



Airports Authority of India

Information Technology Division
Safdarjung Airport, New Delhi

TENDER DOCUMENT

TENDER NO. : AAI/CHQ/ITD/Replacement IT Network Equipments/2017-18

**Title: "Replacement and Augmentation of IT Network Equipments
at Various AAI Offices"**

CPP Portal Tender ID:-2018_AAI_7719_1

Date 16/02/2018

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SECTION – 1**NOTICE INVITING TENDER**

1. Airports Authority of India invites e-tenders from OEM or Authorized System Integrator/Channel Partners/Suppliers of the OEMs for **"Replacement and Augmentation of IT Network Equipments at Various AAI Offices" with Reverse Auction** as per the bill of material given in schedule "B" to the tender document with detailed Technical Specifications as given in **Annexure – VII**. Tender specific Authorization from OEMs of products offered in the bids shall be submitted by the vendors.
2. **Estimated cost of the purchase / work & the EMD are as given below.**

Sr. No.	Name of the Work	Estimated Cost (INR)	EMD Amount in DD/BG (INR)	COST OF TENDER (INR)
1	Replacement and Augmentation of IT Network Equipments at Various AAI Offices CPP Portal Tender ID:- 2018_AAI_7719_1	Rs.11,79,40,290/-	Rs.23,58,806/-	Rs.2950/-

3. **Tender Fee:** The cost of tender fee shall be paid "offline" through Demand Draft issued by Nationalized / Scheduled Bank under RBI, having branch in India in a sealed envelope in favor of **"Airports Authority of India"** payable at New Delhi. The original Demand Draft should be posted /couriered /given in person to the concerned official, so as to reach latest by the date of submission of bid.
4. This tender is invited through the electronic tendering process and can be purchased offline & downloaded from the Central Public Procurement Portal with URL address <http://etenders.gov.in/eprocure/app>. A copy of the tender is also available on AAI website www.aai.aero. Please note that the submission of the tender is only through the e-Procurement portal <http://etenders.gov.in>. The tenders will not be accepted in any other form. Further it may be noted that tenders which are duly submitted on e-Procurement portal shall only be final and tenders just saved without submission / publish will not be available to the evaluation committee. Bidders are requested to go through the e-Procurement portal for guidelines, procedures & system requirements. In case of any technical difficulty, bidders may contact on the following help desk numbers & email ids.

(Help Desk Services)

- Any Queries relating to the process of online bid submission or queries relating to CPP portal Technical Assistance, please call the Helpdesk , on following Telephone Numbers Tel: +91-120-4200462, +91-120-4001002, +91-8826246593. & Email Address: support-eproc@nic.in
- Before submitting queries related to system, bidders are requested to follow the instructions given in e-procurement portal and get their computer system configured according to the recommended settings for the e-procurement portal.
- In order to facilitate the Vendors / Bidders, the AAI Help desk services shall be available on all working days (except Sunday) between 0800-2000 hours and shall assist users related to the use of the CPP e-Procurement portal. The below mentioned help desk numbers are intended only for queries

related to the ease of use on e-procurement portal. However AAI shall not be responsible for any reason to bidders for not submitting the bids in the e-procurement portal.

- For any technical assistance with regard to the functioning of the portal the bidders as well as AAI users may contact according to the escalation matrix as mentioned below :

SL. No.	Support Persons	Escalation Matrix	E-Mail Address	Contact Numbers	Timings*
1.	Help Desk Team	Instant Support	eprochelp@aai.aero	011-24632950 Ext. 3512 (Six Lines)	0800-2000 Hrs. (MON - SAT)
2.	Mr. Sanjeev Kumar Jr.Exe.(IT)	After 4 Hours of Issue	etendersupport@aai.aero	011-24632950, Ext-3505	0930-1730 Hrs. (MON-FRI)
3.	Jt. General Manager(IT)	After 24 Hours	prabhakar@aai.aero	011-24632950, Ext-3527	0930-1730 Hrs. (MON-FRI)
4.	General Manager(IT)	After 03 Days	gmitchq@aai.aero	011-24657900	0930-1730 Hrs. (MON-FRI)

- For queries related to the tenders published on the portal, bidders are advised to contact concerned Bid Manager from AAI. Clarification needed if any may be sent through e-procurement portal only.
- The AAI Help Desk services shall remain closed on Sundays & all Government Gazetted Holidays**

5. The critical dates for this tender are as given below.

Sl. No.	Activity	Up to Date & Time (IST)
1	Publishing Date & Time	09:00 Hrs 17-02-2018,
2	Document download / sale start Date & Time	09:00 Hrs, 17-02-2018
3	Seek clarification Start Date & Time	09:00 Hrs, 17-02-2018
4	Seek Clarification End Date	18:00 Hrs, 23-02-2018
5	AAI Response to bidders queries'	18:00 Hrs, 27-02-2018
6	Bid Submission Start Date & Time	18:30 Hrs, 27-02-2018
7	Bid Submission Closing Date & Time	18:00 Hrs, 08-03-2018
8	Bid Opening Date & Time	18:00 Hrs, 09-03-2018
9	Opening of Financial Bid/ Reverse auction	Shall be Intimated later

6. AAI may at its discretion, extend/change the schedule of any activity by issuing an addendum/corrigendum on the e-procurement portal <http://etenders.gov.in/eprocure/app>. In such cases, all rights and obligations of AAI and the Bidders previously subject to the original schedule will thereafter be subject to the schedule as extended/changed.
7. Worksite for the project will be the same locations same as mentioned in Schedule - B

GM (IT)

Issued On:

SECTION - II

INSTRUCTIONS TO BIDDERS

A. INTRODUCTION

1. DEFINITIONS

- 1.1 "AAI / The Buyer" means the Airports Authority of India.
- 1.2 "The Bidder / Vendor" means the individual or firm who participates in this tender and submits its bid.
- 1.3 "Project Manager AAI" means the AAI executive responsible for signing all documents from AAI side and shall coordinate all the activities of the project with the bidder / contractor.
- 1.4 "The Supplier / Contractor" means the individual or firm taking up the work as defined under the Notice Inviting Tender.
- 1.5 "The Works Order" means the order placed for the supply, installation, testing & commissioning of systems / works by the Buyer on the Contractor signed by the Buyer including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.6 "The Purchase Order / Supply Order" means the order placed for the supply of items by the Buyer on the Supplier signed by the Buyer including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.7 "The Contract" means the agreement signed between the Buyer and the Contractor as per the terms and conditions contained in the Works Order / Purchase Order.
- 1.8 "The Contract Price" means the price payable to the Contractor under the Works Order / Purchase Order for the full and proper performance of its contractual obligations.
- 1.9 "Non-responsive Bid" means a bid, which is not submitted as per the instructions to the bidders or Earnest Money Deposit has not been attached, or the required data has not been provided with the Bid or intentional errors have been committed in the Bid.
- 1.10 "CPP Portal" means, a Central Public Procurement Portal specified throughout this document is the online system for Bidders to submit their Tender packages.

2. Registration at CPPP :

- 2.1 The Bidders are required to enroll on the e-procurement module of the Central Procurement Portal (URL: <http://etenders.gov.in/eprocure/app>). Registration is free of charge.
- 2.2 Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class-II or Class-III certificates with signing key usage) issued by any certifying Agency recognized by CCA India.

3. The bidder shall submit the documents comprising the bid, in four packets available on CPP Portal as given below.

3.1 Packet-1: Tender Fee and EMD

- 3.1.1 **Tender Fee:** The cost of non-refundable (refundable for valid NSIC registered bidders as per GoI rules; For details refer clause 20 of section-IV) tender fee of value as given in Section-I of the Tender (Notice Inviting Tenders) shall be paid "**Offline**" through Demand Draft in favor of "**Airports Authority of India**" payable at New Delhi issued by Nationalized / Scheduled Bank under RBI, having branch in India in a sealed envelope. "**Scanned copy of DD for Tender Fee**" should be submitted in pack-1.
- 3.1.2 NSIC registered bidders shall upload copy of valid NSIC Registration Certificate as per GoI rules for the purpose of verifying their claim for exemption of Tender fee in pack-1. For details refer clause 20 of section-IV.
- 3.1.3 Tenders not accompanied by the requisite Tender Fee or valid proof as per GoI of exemption from Tender Fee, shall be rejected.
- 3.1.4 **Earnest Money Deposit:** EMD of value as given in in Section-I of the Tender (Notice Inviting Tenders) shall be submitted "**Offline**" as below: -
 - 3.1.4.1 EMD of the value as given in Section-I of the Tender (Notice Inviting Tender) shall be accepted either in the form of **DD or Bank Guarantee** from Nationalized/Scheduled Bank. Demand Draft /Pay Order should be in favor of "**Airports Authority of India**" payable at New Delhi. Bank Guarantee Performa is mentioned at Annexure-II A & B. The EMD in original in a sealed envelope should be posted/couriered or in person to the concerned official, so as to reach latest by the last date and time of the bid submission. "**Scanned copy of DD/Bank Guarantee for EMD**" should be submitted in pack-1.
 - 3.1.4.2 NSIC registered bidders shall upload copy of valid NSIC Registration Certificate as per GoI rules for the purpose of verifying their claim for exemption of EMD in Tender fee pack-1. For details refer clause 20 of section-IV.
 - 3.1.4.3 Tenders not accompanied by the requisite EMD or valid proof as per GoI of exemption from EMD, shall be rejected.
 - 3.1.4.4 The EMD Bank Guarantee shall be valid for a period of minimum eight (8) months from the notified date of opening of the Tender without any conditions by the Contractor. In the case of any extension of Tender opening date, Contractor shall arrange to extend the validity of the EMD Bank Guarantee suitably within two weeks.
 - 3.1.4.5 The bidder shall not change or alter or modify in any way, the language or contents of Annexure- II A & B (EMD Bank Guarantee) of this document.
 - 3.1.4.6 The bidder shall provide the name, designation, address, fax number, and telephone number of the bank issuing the Bank Guarantee for confirmation purposes.
 - 3.1.4.7 Details regarding EMD payment/Refund/forfeit may be seen in Section – III.
- 3.2 **Packet-2: (Pre-Qualification Bid) It shall consist of the following documents: -**
 - 3.2.1 (Bidders shall upload required documents in **JPEG/PDF** in readable form under **specific .RAR Files in English Language** at e-procurement portal as mentioned in bid documents)
 - 3.2.2 GST No./PAN /TIN - Registration number.

- 3.2.2.1 The bidder should have valid PAN & GST registration etc. in India or any regulatory requirement in this region.
- 3.2.3 In the case of System Integrator or Authorized Representative (AR) of OEM, Credentials (financial turnover & experience as mentioned below) of System Integrator or the authorized representative only will be considered for evaluating eligibility criteria. In both the cases Tender specific Authorization is required from OEMs.
- 3.2.3.1 In case of OEM, Proof of being Original Equipment Manufacturer (OEM) shall be submitted. An OEM is identified as the company that holds title to the Intellectual Property Rights (i.e. via copyright notice) of the supplied technology.
- 3.2.4 **Proof of work experience (Work Order):** Vendor should submit work order of **Similar Services** with one Work Order of value equal to 80% or more of the estimated cost or two separate Works Orders, each for a value equal to or more than 50% of the estimated cost or three separate Work Orders, each for a value equal to or more than 40% of the estimated cost issued within last 7 years from the last date of bid submission for Government Departments or Public Undertakings or Private sectors (with in India). Similar services mean "Setup of LAN-WAN" etc..
- 3.2.5 **Proof of satisfactory service (Completion of work):** Bidder shall submit performance certificate in respect of the experience of works claimed by bidder against proof of work experience (Para 3.2.4) above. Certification of satisfaction with complete detail of work carried out shall be submitted. Further completion certificates should be issued by the Client/ Customer. In case of work experience of Private Sectors, bidder has to submit TDS certificate issued by the Customer in support of payment received for execution of work.
- 3.2.6 All documents required for bids should be issued in English or notarized translation by the client/customer for whom works have been carried out.
- 3.2.7 **Tender specific Authorization Letter-** The bidder should attach a **valid tender specific authorization letters from OEMs of items given in the Bill of Material of Tender** to quote and support the systems at the worksite(s) listed in section-I of the Notice Inviting Tender.
- 3.2.8 **A list of clients served** (with contact address) shall also be attached.
- 3.2.9 **Articles of Memorandum of Association or Partnership Deed or Proprietorship Deed** as the case may be.
- 3.2.10 **Average Annualized Financial Turnover:** Vendor should have annualized average financial turnover of at least Rs.58,97,01,450/- (Rupees Fifty Eight Crore Ninety Seven Lakhs One Thousand Four Hundred Fifty Only) or equivalent during last 3 financial years. As a proof of financial turn over, copy of abridged Balance Sheet along with profit & loss account of the bidder for the last three year should be submitted.
- 3.2.11 **Acceptance Letter:** Acceptance of all tender conditions in the format enclosed as Annexure-I of the tender document.
- 3.2.12 **Power of Attorney:** Power of Attorney (Stamp of Rupees 100/-) as per format given in (Annexure-XI) authorizing the designated executive to sign all documents on behalf of the company or Firm, if the bid is not signed by the Director of the Company or Partner / Proprietor of the Firm.

- 3.2.13 **Details of the Vendor Firm/ Company:** Format enclosed as Annexure-VIII of the tender document.
- 3.2.14 **Integrity Pact Programme:** Signing of Integrity Pact (Annexure- IX) is mandatory for every bidder participating in this tender and the contractor who is awarded the work. The Pact signed on each page by the person authorized by bidder/sub-contractor/associate to sign the bid for submission or the person authorized to sign the contract on behalf of successful bidder shall be submitted by the bidder in PQQ along with the agreement by the Vendor.
- 3.2.14.1 All sub-contractors/associates whose contribution in the project is Rs. 0.50 Crores (Rupees Zero point Five Crores) or above shall sign Integrity Pact with the Authority after the work is awarded to the successful bidder. All bidder shall inform their sub-contractors/associates accordingly.
- 3.2.14.2 The Independent External Monitor (IEM) for this work shall be Sh. M. P. Juneja & Dr. Anup K. Pujari. All correspondences to him regarding implementation of Integrity Pact, shall be addressed Sh. M. P. Juneja c/o Chairman, Airports Authority of India, Rajiv Gandhi Bhawan, Safdarjung Airport, New Delhi-110003 & Dr. Anup K. Pujari IAS (Retd). E-mail id of IEMs are mp.juneja@yahoo.com & anup@nic.in respectively.
- 3.2.14.3 Integrity Pact shall be signed on plain papers by bidder, later which shall be signed by contract signing authority of AAI.
- 3.2.15 **PROFORMA FOR UNDERTAKING:** bidder firm shall submit an undertaking stating its firm or its partners or its Directors have not been black listed or any case is pending or any complaint regarding irregularities is pending, in India or abroad, by any global international body like World Bank/International Monetary Fund/ World health Organization etc., or any Indian State/Central Governments Departments or Public Sector Undertaking of India as per Annexure-X.

List of documents to be attached with the Pre-Qualification Bid (Packet-1)– Vendor please note the name of e-File corresponding to the Documents

Sno.	Pre-Qualification Bid e-Documents (PDF)	e-File :Named As
A	RAR File 1	
i.	GST No./ PAN /TIN	TIN/GST–Name of Firm/ Company
ii	Articles of Memorandum of Association or Partnership Deed or Proprietorship Deed.	MoA or Firm Deed
iii	Audited Balance Sheet during last three years	ABS-2017;ABS-2016 & ABS-2015
iv	Power of Attorney (In case of Signatory is other than Director of a Company or Proprietor / Partner of the Firm) as per Annexure XI	PoA
B	RAR File 2	
i	Proof of Experience of Works claimed. (PO / Work Order issued by the customer)	Experience PO-01 Experience PO-02 Experience PO-03
ii	Proof of completion (Completion Certificate issued by the customer) with complete details of works claimed.	CC-01, CC-02 & CC-03

iii	A letter of bidder having details of customer of works claimed for experience including postal address, official Phone Number, Email Address and URL (if any).	PO-Customer Details –
iv	List of client references with contact details including Email Ids.	Client List
C	RAR File 3	
i	Tender Specific OEM Authorization (MAFs).	MAF-(Name of OEM)
D	RAR File 4	
i	Integrity Pact as per as Annexure-IX	IP
ii	Letter for Un-conditional Acceptance of terms & conditions of tender as per as Annexure-I	Acceptance Letter
iii	Performa for Undertaking (Annexure –X)	Undertaking
iv	Details of the Vendor Firm/ Company: Format enclosed as Annexure-VIII of the tender document	Vendor Details
E	RAR File 5	
i	Any other eligibility related documents as per tender document.	Other Docs

3.3 Packet-3: - List of documents to be attached with the Technical Bid–

- 3.3.1 Qualified Support Staff List for Installation as per Annexure –III.
- 3.3.2 List of make & Models offered in the tender as per Annexure-IV.
- 3.3.3 Detailed required Bill of Material duly certified by vendor as per Annexure – IV A
- 3.3.4 Duly Filled Compliance Statement as per Annexure –VII with supporting documents/literature.
- 3.3.5 Supporting Documents/ Brochures/Literature in support of technical specifications should be clearly highlighted with specifications serial numbers as per Annexure –VII.
- 3.3.6 Digitally Signed Tender Document including Corrigendum's (if any)

Vendor please note the name of e-File corresponding to the Documents:

Sno.	Technical Bid e-Documents (PDF)	e-File :Named As
A	RAR File -1	
I	Qualified Support Staff List for Installation as per Annexure –III	Staff list
B	RAR File -2	
I	List of make & Models offered in the tender as per Annexure-IV.	Make-Model
II	Detailed Bill of Material duly certified by vendor as per Annexure IV (A)	BOM
C	RAR File -3	
I	Duly Filled Compliance Statement as per Annexure –VII with supporting documents/literature.	Compliance Statement
II	Supporting Documents/ Brochures/Literature in support of technical specifications should be clearly highlighted with specifications serial numbers as per Annexure – VIIB.	Support Docs
D	RAR File-4	

I	Digitally Signed Tender Document including Corrigendum's (if any)	Tender
II	Any other documents(if any)	Other

3.4 Packet 4: - Documents to be attached with the Financial Bid –

- 3.4.1 Financial Bid form (Excel File) to be filled as per BOQ/Format Given in Scheduled-B.
- 3.4.2 Details of Statutory Taxes as per Annexure XII
- 3.4.3 Submit their financial bids in the format provided with the bid document and no other format is acceptable.

