency of the OEM (Documentary proof to be submitted). Dealer/agency shall submit the Copy of the authorized dealership/agency certificate issued by the OEM.	
<p>Signature of the authorized Person Full Name: Seal:</p>		
<p>Date:</p> <p>Place</p>		

Financial Tender Format (BOQ)
(To be enclosed in Cover-2 Financial Bid)

SI. No	Item Description	Qty	Make & Model	Unit Rate Rs. (excl. taxes)	Total Amount Rs.
1.	Supply, Installation, Testing, Commissioning & Maintenance of Desktop Computers with 19.5" Monitor, Intel Dual core i5 processor, 8 GB RAM, 1 TB Hard Disk, Windows 10 Professional operating system and accessories as per specification given in Annexure VII Approved Make: Dell/HP/ Lenovo	24			
2	Supply, Installation, Testing, Commissioning & Maintenance of 600 VA UPS and accessories as per specification given in Annexure VII Approved Make: VGuard / APC	24			
3	Supply, Installation, Testing, Commissioning & Maintenance of Tower Server as per minimum specification given in Annexure VII Approved Make: Dell/HP	2			
4	Supply, Installation, Testing, Commissioning & Maintenance of Laptop as per specification given in Annexure VII. Approved Make: Dell/HP/Lenovo	2			
5	Supply, Installation, Testing, Commissioning & Maintenance of Projector, and accessories as per specification given in Annexure VII. Approved Make: Sony /Epson / LG	1			
6	MS Office 2019 Home & Business (as per specification given in Annexure VII)	60			
7	Upgradation of Windows 7/8/10 Home Operating System to Windows 10 Professional (64 Bit)	50			
8	Centralized Total Security Antivirus (hosted on server) for 130 users. (for three years) Make: QuickHeal/Kaspersky/Norton/McAfee	100			
9	Supply, Installation, Configuring and Testing of WinSvrSTDCore 2019 SNGL OLP 16Lic NL CoreLic Software	2			
Total Amount Rs.					
Rupees: (.....)					

*Quantity may get revised according to the requirements.

Annexure III

UNCONDITIONAL ACCEPTANCE LETTER
(On the letter head of the company)

Date:

To,

The Managing Director,
Kannur International Airport Limited

Sir,

Sub: Acceptance of KIAL's Terms and Conditions

We are in receipt of the quotation documents for TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMPUTERS AND PERIPHERALS. TO KANNUR INTERNATIONAL AIRPORT LIMITED. We hereby unconditionally accept the terms and conditions of Kannur International Airport Ltd mentioned in the tender document in entirety, for Providing this Service. Any conditions submitted by us stands automatically withdrawn.

Yours faithfully

(Signature of the bidder with office seal)

TENDER COST & EMD SUBMISSION: Compliance Statement

(This Compliance statement duly filled, along with the scanned copies of the documents to be submitted in Cover-I: Fee)

SL No	DOCUMENTS	DD# , Date and Issued Bank
01	Tender Cost / Fee : Rs 2360/- (Rupees Two thousand three hundred sixty only)	
02	EMD (Earnest Money Deposit) : Rs. 50,000/- (Rupees Fifty Thousand only)	

AUTHORIZED SIGNATURE :

NAME OF THE SIGNATORY :

NAME & ADDRESS OF THE BIDDER :

OFFICIAL SEAL & Date :

Pre-Bid Qualification Documents: Compliance Statement

(Scanned copy of this Compliance statement duly filled, along with the copies of the documents to be submitted in Cover-1)

SL No	DOCUMENTS	“YES “for Complied “NO” for not Complied	Page No
01	Duly filled and signed Bidder Details (Annexure I)		
02	Self attested copy of Certificates of Incorporation / Partnership Deeds or any other valid document issued by the respective Registrar of firms/companies. In case of Proprietorship firm, Self-declaration or self-certificate supported by PAN in the proprietor name would suffice		
03	Copy of PAN card & Proof of GST Registration		
04	Experience Certificates from minimum 3 Organisations		
05	Attested copy of relevant documents showing that the firm has minimum three years’ experience in providing similar services. (the Name & address of the Clients need to be enclosed)		
06	Undertaking for not having been Black Listed (Annexure-VI)		
07	Signed unconditional acceptance letter (as per Annexure III)		
08	Signed Compliance Statement with regard to Tender Cost and EMD (as per Annexure IV)		
09	Signed Certificate of Undertaking for Warranty (as per Annexure VIII)		

AUTHORIZED SIGNATURE :
NAME OF THE SIGNATORY :
NAME & ADDRESS OF THE BIDDER :
OFFICIAL SEAL & Date :

*Note: Ambiguous statements & incomplete supporting documents for vital tender requirements may attract the risk of rejection without further reference.