4. COST OF BIDDING:

- 4.1 The Bidder shall bear all costs associated with the preparation and submission of the bid. The Buyer, will in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

B. THE TENDER DOCUMENTS:

5. TENDER DOCUMENTS

- 5.1 The required materials, bidding procedures and contract terms are prescribed in the Bid Documents. The Bid Documents include-

S.No.	Item	Description
I.	Section - I	(Notice Inviting Tender)
II.	Section - II	(Instructions to Bidders)
III.	Section - III	General Terms & Conditions of the Contract)
IV.	Section - IV	(Special Conditions of the Contract)
V.	Annexure -I	(Acceptance Letter)
VI.	Annexure -II	(Performance Bank Guarantee)
VII.	Annexure – IIA & II B	(Bank Guarantee format for EMD)
VIII.	Annexure –III	(Support Staff details)
IX.	Annexure -IV	(List of Make & Model offered)
X.	Annexure- IV A	(Detailed Bill of Material)
XI.	Annexure –V	(Format for intimation of force Majeure)
XII.	Annexure –VI	(Application for extension of time)
XIII.	Annexure –VII	(SoW, Specification & Compliance to the specifications)
XIV.	Annexure- VIII	(Details of Vendor Firm)
XV.	Annexure – IX	(Integrity Pact Program)
XVI.	Annexure – X	(Proforma for Undertaking)
XVII.	Annexure-XI	(Power of Attorney)
XVIII.	Annexure – XII	Details of Statutory Taxes
XIX.	Schedule A	(Addendum to the Tender document)
XX.	Schedule-B	(Price Schedule)

- 5.2 **The Bidder is expected to examine all instructions, forms, terms and specifications in the Bid Documents. Failure to furnish all information required as per the Bid Documents or submission of bids not substantially responsive to the Bid Documents in every respect will be at the bidder's risk and shall result in rejection of the bid.**

6. Clarifications of Tender Documents:

- 6.1 A bidder may request clarification regarding the Tender document by submitting their clarification requests to AAI on e-procurement portal only as per below format:

Name of the Bidder						
Sl. No.	Document	Section No.	Clause No.	Page No.	Existing Clause	Clarification Sought

- 6.2 The AAI shall respond to Clarification Request till the Date of Response queries as specified in the schedule as indicated in Table 1 of this document, unless the Date is extended by AAI. Any request received through any other means, except e-procurement port shall not be entertained.
- 6.3 AAI shall not entertain any post-closing date clarifications or confirmation of compliance
- 6.4 Response to Clarification requests shall be uploaded at CPP e-procurement portal through corrigendum/amendments/addendum.

7. AMENDMENTS TO BID DOCUMENTS

- 7.1 At any time, prior to the date of submission of bids, the Buyer may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bid documents by amendments.
- 7.2 The amendments shall be communicated to all prospective bidders as corrigendum/addendum/clarifications on the e-procurement portal and these amendments will be binding on them. All vendors should visit the CPP portal on regular basis.
- 7.3 These corrigendum/addendum/clarifications shall be considered part of the Tender package.

C. PREPARATION OF BIDS :**8. DOCUMENTS COMPRISING THE BID :**

- 8.1 Bidder should take into account corrigendum/s (if any) published on the tender document for preparation of bid.
- 8.2 The bid prepared by the bidder shall be in four packets to be submitted as per **Para D** of this Section. Each packet to contain the following documents respectively:

8.2.1 Tender Fee & EMD (Packet-1): for provision of "Name of the work as given in Schedule-A Sl. No. 1" consisting of the following documents.

8.2.1.1 Tender Fee & EMD in accordance with clause 3 of section-II.

8.2.2 Pre-Qualification Bid (Packet-2): for provision of "Name of the work as given in Schedule-A Sl. No. 1" consisting of the following documents.

8.2.2.1 All the relevant documents as asked for Pre-Qualification Bid of the tender. in accordance with clause 3 of section-II.

8.3 Technical Bid (Packet-3): for provision of "Name of the work as given in Schedule-A Sl. No. 1" consisting of the following documents.

- 8.3.1 All the relevant documents as asked for technical bid of the tender in accordance with clause 4 of section-II
- 8.3.2 Documentary evidence established in accordance with Clause 11 of this section that the bidder is eligible to bid and is qualified to perform the contract if his bid is accepted.
- 8.3.3 Compliance Statement as per Clause 11.1.2 of this section.

8.4 Financial Bid (Packet-4): for provision of "Name of the work as given in Schedule-A Sl. No. 1" consisting of the following documents and filled online as per clause 9.

- 8.4.1 Financial Bid Form (**Excel File**) to be filled as per BoQ/ format given in Schedule - B.
- 8.4.2 Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 8.4.3 The bidder shall quote the rates in English language and international numerals.
- 8.4.4 Only One Financial Bid shall be submitted by the bidder.

9. BID PRICES :

9.1 The bidder shall fill the price schedule as follows:

- 9.1.1 The bidder shall download the BOQ file (.xls file) and shall upload the duly filled file with the financial bid. It may be noted that only duly submitted bids shall be evaluated and bids just saved but not submitted the Financial Bid shall not be part of the evaluation process.
- 9.1.2 The price bid of the tender document is for pricing only. Conditional price bid shall be liable to rejection. Price quoted shall be firm and fixed and subject to no escalation, whatsoever, till the validity period of the tender, including extension if any.
- 9.1.3 The bidder shall include GST and any other Tax etc., in the Unit Rate on on-line Financial Bid Form. Rate of current prevailing GST on applicable items shall be given in separate sheet (As per Annexure-XII) with Financial Bid.
- 9.1.4 The Unit rate shall be inclusive of packing & forwarding charges if any.
- 9.1.5 The Unit Rate (Inclusive of all taxes and charges) shall be used for calculating the total amount in the Financial Bid.
- 9.1.6 In the event of any ambiguity, the Unit Rate given in the Financial Bid shall be taken as the correct basis for calculating all other data. In the event of any Errors or Ambiguity in Unit Rates itself the Financial Bid of the bidder shall be rejected.
- 9.1.7 The prices quoted by the bidder shall remain firm on the date of submission of the Bid and shall not be subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

- 9.1.8 AAI will have no liability or benefit from any exchange rate fluctuations. The vendor shall bear all liability or receive all benefit from such fluctuations.
- 9.1.9 **The rates of statutory taxes shall be uploaded on to the e-procurement portal along with the financial bid or otherwise no claim will be entertained to wards, decrease or increase in statutory taxes.**
- 9.2 The bidder shall quote only one price for each item of same specification against the nomenclature shown in Financial Bid.
- 9.3 The bidder shall quote as per price schedule given in Financial Bid for all the items as per specifications in Annexure – VII.
- 9.4 Each Bidder should submit only one product for each item. Offering products of more than one brand or multiple models of the same brand against one item shall make the technical / financial bid of the vendor invalid and such offers shall be rejected at technical / financial stage wherever such defaults are noticed.
- 9.5 Post offer discount, if any, offered by the bidders shall not be considered. Bidders' planning to offer discount shall therefore modify their offers suitably while quoting and shall quote clearly net price taking into account discount, free supply etc. However, such discounts from the firm declared as L1 on the basis of post bid negotiations if any shall be considered and such negotiated offers when agreed by AAI & the bidder shall form a part of the financial Bid.
- 9.6 **Price bid file or any other document containing financial terms/prices shall not be submitted in any other packet other than financial bid packet of the e-procurement portal or in hard copy to AAI in any case.**

10. DOCUMENTS ESTABLISHING ITEMS CONFORMITY TO BID DOCUMENTS:

- 10.1 Pursuant to **Clause 8**, the bidder shall furnish, as part of his bid, documents establishing the conformity of his bid to the Bid document of all Items and services, which he proposes to supply under the Contract. Submission shall be as follows:
- 10.1.1 The documentary evidence of the Items and services in conformity to the Bid Documents shall be in the form of literature, drawings and data that the Bidder shall furnish. These shall be attached as Annexure to the Compliance Statement as per **Clause 10.1.2 below**.
- 10.1.2 Compliance Statement in Annexure-VII shall be in the format given below. Compliance Statement shall be one of the **two statements viz. "Complied or "Not complied"**. No other remark or comment will be accepted.

Sl .No.	Specification Ref	(Complied/Not Complied)

- 10.1.3 Bidder must attach required technical brochures/literatures/data sheets for all the products asked in the tender to ensure that compliance to all the specifications given in the tender document can be verified. Non-availability of specifications (as mentioned in the tender document) in the

brochure/literature will be treated as non-compliance and no clarifications shall be asked in this regard. If bidder fails to submit the required brochures/literatures along with the tender document, it shall be treated as non-compliance and may lead to outright rejection of bid submitted by bidder.

- 10.1.4 Each specifications sought shall be marked or highlighted in the attached brochures / literatures / data sheets. The brochures / literatures / data sheets shall be superscripted with the Item Number and shall be arranged sequentially. The supporting documents shall carry all the required specifications and same shall be marked.
- 10.1.5 The compliance statement submitted as per clause 10.1.2 shall be duly supported by technical literature, equipment brochures & other related reports / documents from the OEM. The compliance statement not supported by the documentary evidence shall not be considered. Such bids shall be considered as non-responsive and may result in rejection on technical grounds.
- 10.1.6 The products offered by the bidder shall be supported and a letter from the prospective supplier in writing that the product offered is available in the market and will be supplied without any change in specifications & model during the currency of the contract shall be required.
- 10.1.7 AAI may ask manufacturer of the product offered for the verification of specification and other documents.
- 10.1.8 The product/configuration offered by the bidder must be standard and proven already available in the market. Bidder shall submit a list of clients/locations where similar product/configuration is available. AAI, if so desire, may visit these locations to verify that all the specifications and operational requirements are met as mentioned in the tender document. Any non-compliance observed during such visits shall lead to rejection of bid.

11. PERIOD OF VALIDITY OF TENDER (BID)

- 11.1 The offered Bid shall remain valid for a minimum of **180** days from the date of opening of the technical bid. The bidder shall not be entitled, to revoke or cancel the offer or to vary any term thereof, during the said period of validity without the consent in writing of AAI. In case of the bidder revoking or canceling the offer or varying any term in regard thereof, the bidder's earnest money deposit shall be forfeited.
- 11.2 If there is any delay in finalization due to unforeseen factors, all the bidders shall be asked to extend the validity for an appropriate period, specifying a date by which tender is expected to be finalized. However, the tender process shall not be vitiated if any tenderer declines to extend the offer as requested for.

12. FORMATS AND SIGNING OF BID :

- 12.1 The e-Bid shall be digitally signed by the bidder at e-procurement portal duly authorized to bind the bidder to the contract. Written power-of-attorney accompanying the bid shall indicate the letter of authorization. The person or persons signing the e-bid shall sign the bid, except for printed literature. The e-bid submitted shall be in properly in readable form and encrypted as per e-tendering portal requirements. Standard Printed terms and conditions of the company other than the NIT conditions shall not be considered.

D. SUBMISSION OF BID DOCUMENTS :

13. SEALING AND MARKING OF BIDS :

13.1 The bidders shall digitally sign their bid and upload the bid on line at CPPP (e-procurement portal) only.

13.2 If all the documents are not digitally signed & encrypted, the buyer shall not accept such open bids for evaluation purpose and treated as non-responsive. Such bid shall be liable to be rejected.

13.3 The e-procurement portal shall not allow the submission of bid without digital signature.

14. SUBMISSION OF BIDS :

14.1 The buyer shall receive the bids on line through e-procurement portal only not later than that the schedule date specified in the NIT. Bidder should submit the bid well in advance to avoid any last minute issue in submission of bids. The e-procurement portal shall not allow bidder to submit their Tender after the scheduled Closing date and time.

14.2 The Buyer may, at its discretion extend this deadline for the submission of the bids by amending the bid documents in accordance with Clause 7 in which case all rights and obligations of the Buyer and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

14.3 The bidder shall submit his bid offer on line at e-procurement portal only. Digitally signed tender document downloaded from e-procurement portal shall be considered. No separate documents shall be valid. Only relevant attachments, if any other than the tender document, shall be listed out for reference.

14.4 Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and date & time of submission of the bid with all relevant details. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid.

15. LATE BIDS :

15.1 E-procurement portal system shall not permit uploading of bids after the scheduled date & time of submission.

16. CORRECTIONS / MODIFICATIONS AND WITHDRAWAL OF BIDS :

16.1 The bidder may correct, modify his digitally signed bid after submission prior to the deadline, through provisions of e-procurement portal.

16.2 Subject to Clause 16 of this section, no bid shall be modified subsequent to the deadline for submission of bids.

E BID OPENING AND EVALUATION:

17. OPENING OF BIDS :

17.1 **Tender Fee, Pre-Qualification and Technical Bid (Packet-1, Packet-2, Packet-3):**

17.1.1 The Buyer shall open Bids on line through e-procurement portal as per schedule or as per intimation of Bid Opening Date & Time to bidders. Bid opening shall be two times. First time, Three Packets

(Packet-1, Packet-2 & Packet-3) shall be opened simultaneously and documents may be downloaded for all three packets and Second time, only financial bid shall be opened. Bidders or his authorized representatives who choose to attend on the opening date and time may do so if desired. The bidder shall submit authority letter to this effect before they are allowed to participate in bid opening.

17.1.2 Representative whose bid is not submitted / rejected cannot attend the tender opening.

17.2 **Financial Bid (Packet-4):** Financial bids shall be opened for technically qualified bidders only as per schedule or as per intimation of bid opening date & time to bidders. Time and date of opening shall be notified through system generated email.

17.3 **Online Reverse Auction Process :** After opening of the Financial Bids of the Bidders, a reverse auction shall be carried out among the technical qualified bidders based on the lowest price offered in the financial bid or as decided by AAI.(in case of Reverse Auction Process).

17.3.1 The details of Reverse auction process is available at clause 29 of this section.

17.3.2 Vendor shall offer the total price in reverse auction inclusive of all taxes or as per instruction given at the time of reverse auction.

17.3.3 Maximum of two well-informed representatives of each eligible bidder shall only be allowed to attend the opening of the bids. Representative whose bid is not submitted or rejected due to any reason at any stage, cannot attend the tender opening.

18. CLARIFICATION / CONFIRMATION OF COMPLIANCE OF BIDS

18.1 The general eligibility criteria shall be evaluated during preliminary stage and the vendors who have not submitted requisite documents shall be asked through CPP e-procurement portal or by email to substantiate their claims with documentary evidence before a given date failing which their bids shall not be considered further for detailed evaluation.

18.2 There is only one-time provision to ask shortfall documents through CPP e-procurement portal. Bidders are responsible to submit the all requisite shortfall documents in the given only chance, till the stipulated time. No extension in deadline for submitting shortfall documents has been provisioned in CPP e-procurement portal.

18.3 It may be noted that enquires / clarifications shall be responded only through CPP e-procurement Portal. All such queries shall be entertained which are received on or before last date/time for submission of queries. AAI response will be uploaded through e-procurement portal. Written responses, through email, verbal, telephonic enquiry or enquiry received after last date of submission of queries shall not be entertained during or post tender process.

19. EVALUATIONS AND COMPARISON OF SUBSTANTIALLY RESPONSIVE BIDS:

19.1 Pre-qualification and Technical Bid Evaluation:

19.1.1 The Pre-qualification and Technical criteria shall be evaluated after opening of bids. Clarifications if any shall be asked from bidders as per para 18.1, 18.2. Bids meeting Pre-qualification and Technical criteria shall only be considered for financial bid opening.

19.1.2 The Technical requirements shall be verified against the manuals / technical literature submitted by the vendors. The vendors may be asked to substantiate their compliance submitted in the tender

by suitable documentation from OEM wherever the same is lacking. The Technical evaluators on their own may download the information from the websites of the OEM(s) to verify the claims of the vendors. The technical Bids of the vendors who fail to substantiate their claim on meeting the technical requirements even after the above process shall be rejected.

19.1.3 AAI may seek performance report on a vendor for other clients whose references are given in the tender. An adverse report from a client shall make the vendor technically unfit leading to his rejection. The process of seeking performance report shall be kept confidential so that the vendor is not able to influence the process.

19.1.4 **At no cost to AAI, as a part of Technical Evaluation, the bidder participating in this tender may be required to demonstrate (any or all) operational and technical requirements or specifications, at a location considered fit by the AAI.**

19.1.5 A short-list of bidders qualifying technically shall be drawn and thereafter these short-listed bids shall be treated at par for the purpose of financial comparison.

19.2 Financial Bid Evaluation:

19.2.1 Financial Bids of those vendors who qualify technically shall be opened electronically at CPP e-procurement portal on-line. Time and date of opening shall be notified through system generated email. The bidder shall issue authority letters to their representatives to attend the opening of financial bids if desired to be present at AAI premise.

19.2.2 **Online Reverse Auction:** in case Online Reverse auction is decided to carry out then the same shall be carried out after opening of the financial bid as per the clause 29 of section- II. Base price for Reverse auction shall be put same as L-1 price offered in financial bid or justified cost as decided by AAI. L1 bidder shall be decided on the basis of final offer obtained through Reverse Auction process.

19.2.3 Status of bidders L1, L2, L3 shall be based on the total price arrived after reverse auction.

19.2.4 The Bidder's names, Bid prices, modifications, bid withdrawals and such other details as the Buyer, at its discretion, may consider appropriate; will be announced at the opening.

20. CONTACTING THE BUYER :

20.1 Canvassing in any form in connection with the tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing are liable for rejection. Such rejected tenders will not be returned.

20.2 No bidder shall try to influence directly or through external source, the Buyer on any matter relating to its bid, from the time of publication of NIT till the time the contract is awarded.

20.3 Any effort by a bidder to influence the Buyer in the bid evaluation, bid comparison or contract award decisions shall result in the rejection of the bid, and such actions will be considered as bad performance for future Projects.

21. AWARD OF CONTRACT :

21.1 The acceptance of the tender will be intimated to the successful bidder by AAI, either by fax or by letter, e-portal.

21.2 AAI shall be the sole judge in the matter of award of contract and decision of AAI shall be final and binding.

22. RIGHT TO ACCEPT OR REJECT THE TENDERS :

- 22.1 The right to accept the tender in full or in part/parts will rest with AAI. However, AAI does not bind itself to accept the lowest tender and reserves to it-self the authority to reject any or all the tenders received without assigning any reason whatsoever.
- 22.2 Tenders not accompanied with prescribed information or are incomplete in any respect, and/or not meeting prescribed conditions, shall be considered non-responsive and are liable to be rejected.
- 22.3 The Buyer reserves the right to accept or reject any bid or a part of the bid or to annul the bidding process and reject all bids, at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds for the Buyer's action.
- 22.4 Pursuant to Clause 21.3 the documentation submitted by bidder shall not be returned unless the bidder explicitly states this request at the time of submission of the tender. AAI also reserves the right at its sole discretion not to award any order under the tender called. AAI shall not pay any costs incurred in the preparation and submission of any tender.
- 22.5 If the bidder gives wrong information in his Tender, AAI reserves the right to reject such tender at any stage or to cancel the contract, if awarded, and forfeit the Earnest Money.
- 22.6 **Tenders that are not accompanied with Earnest Money Deposit (EMD) shall be rejected outright.**
- 22.7 Should a bidder have a relation or relations employed in AAI in the capacity of an officer or the authority inviting tender, the same shall be informed by the bidder. In the event of failure to inform and in a situation where it is established that the relation or relations employed in AAI has / have tried to influence the tender proceedings then AAI at its sole discretion may reject the tender or cancel the contract and forfeit the Earnest Money.
- 22.8 The requirements indicated in this NIT are the minimum and bids of the firms not complying with these minimum requirements or having deviations equivalents to the minimum requirements shall be rejected. However, higher than the minimum requirements shall be technically acceptable without any additional financial implication.
- 22.9 Any correspondence after the opening of the technical bid, from the bidder, regarding the bid unless specifically sought by AAI shall not be considered. Such post bid offers / clarifications may be liable for action as per clause 20 above.

23. ISSUE OF WORKS ORDER :

- 23.1 The acceptance of the tender will be intimated to the successful bidder by AAI, either by fax or by letter, e-portal.
- 23.2 The issue of a Works Order / Purchase Order shall constitute the intention of Buyer to enter into the contract with the bidder.
- 23.3 Acceptance of the Works order / Purchase Order will be deemed as effective from the date of issue of Works Order / Purchase Order. All formalities of submission of the Contract Performance Bank Guarantee in pursuant to clause 6 of section-III of NIT in the format attached Annexure II and signing of the contract shall be completed within 15 days of the Work Order.

- 23.4 AAI shall be the sole judge in the matter of award of contract and decision of AAI shall be final and binding.

24. SIGNING OF CONTRACT :

- 24.1 The issue of Works Order / Purchase Order shall constitute the award of contract on the bidder. The signing of the Contract shall be completed within 15 days of the acceptance of the Works Order / Purchase Order.

25. ANNULMENT OF AWARD:

- 25.1 Failure of the successful bidder to comply with the requirement of Clause 23 shall constitute sufficient ground for the annulment of the award and forfeiture of the EMD in which event the Buyer may make the award to any other bidder at his discretion or call for new bids.

26. QUALITY ASSURANCE REQUIREMENTS :

- 26.1 The supplier shall submit copies of Valid Certificates to ensure that all works comply with standards specified in the QRs.

27. TRANSFER OF TENDER DOCUMENT :

- 27.1 Transfer of Tender Documents by one bidder to another is not permissible. Similarly transfer of tenders submitted by one bidder in the name of another vendor is not permissible.

28. CONTRACT MONITORING :

- 28.1 The buyer shall hold regular contract monitoring meetings after the award of the contract to monitor the performance of the contract.
- 28.2 First such meeting shall be hold within one week of award of the contract. The date and time of such meeting shall be intimated to the contractor / supplier by fax. / post. The date and time of subsequent meetings shall be decided and recorded in previous meetings.
- 28.3 The proceedings of each meeting shall be recorded and action as required towards successful completion of the project shall be initiated promptly by both AAI and the contractor. Project review meetings shall be with reference to mile stones and contract performance analysis.
- 28.4 Buyer shall communicate the readiness of the site(s) as per format as & when the buyer is ready with the installation plans.

29. ONLINE REVERSE AUCTION:

- 29.1 This e-tender shall be decided on the basis of online Reverse Auction after opening of financial bid
- 29.2 Base price for Reverse Auction shall be the Estimated Price or L-1 price received in the financial bid opening or as decided by AAI. The auction will be open for the bidders on specified date & time. During this period the Bidders are allowed to reduce the prices as many times as they desire.

- 29.3 Bidders are advised to prepare well in advance regarding maximum reduction they can offer on their proposal keeping in view the limited time allowed for reverse auction.
- 29.4 Bidders whose technical bids are accepted and are eligible for opening of the financial bids shall only be allowed to participate in Online Reverse Auction.
- 29.5 The due date and time of conduct of Reverse Auction and price bid opening shall be intimated in advance to the bidders, through e-procurement portal.
- 29.6 After selection of L1 bidder (if L1 price is received through Reverse Auction), itemized cost for the successful bidder shall be calculated by the system by reducing the tendered items cost (quoted price as per Schedule-B) on pro-rata basis. For this purpose, reduction in the overall price from reverse auction is applied on pro-rata basis to each item of Schedule –B and accordingly purchase order / contract shall be awarded. The EMD of bidder who fails to adhere to the Auction price shall be forfeited and the vendor shall be Black listed.
- 29.7 Bidders shall be informed later regarding Reverse Auction and they may contact Helpdesk for the guidance on RA process.
- 29.8 If required, AAI may arrange training to all eligible bidders on request on the Online Reverse Auction process prior to conduct of Online Reverse Auction.
- 29.9 Bidders shall confirm process of Reverse Auctioning after getting invitation of process. If any change in the process, or bidders desire so, a training on the process shall be given in AAI premises New Delhi.
- 29.10 Reverse Auction may be conducted online with vendors from their own offices. However, necessary facilities / arrangements may be provided in AAI premises in Case of such requests by the vendors or for training purposes.

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SECTION - III

GENERAL TERMS & CONDITIONS OF THE CONTRACT

1. Purpose & Scope

- 1.1 This document sets out the terms & conditions to be met in connection with the provision of **"Name of the work as given in Schedule-A Sr. No. 1"** to AAI for the work as per details given in the notice inviting Tender with specifications in Annexure-VII & VIIA.
- 1.2 This tender document includes details like quantity, delivery, installation, commissioning (including Operating system & other software for the items as tendered for) & support services for maintenance, etc.
- 1.3 The hardware & software supplied against this tender must include all the modules, sub modules and items required for installation, smooth performance and crash recovery of the software such as installation kit, CDs, Software Manuals, hardware sub-systems etc.

2. Compliance:

- 2.1 The unconditional acceptance of all the terms & conditions of the NIT has to be submitted through a letter. The format of the letter is attached at Annexure-I.
- 2.2 The submission of the tender will imply acceptance of all the tender condition by the bidder laid in tender document including all the Annexure(s) & schedules to the tender document.
- 2.3 The compliance to the terms & conditions should be supported by authenticated documentation wherever required.
- 2.4 Each page of the Bid and cuttings / corrections shall be duly signed with stamp by the bidder. (Not applicable for E-Tender)
- 2.5 The submission of **unconditional** acceptance of the terms & conditions of the NIT, as described above is essential for the tender evaluation. The failure to submit the unconditional acceptance statement in the said format shall result in his tender being rejected.

3. Language and Currency :

- 3.1 The bidder shall quote the rates in English language and international numerals. The rates shall be in whole numbers. The rates shall be written in both figures as well as in words.. In case of disparity in figures & words, the rate in words will be considered. In the event of the order being awarded, the language of all services, manuals, instructions, technical documentation etc. provided for under this contract will be English. The bidders should quote only in Indian Rupees and the bids in currencies other than Indian rupees shall not be accepted.

4. Standard Conditions.

- 4.1 Standard printed conditions of the bidder to the offer, other than the conditions specified here, will not be acceptable.
- 4.2 For the purpose of the tender, the metric system of units shall be used.

- 4.3 All entries in the tender shall either be typed or be in ink. Erasures shall render such tenders liable to summarily rejection. The bidder shall duly attest all corrections, cancellation and insertions.
- 4.4 Bidder's offers shall be with reference to section and clause numbers given in the tender schedules.

5. Earnest Money:

- 5.1 The Earnest Money Deposit (EMD) of amount of Rs. (a) (As Specified in Schedule-A Sr. No. 3(a)) (Rupees (b)(As Specified in Schedule-A Sr. No. 3(b))) shall be submitted. EMD Amount shall be remitted Offline through DD or Bank Guarantee as specified in para 2.1.2 of Section-II. Scanned copy of DD/BG should be submitted in packet-1. The EMD in original in a sealed envelope should be posted/couriered or in person to the concerned official, so as to reach latest by the last date and time of the bid submission.
- 5.2 The EMD of bidder who are not qualified in initial eligibility qualification or Technical qualification, EMD shall be refunded after Prequalification/Technical evaluation.
- 5.3 The EMD of the bidder other than the lowest bid shall be discharged / returned promptly, after evaluation of financial bids.
- 5.4 The EMD of the successful bidder will be returned after the bidder provides the performance guarantee, as required in para 6 of this section of the tender document.
- 5.5 The EMD amount shall be forfeited in the following events:
 - 5.5.1 If the successful bidder fails to enter into a contract with AAI within 15 calendar days after the receipt of the purchase order / work order as specified under clause 23 of section-II.
 - 5.5.2 If the successful bidder fails to submit the performance guarantee as stipulated in para 6 of this section within 30 calendar days after the receipt of the purchase order / work order.
 - 5.5.3 In the event of not accepting the conditions of the contract even after agreeing to do so and submitting the letter of un-conditional acceptance of terms as per letter in Annexure-I.
- 5.6 No interest or any other expenses, whatsoever, shall be payable by AAI on the EMD in any manner. The Contractor shall pay all banking or conversion charges (and any other expenses incurred in this regard).
- 5.7 If a bidder withdraws from the Tender process for any reason deemed unsatisfactory in the sole opinion of the AAI, their EMD will be encashed and forfeited.
- 5.8 Should the AAI cancel this Tender process, AAI will return the EMD of all bidders for whom the EMD was not already forfeited and encashed without any interest.

6. Performance bank Guarantee.

- 6.1 The successful bidder shall submit Contract performance guarantee (in lieu of Contract Performance security) of the value equivalent to 10% (ten percent) of the total price, to AAI in the form of an irrevocable and unconditional bank guarantee on scheduled commercial bank as per Performa attached as Annexure-II. The guarantee shall be submitted within **30** calendar days of the issue of letter of acceptance of his bid, and will be valid till 90 days after the duration of Guarantee/Warranty. In case

successful bidder fails to submit the PBG within stipulated period, interest @ 12% p.a. on performance Guarantee amount would be levied (non-refundable) for delayed period of submission and shall be deducted from EMD or First running Bill. In case, successful bidder fails to submit performance bank guarantee within 60 days, AAI reserve the right to forfeit EMD and cancel the order.

- 6.2 The performance guarantee amount shall be payable to AAI without any condition whatsoever and the guarantee shall be irrevocable.
- 6.3 The performance guarantee shall be deemed to govern the following guarantees from the successful bidder, in addition to other provisions of the guarantee:
 - 6.3.1 The Hardware / Software supplied under the contract shall be free from all defects / bugs and upon written notice from AAI, the successful bidder shall fully remedy , free of expenses to AAI , all such defects / bug as developed under the normal use of the said hardware / software within the period of guarantee/Warranty.
 - 6.3.2 The performance guarantee is intended to secure the performance of the entire system. However, it is not to be construed as limiting the damages stipulated in any other clause.
- 6.4 The performance guarantee will be returned to the successful bidder at the end of the period of liability without interest.
- 6.5 The bidder as per operation, installation, maintenance manuals and performance guarantee tests supplied by the successful bidder, will do the loading, installation & commissioning of systems. The successful bidder will be fully responsible for the guaranteed performance of the supplied systems and warranty obligations. In case of any problem after commissioning and during guarantee period the successful bidder will depute his supervisor(s) to AAI's site within 24 hours of intimation to remove all defects at contractor's cost.
- 6.6 A fine of an agreed amount calculated @ 1/2% of the total value of the faulty equipment per week or part thereof subject to a maximum value equal to the value of the Performance Bank Guarantee can be imposed in case of delay in rectification of the problem in 72 hours. The acceptance of valid reasons for non-compliance to 6.5 above shall rest with ED (IT) and his decision with regard to imposition of the fine shall be final. The fine shall be recovered from the Bank Guarantee.

7. Correspondence:

- 7.1 All correspondence would be directly with the bidder and correspondence through agents will not be entertained.

8. Testing and Inspection :

- 8.1 The testing and inspection of the equipment / components procured shall be carried out in two stages as follows.

8.1.1 Factory Inspection / Acceptance Testing:

8.1.1.1 The Buyer or his representative shall have the right to conduct pre-dispatch inspection of the Hardware and Accessories including the software for their conformity to the specifications. Where the Buyer decides to conduct such tests on the premises of the Original Equipment Manufacturer (OEM) or Supplier of the OEM or its subcontractor(s), all reasonable

facilities and assistance like Testing Instruments and other test gadgets including access to drawings and production data shall be furnished to the inspectors at no charge to the Buyer. The schedule & procedure of testing shall be intimated to the bidder after the placement of the Work order / purchase order. The successfully inspected / accepted items shall be sealed in the presence of the Inspectors and signed by the inspectors accordingly.

8.1.1.2 If any inspected or tested Items fail to conform to the Specifications the Buyer may reject them and the Contractor shall either replace the rejected Items or make all alterations necessary to meet Specification requirements free of cost to the Buyer.

8.1.2 Post receipt / pre-installation testing :

8.1.2.1 Notwithstanding the pre-supply tests and inspections prescribed in clause 8.1.1.1 & 8.1.1.2 above, the Items on receipt in the Buyer 's premises will also be tested after receipt and if found defective, or the seal found to be tampered these items shall be replaced free of cost to the Buyer as laid down in clause 8.3 below

8.1.3 Post installation Acceptance testing / Inspection:

8.1.3.1 This testing / inspection shall be performed after the completion of installation of the parts. The inspectors shall verify the component level details during this testing and shall sign the installation report after successful completion of the post installation testing. Defects / shortcomings brought out in this testing shall have to be attended as per the contract within the permitted time schedule.

8.1.3.2 The post-installation acceptance testing/ inspection shall prove that the procured systems meet all system requirements as per specifications specified in the tender document. The vendor shall provide all necessary test equipment, tools and instruments for the acceptance testing. Installation shall be termed as completed after successful completion of SAT/post-installation acceptance testing and resolution of all defects/bug.

8.2 If any Item or any part thereof, before it is taken over under above testing/inspection clauses, is found defective or fails to fulfill the requirements of the contract, the consignee shall give the Contractor notice setting forth details of such defects or failure. The Contractor shall make the defective material good, or alter the same to make it comply with the requirements of the contract forthwith and in any case within a period not exceeding one month of the initial report. The replacements by the Contractor shall be made free of all charges at site. Should he fail to do so within this time, the Buyer reserves the discretion to reject and replace at the cost of the Contractor the whole or any portion of the items as the case may be, and that is defective or fails to fulfill the requirements of the contract. The cost of any such replacement made by the Buyer shall be deducted from the amount payable to the Supplier

8.3 The testing & inspection as per above clauses in any way does not relieve the Contractor from any Warranty or other obligations under this contract.

8.4 Acceptance test procedure & Programme for all the items shall be discussed and finalized after the award of the work in a joint meeting.

9. Extension of Time :

9.1 This work is urgent and hence the completion period as per contract shall be adhered to strictly. However, in-case of extraordinary situations which may delay the completion of the project, the contractor shall apply for extension in time as per format contained in Annexure-VI.

- 9.2 AAI at its sole discretion may extend the time period for completion of the work without any prejudice to operate the penalty clauses provided for in the Tender Document. Such extension of time and the circumstances leading to the extension of time shall be communicated in writing to the contractor.