UNDERTAKING FOR NOT BEEN BLACKLISTED

(Duly filled in the letter head of the bidder, scanned copy to be submitted in Cover-1)

Sub: **TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMPUTERS AND PERIPHERALS. TO KANNUR INTERNATIONAL AIRPORT LIMITED**

We do hereby undertake that our firm or its partners or Directors have not been blacklisted or any case is pending or any complaint regarding irregularities is pending, in India or abroad, by any Organization or any Indian State/Central Governments Departments or Public Sector undertaking of India

Date:

Signature of bidder with seal

TECHNICAL SPECIFICATION

1. Desktop Computers

Approved Make: Dell/HP/Lenovo

SL No.	Description	Specification
1	Processor:	Intel Core I5 10 Generation 3.2 Ghz OR higher
2	Chipset & Mother Board:	Latest compatible 10 series chipset or higher
3	RAM:	8 GB DDR4 OR Higher, Expandable upto 16 GB
4	Hard Disk:	1 TB 7200RPM SATA OR Higher
5	Display/ Monitor	Minimum 19.5" HD LED Display
6	Wireless Connectivity	Integrated wireless/g/n, Integrated Blue tooth
7	Key Board & Mouse	Wired USB Key board and Mouse
8	Screen Resolution	1280 x 1024
9	Form Factor	SFF
10	Expansion Ports/ Input/ output	<ul style="list-style-type: none"> • Audio – Input/output • 1 x HDMI • 1 X VGA • 10/100/1000 Gigabit Ethernet 2 x USB 3.0 port, 4 x USB 2.0 port (Minimum 2 nos USB port at front)
11	Operating System	Windows 10 Professional 64 Bit or Higher
		Silverlight 5.1 (latest), Internet Explorer 11 and other necessary Hardware & software Drivers
12	Power Supply	230 V, 50 Hz AC Supply
13	Warranty	Minimum 3 years warranty should be provided for the above item from the date of successful commissioning

2. UPS 600 VA

Approved Make: V-Guard /APC

SL No.	Description	Specification
1	Output Voltage	230V AC±10%, 50 Hz±1%
2	Capacity	600VA
3	Backup time	Min 15 minutes at battery full charge condition
4	Indication	Visual And audio
5	Power Socket	Minimum 3 Nos
6	Warranty	Minimum 3 years warranty should be provided for the above item from the date of successful commissioning

3. Servers (Approved Make: Dell/HP)

#	Component	Description
01	Manufacturer	Dell/HP
02	Chipset Brand	Intel Chipset
03	Form Factor	Tower Server
04	Configured CPU	Up to one Intel® Xeon® product family processor with up to 6 cores per processor. OR above
05	Memory slots	16 DDR4 DIMM slots, speed up to 2666MT/s
06	Memory configured	16 GB scalable to 64GB
07	Disks supported	Front drive bays: Up to 4 x 3.5 hot-plug SAS/ SATA/SSD
08	RAID Controller	12Gbps PCIe 3.0 with RAID 1,
09	Disks configured	2x 1TB SATA HDD
10	DVD writer	DVD RW
11	I/O slots	Upto 2 x PCIe Gen 3.0 slots
12	Onboard Ethernet ports	2 x 1G RJ45
13	Certified for	Windows Server 2016-2019, VMWare, Red Hat Enterprise Linux, SUSE Linux Enterprise Server
14	Power Supply	Single 250W (Bronze) or 450W (Platinum) power supply4
15	SD Modules slots	Dual SD module slots supporting RAID1 config
16	Management integration	Support for integration with Microsoft System Centre, VMware vCenter, BMC Software
17	Power & temperature	Real-time power meter, graphing, thresholds, alerts & capping with historical power counters. Temperature monitoring & graphing
18	Pre-failure alert	Should provide predictive failure monitoring & proactive alerts of actual or impending component failure for fan, power supply, memory, CPU, RAID, NIC, HDD
19	Configuration & management	<ul style="list-style-type: none"> ● Real-time out-of-band hardware performance monitoring & alerting ● Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health ● Out-of-band hardware & firmware inventory ● Zero-touch auto configuration to auto deploy a baseline server configuration profile
20	Management (continued)	<ul style="list-style-type: none"> ● Automated hardware configuration and Operating System deployment to multiple servers ● Zero-touch repository manager and self-updating firmware system ● Virtual IO management / stateless computing ● Support for Redfish API for simple and secure management of scalable platform hardware