10. Compensation for Delay :

- 10.1 Time is the essence of the Contract.
- 10.2 If the successful bidder fails to complete the supply / work within time fixed under the contract, he shall pay to the AAI without prejudice to any other rights or remedy as may be available to the purchaser, an agreed compensation amount calculated @ $\frac{1}{2}$ % of the total value of the uncompleted portion of the work per week or part thereof subject to a maximum value equal to the value of the Performance Bank Guarantee.
- 10.3 The amount of compensation for delay and waiver of compensation for delay in case of justified reasons shall be decided at the discretion of Accepting Authority and the same shall be final and binding on the contractor. Time taken by AAI and local statutory authorities for approval of drawings, design, estimate etc, force majeure reasons and any other reasons beyond control of the contractor shall be considered as justified reasons. The amount of compensation may be adjusted or set off against any sum payable to the contractor under this or any other contract with AAI.
- 10.4 Appeal for waiver of compensation for delay with due justification shall be decided as per the provisions of clause 7.4 of the Delegation of Powers (DOP) of Airports Authority of India. The decision of the competent authority on appeal shall be final and binding on the contractor.
- 10.5 Each site will be treated independently for calculating compensation. The delay applicable in the project shall also be site specific. The contract value shall be calculated separately for each site for this purpose.

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12. Force Majeure :

- 12.1 AAI may grant an extension of time limit set for the completion of the work / repair in case the timely completion of the work is delayed by force majeure beyond the contractors control, subject to what is stated in the following sub paragraphs and to the procedures detailed therein being followed. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, flood, storms etc), acts of states, the direct and indirect consequences of wars (declared or un-declared), hostilities, national emergencies, civil commotion and strikes (only those which exceed a duration of ten continuous days) at successful Bidder's factory. The successful bidder's right to an extension of the time limit for completion of the work in above-mentioned cases is subject to the following procedures.
- 12.2 That within 10 days after the occurrence of a case of force Majeure but before the expiry of the stipulated date of completion, the bidder informs the AAI in writing about the occurrence of Force Majeure Condition (as per Annexure-V to the tender document) and that the Bidder considers himself entitled to an extension of the time limit. The contractor shall submit the application for extension of time as attached in Annexure-VI.
- 12.3 That the contractor produces evidence of the date of occurrence and the duration of the force majeure in an adequate manner by means of documents drawn up by responsible authorities.

- 12.4 That the contractor proves that the said conditions have actually been interfered with the carrying out of the contract.
- 12.5 That the contractor proves that the delay occurred is not due to his own action or lack of action.
- 12.6 Apart from the extension of the time limit, force majeure does not entitle the successful bidder to any relaxation or to any compensation of damage or loss suffered.

13. Patents, Successful bidder's Liability & Compliance of Regulations

- 13.1 Successful bidder shall protect and fully indemnify the AAI from any claims for infringement of patents, copyright, trademark, license violation or the like.
- 13.2 Successful bidder shall also protect and fully indemnify the AAI from any claims from successful bidder's workmen/employees, their heirs, dependents, representatives etc or from any person(s) or bodies/ companies etc. for any act of commission or omission while executing the order.
- 13.3 Successful bidder shall be responsible for compliance with all requirements under the laws and shall protect and indemnify completely the AAI from any claims/penalties arising out of any infringements and indemnify completely the AAI from any claims/penalties arising out of any infringements.

14. Settlement of Disputes :

- 14.1 If a dispute of any kind whatsoever arises between the AAI and the Contractor in connection with, or arising out of the Contract or the execution of the works, whether during the execution of the Works or after their completion and whether before or after repudiation or after termination of the contract, including any disagreement by either party with any action, inaction, opinion, instruction, determination, certificate or valuation of the Project Manager or his nominee, the matter in dispute shall, in first place be referred to the ED (IT), AAI. He shall activate the dispute resolution mechanism to resolve the dispute in question. Any party may invoke arbitration clause, if dispute in question is not settled by the Dispute resolution mechanism
- 14.2 Unless the Contract has already been repudiated or terminated or frustrated the Contractor shall in every case, continue to proceed with the works with all due diligence and the Contractor and AAI shall give effect forthwith to every decision of the Project Manager or his nominee unless and until the same shall be revised, as hereinafter provided, by the Dispute Resolution Mechanism or in an Arbitral Award.

15. Arbitration and Law :

- 15.1 Except where otherwise provided for in the contract, all questions and disputes relating to the provisions of this contract shall be settled under the Rules of Indian Arbitration and Conciliation Act, 1996 as amended by the Arbitration and Conciliation (Amendment) Act, 2015, within thirty (30) days (or such longer period as may be mutually agreed upon from the date that either party notifies in writing that such dispute or disagreement exists. The single Arbitrator for settlement of any dispute with regard to this contract shall be appointed by the Chairman AAI. The venue of Arbitration shall be New Delhi, India. The arbitration resolution shall be final and binding upon the parties and judgment may be entered thereon, upon the application of either party, by any court having jurisdiction.
- 15.2 The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 as amended by the Arbitration and Conciliation (Amendment) Act, 2015 or any statutory modification or re-enactment' thereof and rules made there under and for the time being in force shall apply to the arbitration proceeding".

15.3 Indian laws shall govern this contract.

16. TERMINATION FOR DEFAULT & RISK PURCHASE :

16.1 The AAI may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the Contractor, terminate this Contract in whole or in part in any or the following events.

16.1.1 If the Contractor fails to deliver any or all of the Items within the time period(s) specified in the Contract or any extension thereof granted by the AAI pursuant to Clause 9 of Section - III.

16.1.2 If the Contractor fails to perform any other obligation(s) under Contract.

16.1.3 If the Contractor, in either of the above circumstances, does not remedy his failure within a period of 30 days (or such longer period as AAI may authorize in writing) after receipt of the default notice from AAI.

16.1.4 As a penalty to the Contractor the AAI shall en-cash Contract Performance Bank Guarantee. The AAI in such case shall pay for the assessed value of the executed work that can be used. No payment shall be made for the efforts put in by the Contractor in case the same are of no value to AAI. The balance unfinished work of the project will be got done by fresh tendering on Contractor's risk and that extra expenditure will be recovered.

17. TERMINATION FOR INSOLVENCY :

17.1 The AAI may at any time terminate the Contract by giving written notice to the supplier, without compensation to the Contractor, if the Contractor becomes bankrupt or otherwise insolvent as declared by the competent court provided that such termination will not prejudice or affect any right or action or remedy which has accrued or will accrue thereafter to AAI. In the event of termination for penalty to the contractor Clause 16.1.4 shall be applicable.

18. SET OFF :

18.1 Any sum of money due and payable to the contractor (including security deposit refundable to him) under this contract may be appropriated by the Buyer to set off the same against any claim of the Buyer for payment of a sum of money arising out of this contract made by the Contractor with Buyer.

19. Deviation in Quantity :

19.1 AAI reserves the right to change the quantity to be supplied but within the overall deviation limit of 30% of the contract value.

19.2 AAI also reserves the right to purchase Extra item, Substitute items as per site requirements up to the overall limit of 30% of the contract value.

19.3 The overall deviation, Extra item or the substitute items taken together shall not exceed 30% of the contract value unless until it is mutually agreed by both the parties and a specific order is placed on the vendor in this regard.

20. Limitation of Liability

20.1 Notwithstanding any other term, there shall be no limitation of liability in case of any damages for bodily injury (including death) and damage to real property and tangible personal property due to gross negligence and willful misconduct of the other party.

- 20.2 In all other cases not covered by Para 20.1 above the total liability of either party under the terms of the contract shall not exceed the total contract value and in no event shall either party be liable to the other for any indirect, incidental, consequential, special or exemplary damages, nor for any damages as to lost profit, data, goodwill or business, nor for any reliance or cover damages even it was advised about the possibility of the same.

SECTION - IV

SPECIAL CONDITIONS OF THE CONTRACT

1. Standards

- 1.1 All designs, codes, developing platforms, developing techniques and workmanship shall be in accordance with the highest accepted international standards for this type of work.
- 1.2 The bidder shall also state, where applicable, the National or other International standard(s) to which the whole, or any specific part, of the system, software, or training complies.
- 1.3 The requirements given in this document are firm and no deviation of any kind is acceptable.

2 Time Schedule

- 2.1 The work as per the Notice Inviting Tender shall be completed within (As per Schedule-A Sr. No. 4) days of placement of firm order from AAI or as per the schedule submitted by the bidder whichever is less.

3 Time - The Essence of Contract

The time and date of completion of the works as contained in the supplier's proposal and as agreed to contractually after modifications, if any, shall be final and binding upon the supplier. It must be understood that the supplier has made the proposal after fully considering all such factors which may have any bearing on the time schedule of the contract, and no extension in the schedule whatsoever shall be permitted on these accounts by AAI.

The bidder is expected to submit the project plan within 1 week of award of the contract and shall stick to the plan. The contract execution shall be monitored initially on weekly basis and subsequently on daily basis.

4 Delay & Non-Conformance

- 4.1 In case of the above time scheduled including levy of compensation for late delivery of systems as contained in of Section-III of the tender document not being adhered to, AAI has the right to cancel the order wholly or in part thereof without any liability to cancellation charges and procure the goods / software elsewhere in which case the successful bidder shall make good the difference in the cost of goods procured elsewhere and price set forth in the order with the successful bidder.

5 Payment terms

- 5.1 No mobilization advance shall be paid.
- 5.2 The payments shall be released to the Contractor on submission of documents as below.
 - 5.2.1 Bills (Invoices) in duplicate
 - 5.2.2 Delivery Challan in original
 - 5.2.3 Original receipt from the Consignee for completion of delivery in good condition
 - 5.2.4 Inspection certificate in original as applicable

- 5.3 Payment for each of the services / works to the contractor shall be made in the following stages consistent with the work done.
- 5.4 The payment of 80 % of the cost of the product / equipment including warranty support charges as per bill of material & 100% taxes shall be released against the delivery of items at site as per the order and their inspection by AAI after delivery.
- 5.5 The balance 20% of the payment towards the cost of the Products / Equipment's and installation commissioning charges shall be released after the Site Acceptance Test of the items by AAI.
- 5.6 The payment towards the manpower support shall be released quarterly after the successful services rendered by the vendor and (OEM).
- 5.7 Bidder shall offer the price in the bid including GST as per current prevailing rate (i.e. the date on submission of bids), however in case of any change in GST, the actual GST prevailing at that time shall be paid to the vendor.

6 Guarantee / Warranty

- 6.1 Complete Software shall be guaranteed against all defects/bugs and for a satisfactory performance, as per all the listed features, for a period of (As per Schedule-A Sr. No. 5(a) & (b)) months from the date of supply.
- 6.2 The bidder shall attend at his own expense and get the defect/bugs removed in the systems as detected by AAI during the period of warranty.

7 Substitution & Wrong Supplies

- 7.1 Unauthorized/Pirated substitution or materials delivered in error of wrong description or quality or supplied in excess quantity or old versions shall be returned to the successful bidder at his cost and risk.

8 Dispatch of Documents

- 8.1 Pre-receipted Bills in triplicate at each stage of payment.
- 8.2 Copy of the Delivery Challan.
- 8.3 Copy of the Inspection report (if inspection carried out as a part of the Contract).
- 8.4 Duly certified Installation / Commissioning Certificate with the final bills.
- 8.5 Any other Document as per Annexure- (As per Schedule-A Sr. No. 6).

9 Up gradation

- 9.1 The successful bidder shall guarantee the long-term availability of Upgraded versions of hardware / software to the buyer for the full life of the equipment. The successful bidder shall guarantee that before outdating the current systems covered under the contract, successful bidder shall give AAI at least six (6) months advance notice so that the latter may order the next up graded system.

10 Technical Manual

- 10.1 The bidder shall supply complete set of technical/ operations and maintenance manuals (as applicable) along with the delivery. The cost of such manuals supplied will be included in the cost of the system.

11 Change of Model

- 11.1 No change of model after the placement of order shall be entertained unless the alternate model offered are equivalent or higher in specifications and approval of the competent authority has been obtained in writing for such a change of model before the delivery of the product. Delivery of the alternate product without such an approval shall not be accepted and AAI shall not be responsible for any delay in delivery schedule on this account.

12 Sample Testing

- 12.1 The Buyer may demand a sample product at any stage of tendering for evaluation. AAI reserves the right to reject a Bid at any stage of processing and shall forfeit the EMD if the sample product is found to be substandard and / or fails to meet the NIT specifications and the bidder shall have no further claims in the tender.

- 12.2 AAI shall not bear any cost with regard to transportation of the equipment for testing and all such cost with regard to the testing shall have to be borne by the Bidder.

13 Training

- 13.1 Bidder is required to provide minimum one day hands on training on each OEM technology proposed as a part of the RFP (if required).

14 INTELLECTUAL PROPERTY RIGHTS

- 14.1 Airports Authority of India recognizing the intellectual property rights (in case of Software Development Projects) of the contractor and shall allow the marketing of the product to third party provided the marketing is done jointly or in consultation with AAI. For this a memorandum of understanding (MOU) shall be arrived at between AAI and the Contractor before taking up such activity. MOU will define in clear terms the responsibility of both the parties, financial implications and legality of the action.

15 Submission of Acceptance Testing procedure

- 15.1 It will be the responsibility of the vendor to submit the system test procedure for conducting the post installation site acceptance testing. The procedure submitted by the vendor should be drafted in line with the standard practices followed in the industry and should be in accordance with the test procedures & practices specified by the OEM. The acceptance test procedure on approval by AAI shall become the document for acceptance of the equipment after installation at the site. The draft copy of system test procedure should be made available to AAI before 15 days of the schedule site acceptance date.

16 Project Schedule & Monitoring

- 16.1 The vendor shall plan various activities and submit the execution schedule within one week of award of the work. The execution schedule should clearly indicate all activities and the time required for completion of each activity taking the total project time as specified in para 2 above. Parallel activities and the dependent activities for each activity may be required to be specified in the schedule. The vendor would be required to submit the bar chart for all the activities along with the schedule. The project shall be closely monitored with respect to this schedule. The project review & coordination meetings shall be held once in 15 days with respect to this schedule. Apart from the regular monitoring meeting at CHQ

the physical progress of the work shall be monitored from time to time as agreed between both the parties in the progress review meetings. Any slippage from the schedule in completion of one activity and resultant delay / impact on the overall completion schedule shall be reviewed in each review meeting and the vendor would be required to take corrective actions to bring back the project on schedule.

- 17 The vendor should deploy well trained personnel at the site. AAI shall not be responsible for any incident or accident happening at the site due to the negligence of the personnel deployed by the bidder. The bidder shall absolve AAI against all such claims.
- 18 The Supplier is responsible for all unpacking, assemblies, wiring, installations, cabling between hardware units and connecting to power supplies at site.
- 19 Quantity ordered may vary as per site conditions / requirements.

20 Bidders registered with NSIC

20.1 Any concessions to the MSEs registered with NSIC and other govt agencies specified by the Ministry of Micro, Small Medium Enterprises as MSMED Act 2006, for goods produced and services rendered shall be applicable as per the directives of Govt. of India, prevalent on the date of acceptance of the bid.

20.2 In case a tenderer is eligible for any concession/exemption under this clause, documentary proof to this effect must be enclosed. It may be noted that submission, if any, of reference(s) of Govt. notification(s) pertaining to concessions/exemptions must be supported by copy(s) of such notification(s).

20.3 Bidder (MSEs) registered with NSIC seeking concession/exemption on the basis of "**goods produced**" need to submit a certificate issued from concerned authority (DIC or DEO etc.) for products offered in the bid are being produced by the concerned MSE.

20.4 Tender fee exemption: The tender fee will be refunded to NSIC registered bidders after duly checking and verifying their NSIC registration certificate during evaluation.

20.5 EMD Exemption: In case a bidder seeks and eligible for exemption from payment of EMD, Documentary proof as above to this effect must be enclosed with the document in fee (Packet-1) of the bid.

20.6 In case NSIC registration certificate is found invalid during evaluation, the bid of such bidder shall be rejected and tender fee shall not be refunded.

20.7 The benefit as above to MSE's shall be available only for good / services produced and provided by MSE's for which they are registered.

21 List of Exclusions

21.1 The tender clauses not related for the present tender are not applicable.

ANNEXURE-I

ACCEPTANCE LETTER

(TO BE SUBMITTED IN Pre-Qualification BID)

To,
G M (IT)
Airports Authority of India
Safdarjung Airport
New Delhi

Sub: Acceptance of Terms & Conditions of Tender

Name of Work: - "Name of the work as given in Schedule-A Sr. No. 1"

Tender No. : - "Tender No. as given in Schedule-A Sr. No. 2"

Dear Sir,

1. The tender document for the works mentioned above have been sold to me/us by Airports Authority of India and I / we hereby certify that I / we have read the entire terms and conditions of the tender document made available to me / us in the office of the General Manager (IT) , AAI, which shall form part of the contract agreement and I / we shall abide by the conditions / clauses contained therein.
2. I / We hereby unconditionally accept the tender conditions of AAI's tender document in its entirety for the above works.
3. It is clarified that after unconditionally accepting the tender conditions in its entirety, it is not permissible to put any remarks / conditions (except unconditional rebates on quoted rates if any) in the tender enclosed in envelope "A", "B" & "C" and the same has been followed in the present case. In case any provisions of this tender are found violated after opening envelope "A", "B" & "C". I / we agree that the tender shall be rejected and AAI shall without prejudice to any other right or remedy be at liberty to forfeit the full said earnest money absolutely.
4. That, I / We declare that I / we have not paid and will not pay any bribe to any officer of AAI for awarding this contract at any stage during its execution or at the time of payment of bills, and further if any officer of AAI ask for bribe / gratification, I will immediately report it to the appropriate authority of AAI.