21	LCD panel	Should display system ID, status information and system error code followed by descriptive text. LCD background should light up in different colours during normal system operation & error conditions.
22	HTML5 support	HTML5 support for virtual console & virtual media without using Java or ActiveX plugins
23	Server security	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks
24		Should protect against firmware which executes before the OS boots
25		Should provide effective protection, reliable detection & rapid recovery using: - Silicon-based Hardware Root of Trust - Signed firmware updates - Secure default passwords - Configuration and firmware drift detection - Persistent event logging including user activity - Secure alerting - Automatic BIOS recovery - Rapid OS recovery - System erase
26		Configuration upgrades should be only with cryptographically signed firmware and software
27		Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) & prevent malicious modification of server firmware
28	Intrusion alert	Intrusion alert in case chassis being opened
29	Warranty	3 years On-site comprehensive warranty with 24x7x365 remote hardware support. Post installation, 3-year product warranty should reflect in the support web site of the OEM.

4. LAPTOP (Approved Make: HP/Dell/Lenovo)

S. No	Description	Specification
1	Processor:	Intel 10 th generation i5 3.2 Ghz or higher
2	Chipset & Mother Board:	Latest compatible 8 series chipset or higher
3	RAM:	8 GB DDR4
4	Hard Disk: SSD	512 GB
5	Display/ Monitor	Minimum 13” or above
6	Wireless Connectivity	Integrated wireless/g/n, Integrated Blue tooth
7	Expansion Ports/ Input/ output	<ul style="list-style-type: none"> • 1 x Display serial Port • 1 x HDMI • 10/100/1000 Gigabit Ethernet • 4 USB ports.
8	Operating System	Preloaded Windows 10 Professional or Higher
9	Power Supply	230 V, 50 Hz AC Supply
10	Warranty	Minimum 3 years on-site warranty should be provided or the above item from the date of successful commissioning

5. **Projector (Without Screen)**
Approved Make: Sony /Epson/ LG

SL No	Description	Specification
1	Remote control	Yes
2	Resolution	Minimum SVGA 800 x 600 Aspect ratio 4:3 Ratio
3	Portable	Yes
4	Interface	USB 2.0, VGA, HDMI
5	Audio Input	Yes
6	Screen coverage	Minimum 60 inch
7	Auto Brightness Adjustment	Yes
8	Warranty	Minimum 3 years warranty should be provided for the above item from the date of successful commissioning

6. **MS Office- MS Office 2019 Home & Business with Word, Excel, Power Point, Outlook and Teams.**

7. **OS Upgradation: To Windows 10 Professional**

8. **Antivirus Total Security: Server Version for 100 users (for 3 year)**

Approved Make: Kaspersky/ McAfee/ Quick Heal/Norton

9. **Windows Server 2019 – WinSvrSTDCore 2019 SNGL OLP 16Lic NL CoreLic Software**

Certificate of Undertaking for Warranty
(duly filled copy to be submitted in Cover-1)

To
The Managing Director,
Kannur International Airport limited (KIAL),
Kannur International Airport P O
Mattannur, Kannur District 670708
KERALA

SUB:- Certificate of Satisfactory Repair/Service during the 3 years Warrantee period

NAME OF WORK: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMPUTERS AND PERIPHERALS TO KANNUR INTERNATIONAL AIRPORT LIMITED

Tender No: KIAL/TDR/IT003/2021-22dated 27 September 2021.

- a. With reference to the Items and accessories being supplied / quoted to you, we hereby undertake that all the components / parts / assembly / software used shall be original new components / parts / assembly / software only, from respective OEMs of the products and that no refurbished / duplicate /second hand components / parts / assembly / software are being used or shall be used. It is also confirmed that the items are being supplied/quoted as per the technical specifications (or higher) mentioned in Annexure VII of tender document.
- b. We hereby undertake to provide warranty either through OEM or directly as per the requirement of the 3 years warrantee period from the certified date of completion of the work.
- c. If during the specified period the stores supplied found to be defective, the same shall be Replaced/Repaired immediately with serviceable store by us at the site at our risk and cost and abide by the decision of your office.
- d. In case of any failure, Kannur Airport has full right to adjust the Security Deposit in lieu of Repairing charges.

Yours faithfully,

AUTHORIZED SIGNATURE :

NAME OF THE SIGNATORY :

NAME & ADDRESS OF THE Bidder :

OFFICIAL SEAL & Date :