Yours Faithfully,

(Signature of the Tenderer)
with rubber stamp

Date: _____

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ANNEXURE-II

PROFORMA BANK GUARANTEE FOR CONTRACT PERFORMANCE

(To be stamped in accordance with Stamp Act)

(The non-judicial stamp paper should be in the name of issuing Bank)

Ref : _____

Bank Guarantee No : _____

Date: _____

To

AIRPORTS AUTHORITY OF INDIA
Rajiv Gandhi Bhawan,
Safdarjung Airport New Delhi

Dear Sirs,

In consideration of the Airports Authority of India (hereinafter referred to as the Owner", which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having awarded to M/s -----
----- (hereinafter referred to as the 'Contractor', which expression shall unless repugnant to the context of meaning thereof, include its successors, administrators executors and assigns), a contract. Bearing No. ----- dated-----
valued at ----- for ----- and the contractor having (scope of contract) agreed to provide a Contract Performance of the entire Contract equivalent to -----
----- (10 per cent) of the said value of the Contract to the Owner. We at -----
(hereinafter referred to as the 'BANK', which expression shall, unless repugnant to the context or meaning thereof, include the successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Owner, on demand any and all money payable by the Contractor to the extent of ----- as aforesaid at any time upto ----- (day/month/year) without any demur, reservation, contest, recourse or protest and/or without any reference to the Contractor. Any such demand made by the owner the Bank shall be conclusive and binding notwithstanding any difference between the owner and contractor or any dispute pending before any court, tribunal or any authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the Owner and further agrees that the guarantee herein contained shall continue to be enforceable till the Owner discharges this guarantee. The Owner shall have the fullest liberty, without affecting in any way the liability of the Bank under this guarantee, to postpone from time to time the exercise of any powers vested in then or of any right which they might have against the Contractor,. And to exercise the same at any time in any manner, and either to enforce or to forebear to enforce any covenants, contained or implied, in the Contract between the Owner and the Contractor or any other course of or remedy or security available to the Owner. The Bank shall not be released of its obligations under these presents by any exercise by the Owner or by any other matters or thing whatsoever which under law would, but for this provision, have the effect of relieving the Bank. The Bank also agrees that the Owner at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the Owner may have in relation to the Contractors liabilities.

Apart from other guarantees this Bank Guarantee explicitly provides for the following:

- A) The Hardware / Software supplied under the contract shall be free from all defects / bugs and upon written notice from AAI, the successful bidder shall fully remedy , free of expenses to AAI , all such defects /

bug as developed under the normal use of the said hardware / software within the period of guarantee/Warranty.

- B) The performance guarantee is intended to secure the performance of the entire system. However, it is not to be construed as limiting the damages stipulated in any other clause.

Notwithstanding anything mentioned herein above our liability under this guarantee is restricted to Rs. --
----- and it shall remain in force upto and including ----- and shall be extended from time to time for
such period (not exceeding one year), as may be desired by M/s ----- on whose behalf this guarantee has
been given.

WITNESS

Dated this ----- day of ----- 2013 at -----

Signature ----- Signature -----

Name ----- (Bank's Rubber Stamp)

Official address ----- Name -----

Designation with Bank Stamp

Attorney as per Power of

Attorney No. -----

Date-----

ANNEXURE- II A

(Company Letter Head)

(To be submitted when the form of EMD submission is BG)

(Letter of understanding from the Bidder to Bank to be submitted along with EMD to Airports Authority of India)

The Branch Manager,
..... **Bank,**
.....

**Subject: My/Our Bank Guarantee bearing No..... dated..... for amount
..... issued in favor of Airports Authority of India (AAI).**
Sir,

The subject Bank Guarantee is obtained from your branch for the purpose of Earnest Money on account of contract awarded/ to be awarded by M/s AAI to me/us.

I/We hereby authorize the Airports Authority of India in whose favour the deposit is made to close the subject Bank Guarantee before maturity/on maturity towards adjustment of dues without any reference/consent/notice from my/our side and the bank is fully discharged by making the payment to Airports Authority of India.

Date:

Signature of the Depositor

Place:

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ANNEXURE –II B

Bank Guarantee Format for EMD

(To be submitted when the form of EMD submission is BG)
(On Non-judicial stamp paper of Rs.100.00)

Bank Guarantee

**The Chairman,
Airports Authority of India,
CHQ, Rajiv Gandhi Bhawan,
Safdarjung Airport,
New Delhi 110 003,
INDIA**

Dear Sir,

We _____ (full name of the banker) hereby refer to the tender for(name of work) between the Airports Authority of India as purchaser and M/s _____ (fill in the name of tenderer) as tenderer providing in substance for(name of work) as particularized in said tender, to which specific reference is made. Under the terms of said tender, the tenderer is required to provide a bank guarantee in a form acceptable to the purchaser for the amount of Rs.....(amount in figures)(Rupees) on account of EMD.

In view of the foregoing and pursuant to the terms of the said tender, which tender is referred to and made a part thereof as fully and to the same extent as if copied at length hereon, we hereby absolutely and unconditionally guarantee to the purchaser, performance of the terms and conditions of the said tender. The guarantee shall be construed as an absolute, unconditional and direct guarantee of the performance of the tender without regard to the validity, regularity or enforceability of any obligation of the parties to the tender.

The purchaser shall be entitled to enforce this guarantee without being obliged to resort initially to any other security or to any other remedy to enforce any of obligations herein guaranteed any may pursue any or all of its remedies at one or at different times. Upon default of the tender, we agree to pay to the purchaser on demand and without demur the sum of Rs.....(amount in figures)(Rupees) or any part thereof, upon presentation of a written statement by the purchaser that the amount of said demand represents damages due from the tenderer to the purchaser by virtue of breach of performance by the tenderer under the terms of the aforesaid tender. The determination of the fact of breach and the amount of damages sustained and or liability under the guarantee shall be in the sole discretion of the purchaser whose decision shall be conclusive and binding on the guarantor.

It is mutually agreed that the purchaser shall have the fullest liberty without affecting in any manner our obligation hereunder with or without our consent to vary any of the terms of the said tender or to extend the time for performance by the tenderer, from time to time any of the powers exercisable by the purchaser against the tender and either to forebear or on force any of the terms and conditions relating to the said tender and we shall not be relieved from our liability by reasons of any variation of any extension being granted to the tender or for any

forbearance act or commission on the part of the purchaser or any indulgence by the purchaser to the tenderer or by any such matter or thing whatsoever which under the law relating to the sureties would but for this provision have effect of so relieving our obligation.

This guarantee is confirmed and irrevocable and shall remain in effect until _____ (the validity shall be six months from the date of opening of Tender) and such extended periods which may be mutually agreed to. We hereby expressly waive notice of any said extension of the time for performance and alteration or change in any of the term and conditions of the said tender.

Very truly yours,

(Authorized Signatory of the Bank)

ANNEXURE –III

List of Support Staff with qualification background
(To be submitted with Technical bid)

Name of Work: - "Name of the work as given in Schedule-A Sr. No. 1"

Tender No.: "Tender No. as given in Schedule-A Sr. No. 2"

Sr. No.	Name of the Employee	Qualification		Experience (No. of years)	Remarks
		Educational	Professional		
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

AUTHORIZED SIGNATURE _____

NAME OF THE SIGNATORY _____

NAME & ADDRESS OF THE TENDERER

OFFICIAL SEAL _____ **Date** _____

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ANNEXURE – IV**Details of Make/ Models offered against the Tender**
(To be submitted in the Technical Bid)

Name of Work: - Procurement of "Name of the work as given in Schedule-A Sr. No. 1"
Tender No.: "Tender No. as given in Schedule-A Sr. No. 2"

S.No.	Item Description	Make / Model Offered
1	Router Type-1	
2	Router Type-2	
3	Router - DC	
4	Core switch -L3	
5	Core Switch -DC	
6	FireWall	
7	Distribution Switches L-3	
8	Wireless Controller	
9	WAP (Indoor)	
10	WAP (Indoor) with Power Injector	
11	Edge Switch - 48 Port (Non-PoE)	
12	Edge Switch - 48 Port (PoE)	
13	Edge Switch - 24 Port (Non-PoE)	
14	Edge Switch - 8 Port (Non-PoE)	
15	10G SMF MODULES	Same OEM (LAN Switches) Make
16	10 G MMF MODULES	Same OEM (LAN Switches) Make
17	1 G SMF MODULES	Same OEM (LAN Switches) Make
18	1 G UTP MODULES	Same OEM (LAN Switches) Make
19	Stacking Module	Same OEM (LAN Switches) Make
20	Racks	
26	UPS 6 KVA	
27	UPS 1 KVA	
28	Passive Cabling Components & Accessories	
29	HDPE Pipe	As per Industry Standard
30	GI Pipe	As per Industry Standard
31	Cable Tray	As per Industry Standard
32	Conduit	As per Industry Standard
33	Channel Conduit	As per Industry Standard

Instructions:

- Note:**
- 1. Tender specific MAFs are required for the item Nos.1 to 36 as stated above.**
 - 2. All WAN Equipments shall be of same Make.**
 - 3. All LAN Switching Equipments shall be of same make.**
 - 3. All Passive Cabling Equipments shall be of same Make.**

AUTHORIZED SIGNATURE _____

NAME OF THE SIGNATORY _____

NAME & ADDRESS OF THE TENDERER

OFFICIAL SEAL _____ **Date** _____

Annexure – IV A

Detail Bill of Material

For Active Networking Equipments
Offered against the Specification as per Annexure-VII
(To be submitted in the Technical Bid)

Name of Work: - "Name of the work as given in Schedule-A Sr. No. 1"

Tender No.: "Tender No. as given in Schedule-A Sr. No. 2"

Sl. No.	Item	UoM	Qty.	Detailed Bill of Material
1	Router Type-1			
2	Router Type-2			
3	Router - DC			
4	Core switch -L3			
5	Core Switch - DC			
6	Firewall			
7	Distribution Switches L-3			
8	Wireless LAN Controller			
9	Wireless Access Point (Indoor)			
10	Wireless Access Point (Indoor) with Power Injector			
11	Edge Switch - 48 Port (Non-PoE)			
12	Edge Switch - 48 Port (PoE)			
13	Edge Switch - 24 Port (Non-PoE)			
14	Edge Switch - 8 Port (Non-PoE)			

Detailed Bill of Material is Mandatory to comply Specifications as per Annexure-VII

Note: Separate Additional Sheets may be attached.

ANNEXURE – V

FORMAT FOR INTIMATION OF FORCE MAJEURE OCCURRENCE

**Information Technology Division,
New Admin Block, Airports Authority of India,
Safdarjung Airport,
New Delhi - 110 003.**

Name of Work : - "Name of the work as given in Schedule-A Sr. No. 1"

Tender No. : - "Tender No. as given in Schedule-A Sr. No. 2"

Subject: Intimation regarding Force Majeure Case:

Sir,

Pursuant to Clause No.12 - FORCE MAJEURE, it is for your kind information that a case of force majeure has since occurred. Details are given below:

Date of occurrence	Detail of Incident	Activity affected	Likely Delay	Requested Extension

We are entitled to an extension in the date of completion as requested above. Bar Chart with revised schedule of activities is attached. Please approve the extension in the time. Evidence of the date of occurrence is also enclosed.

It is certified that performance of the Contract has been interfered with. It is also certified that the incident has not occurred due to our own action and that there has not been any lack of action by us in preventing the occurrence.

We are only claiming the extension in the date of completion of the activity (ies) and not claiming the loss incurred in the course of the incident.

Yours truly,

(Project Manager)

Enclosures:

1. Revised Bar Chart.
2. Evidence of the occurrence of the Force Majeure case (..... sheets)

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ANNEXURE-VI**APPLICATION FOR EXTENSION OF TIME**

Part-I

1. Name of the Contractor
2. Name of the work as given in the agreement
3. Agreement No.
4. Contract Amount
5. Date of Commencement of work as per agreement
1. Period allowed for completion of work as per agreement
2. Date of completion stipulated in agreement
3. Date of actual completion of work
4. Period for which extension is applied for.
5. Hindrances on account of which extension is applied for with dates on which hindrances occurred and the period for which these are likely to last.

Sl No	Name of Hindrance	Date of occurrence of hindrance	Date of over of hindrance	Period of hindrance	Overlapping Period	Net extension applied for	Remarks if any
1	2	3	4	5	6	7	8

Total period for which extension is now applied for on account of hindrances mentioned above.

Month

Days

6. Extension of time required for extra work.
12. Details of extra work and the amount involved:-

Total value of extra work	Proportionate period of extension of time based on estimated amount put to tender on account of extra work.
(a)	(b)

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13. Total extension of time required for 10 & 11.
Submitted to the Project Manager_____.

Signature of Contractor

Dated

Part II

(For Official Use)

1. Date of receipt of application from _____
Contractor for the work of _____ in the office of the General
Manager (IT) _____.
2. Recommendations of the project Manager as to whether the reasons given by the contractor are correct and what extension, if any, is recommended by him. If he does not recommend the extension, reasons for rejection should be given.

Dated:

Signature of the Installation In-charge

(To be filled in by the Project Manager)

1. Date of receipt in the Office:-
2. Project Manager's remarks regarding hindrances mentioned by the contractor.
 - (i) Serial No
 - (ii) Nature of hindrance
 - (iii) Date of occurrence of hindrance
 - (iv) Period for which hindrance is likely to last
 - (v) Extension of time applied for by the contractor
 - (vi) Overlapping period, if any, giving reference to items which overlap
 - (vii) Net period for which extension is recommended
 - (viii) Remarks as to why the hindrance occurred and justification for extension recommended.
3. Project Manager's Recommendations. The present progress of the work should be stated and whether the work is likely to be completed by the date up to which extension has been applied for. If extension of time is not recommended, what compensation is proposed to be levied under Clause 32 of the agreement.

Signature of Project Manager

Signature of Accepting Authority

ANNEXURE-VII**Equipment / Product Specifications & Compliance Statement**

(To be submitted with Technical bid)

(As per relevant 10.1.2 of section-II of Tender Document)

Name of Work : - "Name of the work as given in Schedule-A Sr. No. 1"

Tender No. : - "Tender No. as given in Schedule-A Sr. No. 2".

Scope of Work for the System Integrator under this project would be as follows:

AAI Requirement	Complied / Not Complied
Complete delivery of all the Equipments as per specifications in the NIT.	
Replacement of existing Active Network equipment's with newly supplied equipment including re-termination of node (if required).	
Complete installation, Configuration, Testing and Implementation of all the delivered equipment as per the approved Drawing/ Layout Plan.	

TABLE -1

Name of the Station : AHMEDABAD			
Details of NW (Active & Passive) Equipments			
Sl. No.	Item Description (1)	UoM (2)	Quantity (3)
	Supply of Active Equipments		
1	Router Type-1	Nos	1
2	Core Switch -L3	Nos	2
3	Distribution Switch-L3	Nos	2
4	Wireless LAN Controller	Nos	1
5	Wireless Access Point (Indoor)	Nos	12
6	Edge Switch - 48 Port (Non-PoE)	Nos	4
7	Edge Switch - 48 Port (PoE)	Nos	6
8	Edge Switch - 24 Port (Non-PoE)	Nos	8
9	Edge Switch - 8 Port (Non-PoE)	Nos	1
10	10G SMF MODULES	Nos	48
11	1G SMF MODULES	Nos	2
12	1G UTP MODULES	Nos	36
13	Installation , Testing & Commissioning of Active Equipments	Lot	1

	Supply of Rack & Accessories		
14	Floor Mount Rack 42 U (800 MM)	Nos	1
15	Wall Mount Rack 15 U (600MM)	Nos	10
16	Wall Mount Rack 9 U (600MM)	Nos	6
17	Wall Mount Rack 6 U (450MM/600MM)	Nos	1
18	UPS 6 KVA	Nos	1
19	UPS 1 KVA	Nos	9
	Supply of Fiber Components		
20	LIU (24 Core) Fully Loaded Couplers & Adapters	Nos	9
21	LIU (12 Core) Fully Loaded Couplers & Adapters	Nos	7
22	Fiber Patch Cord (LC-LC)	Nos	38
23	Fibre Optical cable 12 Core (SM)	Meter	12610
	Supply of UTP Components		
24	Jack Panel (24 Port) Fully Loaded	Nos	28
25	Jack Panel (8 Port) Fully Loaded	Nos	1
26	Patch Cord (UTP) 1 Meter	Nos	680
27	Patch Cord (UTP) 2 Meter	Nos	184
28	I/O with Face Plate & Box.	Nos	112
29	UTP CAT-6A (305 Mtr Box)	Nos	23
30	HDPE Pipe	Meter	12610
31	GI Pipe	Meter	200
32	Cable Tray	Meter	800
33	Conduit	Meter	200
34	Channel Conduit	Meter	200
	Services		
35	Laying of HDPE Pipe (Wall)	Meter	610
36	Laying of HDPE Pipe (Trench)	Meter	6000
37	Laying of HDPE Pipe (HDD)	Meter	6000
38	Laying Of Fiber Optical Cable	Meter	12610
39	Installation of LIU & Splicing of pigtails with labelling & Dressing of Fiber Patch Cords	Nos.	16
40	Laying of Cable Tray	Meter	800
41	Laying of Conduit/ Channel Conduit	Meter	200
42	Laying of UTP	Meter	7015
43	Installation of Jack Panel	Nos.	29
44	Installation & Dressing of 42 U Rack	Nos	1

45	Installation & Dressing of 15 U Rack	Nos	10
46	Installation & Dressing of 9 U Rack	Nos	6
47	Installation & Dressing of 6 U Rack	Nos	1
48	Fixing of Cat 6A UTP Information Outlet with Face Plate & Box	Nos	112

TABLE-2

Name of the Station : Kolkata			
Details of NW (Active & Passive) Equipments			
Sl. No.	Item Description	UoM	Quantity
	Supply of Active Equipments		
49	Router Type-1	Nos	2
50	Router Type-2	Nos	2
51	Core switch -L3	Nos	4
52	Edge Switch - 48 Port (Non-PoE)	Nos	4
53	Edge Switch - 24 Port (Non-PoE)	Nos	16
54	10G SMF MODULES	Nos	64
55	1G UTP MODULES	Nos	34
56	Stacking MODULES	Nos	2
57	Installation , Testing & Commissioning of Active Equipments	Lot	1
	Supply of Rack & Accessories		
58	Floor Mount Rack 42 U (800 MM)	Nos	2
59	Wall Mount Rack 12 U (600MM)	Nos	14
60	UPS 6 KVA	Nos	2
61	UPS 1 KVA	Nos	14
	Supply of Fiber Components		
62	LIU (24 Core) Fully Loaded Couplers & Adapters	Nos	4
63	LIU (12 Core) Fully Loaded Couplers & Adapters	Nos	14
64	Fiber Patch Cord (LC-LC)	Nos	90
65	Fibre Optical cable 12 Core (SM)	Meter	3550
	Supply of UTP Components		
66	Jack Panel (24 Port) Fully Loaded	Nos	21
67	Patch Cord (UTP) 1 Meter	Nos	230
68	Patch Cord (UTP) 2 Meter	Nos	170

69	I/O with Face Plate & Box.	Nos	150
70	UTP CAT-6A (305 Mtr Box)	Nos	16
71	HDPE Pipe	Meter	3550
72	Cable Tray	Meter	100
73	Conduit	Meter	2000
74	Channel Conduit	Meter	2000
	Services		
75	Laying of HDPE Pipe (Wall)	Meter	2650
76	Laying of HDPE Pipe (HDD)	Meter	900
77	Laying Of Fiber Optical Cable	Meter	3550
78	Installation of LIU & Splicing of pigtails with labelling & Dressing of Fiber Patch Cords	Nos.	18
79	Laying of Cable Tray	Meter	
80	Laying of Conduit/ Channel Conduit	Meter	2000
81	Laying of UTP	Meter	4880
82	Installation of Jack Panel	Nos.	21
83	Installation & Dressing of 42 U Rack	Nos	2
84	Installation & Dressing of 12 U Rack	Nos	14
85	Fixing of Cat 6A UTP Information Outlet with Face Plate & Box	Nos	150

TABLE-3

Name of the Station : Vijyawada			
Details of NW (Active & Passive) Equipments			
Sl. No.	Item Description	UoM	Quantity
	Supply of Active Equipments		
86	Router Type-2	Nos	1
87	Core switch -L3	Nos	1
88	Edge Switch - 48 Port (Non-PoE)	Nos	2
89	Edge Switch - 24 Port (Non-PoE)	Nos	4
90	Wireless Access Point (Indoor) with Power Injector	Nos	5
91	10G SMF MODULES	Nos	12
92	10G MMF MODULES	Nos	2
93	1G UTP MODULES	Nos	14

94	Installation , Testing & Commissioning of Active Equipments	Lot	1
	Supply of Rack & Accessories		
95	Floor Mount Rack 24U (600 MM) & Installation	Nos	1
96	Wall Mount Rack 15 U (600MM) & Installation	Nos	1
97	Wall Mount Rack 12 U (600MM) & Installation	Nos	1

TABLE-4

Name of the Station: Delhi			
Sl. No.	Item Description	UoM	Quantity
98	Router - DC	Nos	2
99	Router Type-2	Nos	2
100	Core Switch – DC	Nos	2
101	Edge Switch -24 Port (Non-PoE)	Nos	4
102	Firewall	Nos	2
103	Floor Mount Rack 42 U (800MM)	Nos	1
102	UPS 6 KVA	Nos	1
103	10G MMF MODULES	Nos	4
104	Installation , Testing & Commissioning of Active Equipments	Lot	1

TABLE-5

Name of the Station : Smaller Airports					
S.No	Airports	Qty for Supply of Router Type-2 (Nos.)	Qty for Supply of Edge Switch - 24 Port (Non-PoE) (Nos.)	Qty for Supply of 1 G SMF Module (Nos.)	ITC of Active Equipments (Lot)
1	Agatti	0	1	0	1
2	Barapani	1	1	1	1
3	Belgaum	0	1	0	1
4	Bhuj	0	1	0	1
5	Gaya	1	1	1	1
6	Gwalior	1	1	1	1

7	Hubli	1	1	1	1
8	Jabalpur	1	1	1	1
9	Jam Nagar	1	1	1	1
10	Kandla	1	1	1	1
11	Kangra	1	1	1	1
12	Kullu	1	1	1	1
13	Leh Airport	1	1	1	1
14	Ludhiana	0	1	0	1
15	Pondicherry	1	1	1	1
16	Porbandar	1	1	1	1
17	Port Blair	1	1	1	1
18	Rajamundhry	1	1	1	1
19	Shimla	1	1	1	1
20	Surat	1	1	1	1
21	Tirupati	1	1	1	1
22	Tuticorin	1	1	1	1
23	Bhubneshwar	1	0	1	1
24	Goa	1	0	1	1
25	Pant Nagar	0	1	0	1
	Total Qty	20	23	20	25

Technical Specifications

Item No.1/ Item No.49 Router Type-1		
S. No	Generic Requirements	Complied/Not Complied
1	The Router should be modular in architecture with multicore processor. Router should have 4 nos. of 10/100/1000 Base-T ports out of which 4 nos. should have SFP based ports option. Router should have 1x RJ-45 and 1xUSB console port.	
2	Router should have 1:1 redundant internal and field replaceable power supply.	
3	Router should have at least 2 open slots for additional LAN/ WAN modules other then asked ports.	
4	Should have capabilities to seamless upgrade/replacement (without interrupting running processes and services)all modular interfaces supported by router like Channelized E1/T1, V.35, G.703 and Gigabit Ethernet modules to accommodate field upgrades	
5	The router should have minimum 8GB DRAM active and 8 GB Compact Flash from day one	
6	Router should have a minimum throughput of 500 Mbps or more with all services enabled	
7	Router should have DES, 3DES and AES Standards. Should support IPSec with IKEv2 and Suite-B Encryption. Router should support 3K GRE and IPSec Tunnels.	
8	Router should support static Routes, OSPFv2, OSPFv3, BGP4, MBGP, BFD, Policy based routing, IPv4 and IPv6 tunneling. Router should support 750K IPv4 and IPv6 routes.	
9	Router should support IGMP v1/v2/v3 and PIM multicast routing	
10	The Router should have MPLS and Zone Based Firewall feature from Day 1	
11	Shall have 802.1p class of service and marking, classification, policing and shaping.	
12	Router should support SSHv2, SNMPv2c, SNMPv3 and NTP	
13	Routers should support AAA using RADIUS and TACACS+	
14	Should support extensive support for IP SLA and best path selection for metrics like delay, latency, jitter, packet loss to assure business-critical IP applications.	

15	Router should support monitoring of network traffic with application level insight with deep packet visibility into web traffic, RTP-Based VoIP traffic and cRTP	
16	Router shall have traffic load balancing capability on dual WAN Links based on based on advanced criteria, such as reachability, delay, loss, jitter and bandwidth utilization.	
17	Router shall have capability to add on demand IPSec VPN tunnels to multiple remote locations dynamically without changing the configuration.	
18	Router shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
19	Router shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
20	Router/Router's Operating System should be tested and certified for EAL 3/NDPP or above under Common Criteria Certification	
21	Router should be IPv6 Certified/IPv6 logo ready	
22	3 Years onsite OEM Warranty	

Item No. 2/ Item No. 51 / Item No. 87 Core Switch - L3		
S. No	Generic Requirements	Complied/Not Complied
1	Switch should be 1RU with minimum 24 no. of 10 Gig SFP+ ports and upgradable to additional 2 nos. of 40 Gig QSFP ports.	
2	Switch should have minimum 240 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 4 switches in a single stack.	
3	Switching system shall have minimum 640 Gbps of switching fabric and minimum 450 Mpps of forwarding rate.	
4	Switch should have hot swappable 1:1 redundant internal power supply.	
5	Power supply, fan modules and interface modules should be hot swappable.	
6	Switching system shall have minimum 32K MAC Addresses and 1K active VLANs.	
7	Switch should support minimum 2K ACLs, 4K Multicast and 8K Unicast Routes for IPv4 and IPv6.	
8	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.	

9	Should have static routing, OSPF, OSPFv3, BGP, HSRP for IPv6/VRRPv3, VRF (Virtual routing and forwarding), IGMP v1/v2/v3 and PIM multicast routing.	
10	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.	
11	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+ .	
12	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.	
13	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	
14	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	
15	Switch shall support application visibility and traffic monitoring with minimum 24 K netFlow/sflow/jflow entries.	
16	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
17	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
18	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.	
19	Switch should be IPv6 Certified/IPv6 logo ready.	
20	3 Years onsite OEM Warranty	

Item No. 3 Distribution Switch - L3		
S. No	Generic Requirements	Complied/Not Complied
1	Switch should be 1RU with minimum 12 no. of 10 Gig SFP+ ports and upgradable to additional 4 nos. of 10 Gig SFP+ ports.	
2	Switch should have minimum 120 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 4 switches in a single stack.	
3	Switching system shall have minimum 320 Gbps of switching fabric and minimum 225 Mpps of forwarding rate.	

4	Switch should have hot swappable 1:1 redundant internal power supply.	
5	Power supply, fan modules and interface modules should be hot swappable.	
6	Switching system shall have minimum 32K MAC Addresses and 1K active VLANs.	
7	Switch should support minimum 2K ACLs, 4K Multicast and 8K Unicast Routes for IPv4 and IPv6.	
8	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.	
9	Should have static routing, OSPF, OSPFv3, BGP, HSRP for IPv6/VRRPv3, VRF (Virtual routing and forwarding), IGMP v1/v2/v3 and PIM multicast routing .	
10	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.	
11	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+ .	
12	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.	
13	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	
14	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	
15	Switch shall support application visibility and traffic monitoring with minimum 24 K netFlow/sflow/jflow entries.	
16	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
17	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
18	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.	
19	Switch should be IPv6 Certified/IPv6 logo ready.	
20	3 Years onsite OEM Warranty	

Item No. 4
Wireless LAN Controller

S. No	Generic Requirements	Complied/Not Complied
1	Must be compliant with IEEE CAPWAP or equivalent IETF standard for controller-based WLANs.	
2	WLAN Controller should have license for asked access points in a single 1 RU chassis from day 1. Controller should be scalable to minimum 150 AP in same hardware and minimum 3000 clients.	
3	WLAN controller must have atleast 2 x 10/100/1000 Base-T auto sensing uplink interfaces.	
4	Should have minimum 2 Gbps DES, 3DES/AES based encryption throughput.	
5	Must support 1:1 redundancy models	
6	Must support an ability to dynamically adjust channel and power settings based on the RF environment	
7	Must support coverage hole detection and correction that can be adjusted on a per WLAN basis.	
8	WLC should support L2 and L3 roaming of IPv6 clients	
9	WLC should support First hop security features in IPv6 network like Router Advertisement guard, DHCPv6 guard and IPv6 source guard	
10	WLC should support IPv6 access control lists and guest-access functionality for IPv6 clients.	
11	Should adhere to the strictest level of security standards, including 802.11i, WPA2, WPA, WEP, 802.1X with multiple Extensible Authentication Protocol (EAP) types, PEAP, EAP-TLS, EAP-TTLS	
12	Should support Management frame protection for the authentication of 802.11 management frames by the wireless network infrastructure	
13	Controller should have rogue AP detection, classification and automatic containment feature	
14	Controller should be able to detect attacks like Broadcast de - authentication, NULL probe, Well entreated from day one for all access points	
15	Should provide a snapshot of Air quality/RF in terms of the performance and impact of interference on the wireless network identifying the problem areas.	
16	Should provide real-time charts showing interferers on a per-radio, per-channel basis.	
17	Must support 802.11e and WMM	
18	Should have Voice and Video Call Admission and Stream prioritization for preferential QOS	
19	To deliver optimal bandwidth usage, reliable multicast must use single session between AP and Wireless Controller	

20	3 Years onsite OEM Warranty	
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Item No. 5 / Item No.90 Wireless Access Point (Indoor)		
S. No	Generic Requirements	Complied/Not Complied
1	Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2. Access Point must have controller functionality to control minimum 15 access points on same LAN.	
2	Must have a robust design for durability, without visible vents.	
3	Mounting kit should be standard from OEM directly.	
4	Must support 4x4 multiple-input multiple-output (MIMO) with four spatial streams	
5	Must support data rates Upto 450 Mbps on 802.11n and 1.3 Gbps on 802.11ac	
6	Must support up to 22dbm of transmit power in both 2.4Ghz and 5Ghz radios.	
7	Must have 2 nos. of 10/100/1000 Base-T (least one with PoE/PoE+ powering) port and one management console port.	
8	Must have minimum 16 SSIDs.	
9	Should support detecting and classifying non Wi-Fi wireless transmissions.	
10	Should support radio resource management for power, channel, coverage hole detection and performance optimization.	
11	Must operate as a sensor for wireless IPS.	
12	Access Points must support a distributed encryption/decryption model.	
13	Must be plenum-rated (UL2043).	
14	Should support 802.11e and WMM.	
15	3 Years onsite OEM Warranty	

Item No. 6 / Item No.52 / Item No. 88 Edge Switch - 48 Port (Non-PoE)		
S. No	Generic Requirements	Complied/Not Complied
1	Switch should be 1RU with minimum 48 nos. 10/100/1000 Base-T ports and additional 2 nos. SFP+ uplinks ports.	

2	Switch should have slot/ports(excluding uplinks) for minimum 48 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	
3	Switch should support external/internal power supply.	
4	Interface modules should be hot swappable.	
5	Switch shall have minimum 136 Gbps of switching fabric and 101 Mpps of forwarding rate.	
6	Switch shall have minimum 12 K MAC Addresses and 250 active VLANs.	
7	Switch should support minimum 1K ACLs, 1K Multicast and 2K Unicast Routes for IPv4 and IPv6.	
8	Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.	
9	Switch should have static routing, RIP, PIM, OSPF and PBR from Day 1	
10	Switch shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.	
11	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+ .	
12	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.	
13	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	
14	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	
15	Switch shall support application visibility and traffic monitoring with minimum 12 K netFlow/sflow/jflow entries.	
16	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
17	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
18	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.	
19	Switch should be IPv6 Certified/IPv6 logo ready.	
20	3 Years onsite OEM Warranty	

Item No.7
Edge Switch - 48 Port (PoE)

S. No	Generic Requirements	Complied/Not Complied
1	Switch should be 1RU with minimum 48 nos. 10/100/1000 Base-T ports with PoE+ capability and minimum 370W of PoE Power and additional 2 nos. SFP+ uplinks ports.	
2	Switch should have slot/ports(excluding uplinks) for minimum 48 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	
3	Switch should support external/internal internal power supply.	
4	Interface modules should be hot swappable.	
5	Switch shall have minimum 136 Gbps of switching fabric and 101 Mpps of forwarding rate.	
6	Shall have minimum 12 K MAC Addresses and 250 active VLANs.	
7	Switch should support minimum 1K ACLs, 1K Multicast and 2K Unicast Routes for IPv4 and IPv6.	
8	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.	
9	Should have static routing, RIP, PIM, OSPF and PBR from Day 1	
10	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.	
11	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+ .	
12	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.	
13	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	
14	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	
15	Switch shall support application visibility and traffic monitoring with minimum 12 K netFlow/sflow/jflow entries.	
16	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
17	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	

18	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.	
19	Switch should be IPv6 Certified/IPv6 logo ready.	
20	3 Years onsite OEM Warranty	

Item No. 8 / Item No. 53/ Item No. 89/ Item No.101/TABLE-5**Edge Switch - 24 Port (Non-PoE)**

S. No	Generic Requirements	Complied/Not Complied
1	Switch should be 1RU with minimum 24 nos. 10/100/1000 Base-T ports and additional 2 nos. SFP+ uplinks ports.	
2	Switch should have slot/ports (excluding uplinks) for minimum 48 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	
3	Switch should support external/internal power supply.	
4	Interface modules should be hot swappable.	
5	Switch shall have minimum 88 Gbps of switching fabric and 65 Mpps of forwarding rate.	
6	Shall have minimum 12 K MAC Addresses and 250 active VLANs.	
7	Switch should support minimum 1K ACLs, 1K Multicast and 2K Unicast Routes for IPv4 and IPv6.	
8	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.	
9	Should have static routing, RIP, PIM, OSPF and PBR from Day 1	
10	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.	
11	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+ .	
12	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.	
13	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	
14	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	

15	Switch shall support application visibility and traffic monitoring with minimum 12 K netFlow/sflow/jflow entries.	
16	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
17	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
18	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.	
19	Switch should be IPv6 Certified/IPv6 logo ready.	
20	3 Years onsite OEM Warranty	

Item No. 9 Edge Switch - 8 Port (Non-PoE)		
S. No	Generic Requirements	Complied/Not Complied
1	Switch should be 1RU with minimum 8 nos. 10/100/1000 Base-T ports and additional 2 nos. SFP and 2 nos. UTP uplinks ports.	
2	Interface modules should be hot swappable.	
3	Switch shall have minimum 24 Gbps of switching fabric and 17.8 Mpps of forwarding rate.	
4	Shall have minimum 8 K MAC Addresses and 250 active Vlans.	
5	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.	
6	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.	
7	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+.	
8	Switch should support port security, DHCP snooping, Dynamic ARP inspection, IP Source guard, BPDU Guard, Spanning tree root guard.	
9	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	
10	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	
11	Switch shall support application visibility and traffic monitoring with minimum 4 K netFlow/sflow/jflow entries.	

12	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
13	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
14	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.	
15	Switch should be IPv6 Certified/IPv6 logo ready.	
16	3 Years onsite OEM Warranty	

Item No. 10/ Item No.54 / Item No.91 10G SMF MODULES		
S. No	Generic Requirements	Complied/Not Complied
1	Connector types LC	
2	10G Base-LR	
3	Support 10 Gbps upto 10 KM on SMF	
4	Should be from same OEM of switches.	
5	3 Years Onsite OEM Warranty	

Item No. 11 / TABLE-5 1G SMF MODULES		
S. No	Generic Requirements	Complied/Not Complied
1	Connector types LC	
2	1000 Base-LX/LH	
3	Support 1 Gbps upto 10 KM on SMF	
4	Should be from same OEM of switches.	
5	3 Years Onsite Warranty	

Item No. 12/ Item No.55/ Item No. 93 / Item No.101 1G UTP MODULES		
S. No	Generic Requirements	Complied/Not Complied
1	Connector types RJ45	
2	Should Support 1000Base-T on CAT-5e/CAT6 UTP	
3	Should be from same OEM of switches.	
4	3 Years onsite Warranty	

Item no. 50/ Item No.99/TABLE-5 Router Type-2		
S. No	Generic Requirements	Complied/Not Complied
1	The Router should be modular in architecture with multicore processor. Router should have 3 nos. of 10/100/1000 Base-T ports out of which 2 nos. should have SFP based ports option. Router should have 1x RJ-45 and 1xUSB console port.	
2	Router should have at least 2 open slots for additional LAN/ WAN modules other then asked ports.	
3	Should have capabilities to seamless upgrade/replacement (without interrupting running processes and services)all modular interfaces supported by router like Channelized E1/T1, V.35, G.703 and Gigabit Ethernet modules to accommodate field upgrades	
4	The router should have minimum 4 GB DRAM scalable to 8 GB and 4 GB Compact Flash scalable to 8 GB from day one	
5	Router should have a minimum throughput of 100 Mbps or more with all services enabled	
6	Router should have DES, 3DES and AES Standards. Should support IPSec with IKEv2 and Suite-B Encryption. Router should support 3K GRE and IPSec Tunnels.	
7	Router should support static Routes, OSPFv2, OSPFv3, BGP4, MBGP, BFD, Policy based routing, IPv4 and IPv6 tunneling . Router should support 750K IPv4 and IPv6 routes.	
8	Router should support IGMP v1/v2/v3 and PIM multicast routing	
9	The Router should have MPLS and Zone Based Firewall feature from Day 1	
10	Shall have 802.1p class of service and marking, classification, policing and shaping.	
11	Router should support SSHv2, SNMPv2c, SNMPv3 and NTP	
12	Routers should support AAA using RADIUS and TACACS+	

13	Should support extensive support for IP SLA and best path selection for metrics like delay, latency, jitter, packet loss to assure business-critical IP applications.	
14	Router should support monitoring of network traffic with application level insight with deep packet visibility into web traffic, RTP-Based VoIP traffic and cRTP	
15	Router shall have traffic load balancing capability on dual WAN Links based on based on advanced criteria, such as reachability, delay, loss, jitter and bandwidth utilization.	
16	Router shall have capability to add on demand IPSec VPN tunnels to multiple remote locations dynamically without changing the configuration.	
17	Router shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
18	Router shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
19	Router/Router's Operating System should be tested and certified for EAL 3/NDPP or above under Common Criteria Certification	
20	Router should be IPv6 Certified/IPv6 logo ready	
21	3 Years onsite OEM Warranty	

Item No. 56 Stacking MODULES		
S. No	Generic Requirements	Complied/Not Complied
1	Minimum 48 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack	
2	Should be from same OEM of switches.	
3	3 Years Onsite OEM Warranty	

Item No.92/ Item No. 105 10G MMF MODULES		
S. No	Generic Requirements	Complied/Not Complied
1	Connector types LC	
2	10G Base-SR	
3	Support 10 Gbps upto 300 M on OM3 MMF	
4	Should be from same OEM of switches.	
5	3 Years Onsite Warranty	

Item No. 98 Router-DC		
S. No	Generic Requirements	Complied/Not Complied
1	Router should 1 RU with 24 Nos. 10/100/1000 Base-T WAN ports and additional 4 Nos. of 10 Gigabit SFP+ ports.	
2	Shall have 1:1 redundant internal and hot swappable AC power supply.	
3	Shall have minimum of 64 Gbps of throughput with wire rate forwarding for all asked ports.	
4	Shall have Static IPv4 and IPv6 routing, Inter VLAN Routing, OSPFv2, OSPFv3, IS-IS and BGPv4.	
5	Shall have minimum 4K for IPv4 and 4K IPv6 routes and 4K MPLS labels.	
6	Shall have minimum of 4K Ethernet flow points (EFP) or equivalent functionality.	
7	Shall have MPLS with RSVP and LDP signaling. It shall support MPLS FRR and L3VRF.	
8	Shall have MPLS based L3 and L2 VPN services, LSP ping and trace and SYNC Ethernet .	
9	Shall have IEEE 802.1ag and IEEE 802.3ah Ethernet OAM.	
10	Shall have ITU-T G.8032 Ethernet Ring Protection designed for loop protection and fast convergence times (sub 50 ms) in ring topologies.	
11	Shall have 802.1p class of service and marking, classification, policing and shaping.	
12	Shall support SSHv2, SNMPv2c, SNMPv3 and NTP	
13	Shall support AAA using RADIUS and TACACS+	
14	Shall Support multiple privilege level to provide different level of access on console port and telnet sessions.	
15	Shall support Port Spanning functionally for measurements using a networks analyzer.	
16	Shall support for console port Interface for configuration and diagnostics purposes.	
17	Router shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	

18	Router shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
19	Router / Router's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.	
20	Switch should be IPv6 Certified/IPv6 logo ready.	
21	Router shall have MEF-9 & 14 and CE2.0 or higher certification from authorized agencies.	
22	Router shall be NEBS certified and temp hardened with a range of -0 to 55 deg C.	
23	3 Years onsite OEM Warranty	

Item No. 100		
Core Switch - DC		
S. No	Generic Requirements	Complied/Not Complied
1	Switch should be a chassis based and should have minimum 4 interface slots and 2 supervisor slots.	
2	Switch should have minimum 96 no. of 10 Gig SFP+ ports and 8 nos. of 40 Gig QSFP ports day 1.	
3	Switch should have hot swappable 1:1 redundant internal power supply.	
4	Should have redundant and replaceable Supervisor / CPU, Management Modules, Replaceable Fabric Modules. The performance of the switch should not degrade in case of any failure.	
5	Chassis should support 100G interface line-cards for future connectivity requirement without any replacement in hardware configuration.	
6	Switch should have minimum 2.56 Tbps per interface slot throughput on Day 1. Switch should be scalable to support additional 96 x 10G Ports or 48 x 40G Ports.	
7	Switching system shall have minimum 32K MAC Addresses	
8	Switching system shall have minimum 1K Active VLANs	
9	Switch should support minimum 4K ACL's, 4K Multicast and 16K Unicast Routes for IPv4 and IPv6	
10	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3ae, 802.3ba, 802.3ab, 802.3z	
11	Should have static routing, OSPF, OSPFv3, BGP, IS-ISv4, HSRP for IPv6/VRRPv3 and VRF (Virtual routing and forwarding)	
12	Should support IGMP v1/v2/v3 and PIM multicast routing	

13	Switch shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.	
14	Switching system should support SSHv2, SNMPv2c, SNMPv3 and NTP	
15	Switching system should support AAA using RADIUS and TACACS+	
16	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
17	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
18	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP/In process or above under Common Criteria Certification	
19	Switch should be IPv6 Certified/IPv6 logo ready	
20	3 Years Onsite Warranty	

Item No. 102 Firewall		
S. No	Generic Requirements	Complied/Not Complied
1	General Hardware and Interface requirements	
1.1	The appliance based security platform should be capable of providing minimum 2 Gbps of Multiprotocol real world FW, IPS and Application Visibility throughput in a single appliance from day one.	
1.2	The appliance should have minimum 6 no. of 10/100/1000 Base-T Gigabit Ethernet ports and 1:1 redundant internal power supply.	
1.3	The appliance hardware should be a multicore CPU architecture with a hardened 64-bit operating system to support higher memory	
1.4	Firewall should have minimum 8 GB RAM and 8 GB Flash/250 GB HDD from day 1.	
1.5	Firewall should support stateful failover of sessions in Active/Standby and Active/Active mode	
2	Performance Requirements	
2.3	Firewall Should support DES, 3DES, AES IPSec VPN throughput of minimum 150 Mbps	
2.4	Firewall should support minimum 250 concurrent VPN peers both IPSec.	

2.5	Firewall should support at least 500,000 concurrent sessions	
2.6	Firewall should support at least 10,000 connections per second	
3	Routing Protocols	
3.1	Firewall should support static Routes, OSPFv2, OSPFv3 and BGP4	
3.2	Firewall should support PIM Multicast routing	
4	Firewall Features	
4.1	Firewall should support for Layer 3 and Layer 4 stateful firewall features, including access control, network address translation, and stateful inspection.	
4.2	Firewall should support creating access-rules with IPv4 & IPv6 objects simultaneously	
4.3	Firewall should provide application inspection for DNS, FTP, HTTP, SMTP, ESMTP, LDAP, MGCP, RTSP, SIP, SCCP, SQLNET, TFTP, H.323, SNMP etc.	
4.4	Firewall should be able to create access policies based on the User/group info from the Active Directory either through clientless or agent based mechanism.	
4.5	The Firewall should have an inbuilt URL filtering functionality with minimum of 75 pre-defined categories. The solution should support creation of custom URL categories for allowing/blocking specific destinations as required by the organization	
4.6	Should Support TLS/SSL Decryption without affecting the system performance.	
4.7	Uses the global footprint of security deployments for more comprehensive network protection. Global threat intelligence delivers regularly updated threat intelligence feeds for near-real-time protection from zero-day malware.	
4.8	Should be able to enforce access policy with 500 commonly used applications while providing granular access control. Application recognition should be based on signatures, heuristics, and content scanning, removing the need to tie applications to ports.	
5	VPN Features	
5.1	Firewall should support RFC 6379 based Suite-B Cryptography Suites/algorithms like AES-GCM/GMAC support (128-, 192-, and 256-bit keys), ECDH support (groups 19, 20, and 21), ECDSA support (256-, 384-, and 521-bit elliptic curves) for enhanced VPN security.	

5.2	Firewall should support latest IKEv2 standards for supporting SHA-2 256, 384 & 512 bit message integrity algorithms in hardware to ensure there is no performance bottleneck & higher security.	
6	IPS Features	
6.1	The proposed solution should support an option to include URL filtering for enforcing Internet content filtering so as to reduce web born threats and improve productivity.	
6.2	Should support Reputation- and category-based URL filtering offering comprehensive alerting and control over suspect web traffic and enforces policies on more than 280 million of URLs in more than 80 categories.	
6.3	The solution must be capable of passively gathering details unique to mobile devices traffic to identify a wide variety of mobile operating systems, mobile applications and associated mobile device hardware	
6.4	Should support more than 3000 application layer and risk-based controls that can invoke tailored intrusion prevention system (IPS) threat detection policies to optimize security effectiveness.	
7	System Management and Administration	
7.1	Firewall should support SSHv2, SNMPv2c, SNMPv3 and NTP	
7.2	Firewall should support AAA using RADIUS and TACACS+	
8	Regulatory Compliance	
8.1	Firewall shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment	
8.2	Firewall shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
9	Evaluation Compliance	
9.1	Firewall/ Firewall's Operating System should be tested and certified for EAL 4/NDPP or above under Common Criteria Certification or FIPS Level 2 Certifications	
9.2	Firewall/Firewall's Operating System should be IPv6 Certified/IPv6 logo ready	
10	3 Years onsite OEM Warranty	

Item No. 13/57/94/104/TABLE-5 Installation, Testing, Commissioning of Active Equipments		Complied/Not Complied
1	1.1 Installation, Testing and Commissioning at Ahmedabad 1.2 Installation, Testing and Commissioning at Kolkata 1.3 Installation, Testing and Commissioning at Vijayawada	
2	1.4 Installation, Testing and Commissioning at Delhi 1.5 Installation, Testing and Commissioning at Smaller Airports	

Item No. 14/ Item No.58/ Item No.103 Floor Mount 42U Rack		
	Generic Requirements	Complied/non Complied
1	Modularity and Scalability, conforms to DIN 41494, Load rating go 850 Kgs, Aluminum and CRCA construction , depth:800mm	
2	Door Steel 800W, 42 U, Perforated with Hex Perforation.	
3	Castor Ft Brake 100Kg.	
4	Fan housing Unit with 4 Fans 90CFM 230VAC	
5	PDU 5x15AMP with 10 Socket, Earthing Kit	
6	3 Years Onsite Warranty	

Item No.95 Floor Mount 24U Rack		
	Requirement:	Complied/ Not Complied
1	Modularity and Scalability to enable future expansion, conforms to DIN 41494, Aluminum and CRCA construction. Depth:600 mm ; 24U	
2	Castor Ft Brake 100Kg.	
3	Fan housing Unit with 4 Fans 90CFM 230VAC	
4	PDU 5x15AMP with 10 Socket, Earthing Kit	
5	3 Years Onsite Warranty	

Item No. 15 / Item No. 16 / Item No. 17/Item No. 59 / Item No.96/ Item No. 97 Wall Mount 15U/12U/9U/6U Rack		
	Requirement:	Complied/non Complied
1	Should be 15U/12U/9U/6U Height Rack and have 19" mounting bracket in front & rear and wall mountable with side panels, Front Glass Door with lock. Depth:600 mm	
2	Fans 90 CFM 230 VAC with 2 cooling fans on top	
3	PDU Horizontal 5 Amp with 6 sockets	
4	1U Wire Manager; Mounting Hardware	
5	3 Years Onsite Warranty	

Item No. 18 / Item No.60 / Item No.104 6 KVA UPS with Accessories		
S. No.	Generic Requirements	Complied /Not Complied
1	6 KVA Rack /Tower Convertible along with enclosure	
2	double-conversion mode technology	
3	Input Voltage 220V/230V	
4	Input Frequency :40-70 Hz	
6	Input Power Factor :0.95 or higher	
7	Output Power Capacity : 6.0 KWatts / 6.0kVA	
8	Nominal Output Voltage:220V/230 V	
9	Waveform :Sine wave	
10	Bypass Type :Internal Bypass (automatic & manual)	
12	Supported Battery Types :SMF / Flooded	
15	Operating Temp : 0 – 40°C	
16	Management Features :Smart slot for Cards, USB, RS232C	
18	Power Backup : Min. 15 Minutes at full load	
19	Accessories :Stand, PDU , Cables, External Battery Cabinet, Rack Mount rail kit Etc.	
20	Warranty :Two Years Onsite Warranty including batteries	
21	Noise<55 dB	
22	LCD Display : Yes	
23	UL Listed; Safety: UL1778; RFI/EMI: FCC Class A; Surge Immunity: IEEE/ANSI; Energy Star Qualified	
24	Installation of UPS	

Item No. 19/ Item No. 61 1 KVA UPS with Accessories		
S. No.	Generic Requirements	Complied /Not Complied
1	1 KVA Rack /Tower Convertible along with enclosure	
3	Input Voltage 220V/230V	
4	Input Frequency :50-60 Hz	
6	Input Power Factor :0.95 or higher	
7	Output Power Capacity : 670Watts / 1 kVA	
8	Nominal Output Voltage:220V/230 V	
9	Waveform :Sine wave	
10	Bypass Type :Internal Bypass (automatic & manual)	
12	Supported Battery Types :SMF / Flooded	
13	Operating Temp : 0 – 40°C	
14	Accessories :Stand, PDU , Cables Etc.	
15	Warranty :Two Years Onsite Warranty	

16	Noise<45 dB	
17	LCD Display : Yes	
18	UL Listed; Safety: UL1778; RFI/EMI: FCC Class A; Surge Immunity: IEC; Energy Star Qualified	
19	Installation of UPS	

Item No. 20/ Item No. 62 24 Core Fiber LIU Loaded		
	Generic Requirements	Complied/ Not Complied
1.1	24F, 1U, LC SM, with Pigtail, loaded with Splice tray & Couplers & Splice Protectors (Fiber Optic LC style fully loaded Patch Panel (FOPP), Pigtails shall comply: G.652.D, G.657.A1 and OS2	
1.2	19" Rack Mount with min 24 nos. of OS2 9/125µ Pigtails).	
1.3	Metal/Alloy housing, fully powder coated, Splice tray and cable spools, grooves for fixing splice protective sleeves (inbuilt or additionally). No. of OSP Cables for termination Minimum 2, The Patch Panel shall provide a minimum of four cable entry point	
1.4	2 Nos. of Earthing lugs (inbuilt or additionally), cable management rings, 6-port / 12 port /24 port adapter plates.	

Item No. 21 / Item No.63 12 Core Fiber LIU Loaded		
	Generic Requirements	Complied/ Not Complied
1.1	12F, 1U, LC SM, with Pigtail, loaded with Splice tray & Couplers & Splice Protectors (Fiber Optic LC style fully loaded Patch Panel (FOPP), Pigtails shall comply: G.652.D, G.657.A1 and OS2	
1.2	19" Rack Mount with min 12 nos. of OS2 9/125µ Pigtails).	
1.3	Metal/Alloy housing, fully powder coated, Splice tray and cable spools, grooves for fixing splice protective sleeves (inbuilt or additionally). No. of OSP Cables for termination Minimum 2	
1.4	1 Nos. of Earthing lugs (inbuilt or additionally), pre-loaded Front and rear cable management rings, 6-port / 12 Port adapter plates.	

Item No. 22 / Item No. 64 LC-LC SM OS2 Patch Cord		
	Generic Requirements	Complied/ Not Complied
1.1	LC-LC Style Single mode, LSZH, Sheath, Duplex Patch Cord, 3 Meter Fiber Optic Patch Cable (LC-LC), 1/2/3 Mtrs. Long, ISO/IEC-11801-OS2 9μ Duplex,	
1.2	RoHS compliant fiber optic patch cords shall include simplex or duplex LC, SC connectors on both ends.	
1.3	Cable Shall comply ANSI/ICEA S-83-596 and Telcordia GR-409	

Item No. 23/ Item No.65 12 Core Single Mode Fiber		
	Generic Requirements	Complied/Not Complied
1.1	12-core OFC , Unitube/Multi tube, MDPE/HDPE Sheath, Single Mode Cable	
1.2	(Fiber Optic Cable: ISO/IEC-1180, 9/125μ, OS2, AS PER ITU ITU/T 652D. BELLCORE GR 20 / IEC 794-1,Qualifies as per TIA-492CAAB	
1.3	Gel-Free Cable is tested in accordance with Telcordia GR-20. RoHS Compliance, Corrugated Steel tape Armor	
1.4	The Tensile rating: 2600 N, The Crush Resistance: 3000 N; The Attenuation be 0.34dB/km @ 1310nm and .22dB/km @ 1550nm.	

Item No. 24 / Item No. 25 / Item No.66 Jack Panel – loaded (8/24 Port)		
	Requirement:	Complied/Not Complied
1	Cat 6A U/UTP, 24-port unloaded Modular Straight Jack Panel. loaded with 8/24 nos. UTP ports for PCB based IO Jacks, 1U size.	
2	110 IDC Termination 90/180 degree Punch, allowing wires between 22 – 26 AWG sizes. Modular, PCB based and Keystone type Unshielded Twisted pair, EIA/TIA 568-C-2, UL Listed, RoHS. Current Rating” 1.5A @20°C or 68°F	
3	Cable Guide way to guide the cable on the rear side	
4	Jack Panel must be capable or supporting an upgrade to an intelligent system without any interruption or patch cord removal	

	Item No. 26/ Item No.27 / Item No.67/ Item No. 68 Cat 6A Patch Cord – 4 & 7 feet	
	Requirement:	Complied/Not Complied
1	4 & 7 Feet Cat 6A U/UTP Patch Cable, TIA- 568C Category-6A, UL-listed, ETL, RoHS	
2	Patch cords shall be of solid copper cable with UL/ETL Listed.	
3	Plug Insertion Life Min. 750 times	

	Item No.28 / Item No.69 Cat 6A UTP Information Outlet with Face Plate	
	Requirement:	Complied/Not Complied
1	Cat 6A UTP Jack PCB based Information Outlet (I/O) RJ45, TIA-568 C.2 Category-6A. UL Listed	
2	high-impact, flame-retardant, UL- RATED 94v 0 thermoplastic - ABS	
3	Contact Resistance: 100 milli ohms; Insulating resistance 500 Mega ohms minimum ;Current Rating : 1.5 A (max) , Contact : 50u" gold over 100u" nickel)	
4	Meets and exceeds ISO/IEC 11801:2002 Category 6 ,EIA/TIA 568-C.2 Category 6A ROHS compliant	
5	Single Port Faceplate of size 3x3. Material should be ABS /UL94 V-0 with spring shutter. Faceplates shall accept all Modules for UTP, STP, fiber-optic, and audio/video applications.	

	Item No. 29 / Item No.70 Cat 6A , U/UTP Cable Box -305 Mtrs.	
	Requirement:	Complied/ Not Complied
1	4-pair, Cat 6A UTP Cable, Channel performance up to 700 MHz or more, Category-6A with 4 connector.23 AWG bare solid copper	
2	Meets EIA/TIA 568-C.2 Category 6A specifications, Cat 6A UTP Solution Zero-bit error rate. Performance ETL Certificate. RoHS Compliant.	
3	Worst Case Cable Skew: 45 nsec/100 meters Characteristic Impedence: 100±6 Ω @ 1-500 MHz DC Resistance Max: 7.61 Ohms/100m, LSZH	
4	Sheath Fire retardant PVC Compound (FRPVC) Flame Rating : 60 deg. C As per UL 1685 CM, LSZH, Operational Temp: -20° to 60°	
5	PAIRS with Standard Color Code & length: 305 Mtrs (1000 ft.),	

	Item No.30 / Item No. 71 HDPE Pipe	
	Generic Requirements	Complied/Not Complied
1	32mm HDPE Pipe: With Rope and Good Quality as Per Industry Standard. Selected by AAI engineer in charge out of best available samples in the city.	

	Item No.31 GI Pipe	
	Generic Requirements	Complied/Not Complied
1	32mm GI Pipe: Class B, ISI Mark with end Couplers	

	Item No. 32/ Item No. 72 Cable Tray	
	Requirement:	Complied/Not Complied
1	Covered Cable Tray ; 200 mm with mounting kit/accessories	

	Item No. 33/ Item No.73 Conduit / Channel Conduit	
	Requirement:	Complied/Not Complied
1	25mm Conduit	

	Item No. 34 / Item No. 74 Conduit / Channel Conduit	
	Requirement:	Complied/Not Complied
1	25mm Conduit	

	Item No.35-48 / Item No.75-85 Services	
	Requirement:	Complied/Not Complied
1	Laying of HDPE Pipe (Wall)	As per Industry Standard
2	Laying of HDPE Pipe (Trench)	
3	Laying of HDPE Pipe (HDD)	
4	Laying Of Fiber Optical Cable	
5	Installation of LIU & Splicing of pigtails with labelling & Dressing of Fiber Patch Cords	
6	Laying of Cable Tray	
7	Laying of Conduit/ Channel Conduit	
8	Laying of UTP	
9	Installation of Jack Panel	
10	Installation & Dressing of 42 U Rack	
11	Installation & Dressing of 15 U Rack	
12	Installation & Dressing of 9 U Rack	
13	Installation & Dressing of 6 U Rack	
14	Fixing of Cat 6A UTP Information Outlet with Face Plate & Box	

Annexure-VIII

Sl.No.	<u>Details of the Vendor Firm/ Company</u>				
1	Name of the Company:				
2	Name of the Directors as per MoA:				
3	Name of the Authorized signatory:				
4	Email Address:				
5	Phone/Fax:				
6	Email Address for correspondence:				
7	Detail of EMD	Name of the Bank	Amount	Whether Scanned EMD Copy submitted on portal	
8	Turn Over of the company for last three years	FY-2017	FY-2016	FY-2015	Annualized
9	GST No.				
10	PAN				
11	Date of Incorporation of the Company as per MoA (Copy Attached /Uploaded)				
12	Proof of Execution of works	Name of the work	Po ref. with date	PO Amt.	Remarks
12.1	Similar Work Experience 1				
12.2	Similar Work Experience 2				
12.3	Similar Work Experience 3				
13	Date of completion of Certificates of the above said works	Name & Desig. of Signatory	Address	Contact number	Email Address
13.1	Similar Work Experience 1				
13.2	Similar Work Experience 2				
13.3	Similar Work Experience 3				
14	Tender Specific Authorization letters from OEM's as per tender requirement	Product	OEM with Address	Name of Signatory	Contact Number with Email Address
14.1					
15	Power of Attorney (Stamp Paper of Rs 100/-) in favor of signatory (attached)	Yes or No			
16	Acceptance letter as per Annexure-I (Attached/Uploaded)	Yes or No			
17	List of Client references Attached /Uploaded	Yes or No			

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Annexure-IX

INTEGRITY PACT

PRE CONTRACT INTEGRITY PACT

This Pact made thisday of between Airports Authority of India, a body corporate constituted by the Central Government under the Airports Authority of India Act,1994 and having its Corporate Office at Rajiv Gandhi Bhawan, New Delhi, and offices atin India, hereinafter called the Authority (which term shall unless excluded by or is repugnant to the context, be deemed to include its Chairman, or Member, Executive Directors, Airport Directors ,officers. or any of them specified by the Chairman in this behalf, and shall also include its successors and assigns) of the one part

AND

.....represented by of the other part, hereinafter called the " Bidder/Contractor " (which term shall unless excluded by or is repugnant to the context be deemed to include its heirs, representatives, successors and assigns of the Bidder/ Contractor)

WHEREAS the Authority intends to award, under laid down organizational procedures, tender/ contract for The Authority, while discharging its functions on business principles, values proper compliance with all relevant laws and regulations, and the principles of natural justice, ethics, equity, fairness and transparency in its relations with the Bidders/ Contractors.

WHEREAS the Authority is desirous to make its business mechanism more transparent, thus to ensure strict adherence of the aforesaid objectives/goals, the Authority hereby adopts the instrument developed by the renowned international non-governmental organization " Transparency International" (T I) headquartered in Berlin (Germany). The Authority will appoint an Independent External Monitor (IEM) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

AND WHEREAS the Bidder is submitting a tender to the Authority for In response to the NIT (Notice Inviting Tender) dated Contractor is signing the contract for execution of

NOW, therefore,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to

Enabling the Authority to obtain the desired said stores/equipment/execution of works at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling Authority to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain

from bribing and other corrupt practices and the Authority will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

1. Commitments of the Authority;

1.1 The Authority undertakes that no official of the Authority, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2 The Authority will, during the pre-contact stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.

1.3 All the officials of the Authority will report to the appropriate authority office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2.0 In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the Authority with full and verifiable facts and the same is prima facie found to be correct by the Authority, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the Authority and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the Authority the proceedings under the contract would not be stalled.

3. Commitments of Bidders/Contractor.

The Bidder/Contractor commits itself to take all measures necessary to prevent corrupt practice, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

3.1 The Bidder/Contractor will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Authority, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

3.2 (i) The Bidder/Contractor further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Authority or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Authority for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the

Authority.

3.2 (ii) The Bidder /Contractor has not entered and will not enter with other bidders into any undisclosed agreement or understanding ,whether formal or informal. This applies in particular to prices, specification, certifications, subsidiary contracts, submission or non-submission of bids or any actions to restrict competitiveness or to introduce cartelization in the bidding process.

3.3 The Bidder/Contractor shall, when presenting his bid, disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

3.4 The Bidder/Contractor shall when presenting his bid disclose any and all the payments he has made or, is committed to or intends to make to agents/brokers or any other intermediary, in connection with this bid/contract.

3.5 The Bidder/Contractor further confirms and declares to the Authority that the BIDDER is the original manufacturer/integrator/ authorized government sponsored export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the Authority or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

3.6 The Bidder/Contractor, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the Authority or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

3.7 The Bidder/Contractor will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

3.8 The Bidder/Contractor will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.9 The Bidder / Contractor shall not use improperly, for purposes of competition or personal gain ,or pass on to others, any information provided by the Authority as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The Bidder / Contractor also undertakes to exercise due and adequate care lest any such information is divulged.

3.10 The Bidder/Contractor will inform to the Independent External Monitor.

- i) If he receives demand for an illegal/undue payment/benefit.
- ii) If he comes to know of any unethical or illegal payment/benefit.
- iii) If he makes any payment to any Authority's associate(s)

3.11 The Bidder/Contractor commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.12 The Bidder/Contractor shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.13 If the Bidder/Contractor or any employee of the Bidder/Contractor or any person acting on behalf of the Bidder/ Contractor, either directly or indirectly, is a relative of any of the officers of the Authority, or alternatively, if any relative of an officer of the Authority has financial interest/stake in the Bidder's/Contractor's firm, the same shall be disclosed by the Bidder/Contractor at the time filing of tender. The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

3.14 The Bidder/Contractor shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Authority.

3.15 That if the Bidder/ Contractor, during tender process or before the award of the contract or during execution of the contract/work has committed a transgression in violation of section 2 or in any other form such as to put his reliability or credibility as Bidder/Contractor into question, the Authority is entitled to disqualify him from the tender process or to terminate the contract for such reason and to debar the BIDDER from participating in future bidding processes.

4. Previous Transgression

4.1 The Bidder/Contractor declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify Bidder's exclusion from the tender process.

4.2 The Bidder/Contractor agrees that if it makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason and he may be considered for debarment for future tender/contract processes.

4.3 That the Bidder/Contractor undertakes to get this Pact signed by the subcontractor (s) and associate(s) whose value of the work contribution exceeds Rs .5 Crores.(Rupees zero point five Crores.) and to submit the same to the Authority along-with the tender document/ contract before contract signing.

4.4. That sub-contractor(s)/ associate(s) engaged by the Contractor, with the approval of the Authority after signing of the contract, and whose value of the work contribution exceeds Rs 0.5 Crs. (Rupees Zero point five Crs.) will be required to sign this Pact by the Contractor, and the same will be submitted to the Authority before doing/ performing any act/ function by such subcontractor(s)/ associate(s) in relation to the contract/ work.

4.5 That the Authority will disqualify from the tender process all Bidder(s) who do not sign this Pact or violate its provisions or fails to get this Pact signed in terms of section 4.3 or 4.4 above.

4.6 That if the Contractor(s) does/ do not sign this Pact or violate its provisions or fails to get this Pact signed in terms of Section 4.3 or 4.4 above. Authority will terminate the contract and initiate appropriate action against such Contractor(s).

5. Earnest Money ,Security Deposit , Bank gurantee, Draft ,Pay order or any other mode

and its validity i/c Warranty Period, Performance guarantee/Bond.

While submitting bid ,the BIDDER shall deposit an EMD/SD/BG/DRAFT/PAY ORDER ETC I/C WARRANTY PERIOD,PG/BOND, VALIDITY ETC , which is as per terms and conditions and details given in NIT / tender documents sold to the Bidders.

6. Sanctions for Violations/Disqualification from tender process and exclusion from future Contacts.

6.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the Authority to take all or any one of the following actions, wherever required:- (i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue. (ii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER. (iii) If the Authority has disqualified / debarred the Bidder from the tender process prior to the award under section 2 or 3 or 4, the Authority is entitled to forfeit the earnest money deposited/bid security. (iv) To recover all sums already paid by the Authority, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than

India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the Authority in connection with any other contract or any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest. (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest. (vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the Authority resulting from such cancellation/rescission and the Authority shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

(vii) To debar the BIDDER from participating in future bidding processes for a minimum period of three years, which may be further extended at the discretion of the Authority.

(viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract. (ix) In case where irrevocable Letters of Credit have been received in respect of any contract signed by the Authority with the BIDDER, the same shall not be opened. (x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

(xi) That if the Authority have terminated the contract under section 2 or 3 or 4 or if the Authority is entitled to terminate the contract under section 2 or 3 or 4, the Authority shall be entitled to demand and recover from the contractor damages equivalent to 5% of the contract value or the amount equivalent to security deposit or performance bank guarantee, whichever is higher.

(xii) That the Bidder / Contractor agrees and undertakes to pay the said amount without protest or

demur subject only to condition that if the Bidder/Contractor can prove and establish to the satisfaction of the Authority that the disqualification / debarment of the bidder from the tender process or the termination of the contract after award of the contract has caused no damage to the Authority.

6.2 The Authority will be entitled to take all or any of the actions mentioned at para

6.1(i) to (xii) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

6.3 That if the Bidder/Contractor applies to the Authority for premature revocation of the debarment and proves to the satisfaction of the Authority that he has installed a suitable and effective corruption prevention system and also restored/recouped the damage, if any, caused by him, the Authority may, if thinks fit, revoke the debarment prematurely considering the facts and circumstances of the case, and the documents/evidence adduced by the Bidder/Contractor for first time default.

6.4 That a transgression is considered to have occurred if the Authority is fully satisfied with the available documents and evidence submitted alongwith Independent External Monitor's recommendations/suggestions that no reasonable doubt is m possible in the matter.

6.5 The decision of the Authority to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent External Monitor(s) appointed for the purpose of this Pact.

7. Allegations against Bidders/Contractors/ Sub-Contractors/ Associates:

That if the Authority receives any information of conduct of a Bidder/ Contractor or Sub-Contractor or of an employee or a representative or an Associates of a Bidder, Contractor or Sub- Contractor which constitute corruption, or if the Authority has substantive suspicion in this regard, the Authority will inform the Vigilance Department for appropriate action.

8. Independent External Monitor(s),

8.1. That the Authority has appointed competent and credible Independent External Monitor(s) for this Pact.

8.2 The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact. He will also enquire into any complaint alleging transgression of any provision of this Pact made by the Bidder, Contractor or Authority.

8.3. That the Monitor is not subject to any instructions by the representatives of the parties and would perform his functions neutrally and independently. He will report to the Chairperson of the Board of the Authority.

8.4 That the Bidder / Contractor accepts that the Monitor has the right to access without restriction to all project documentation of the Authority including that provided by the Bidder/Contractor. The Bidder/Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation including minutes of meeting. The

same is applicable to Sub - Contractors and Associates. The Monitor is under obligation to treat the information and documents of the Authority and Bidder/ Contractor / Sub- Contractors/ Associates with confidentiality.

8.5. That as soon as the Monitor notices, or believes to notice, a violation of this Pact, he will so inform the management of the Authority and request the management to discontinue or heal the violation, or to take other relevant action. The Monitor can in this regard submit his recommendations/ suggestions. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

8.6 That the Authority will provide to the Monitor sufficient information about all meetings among the parties related to the project provided such meetings could have an impact on the contractual relations between the Authority and the Contractor / Bidder. The parties offer to the Monitor the option to participate in such meetings.

8.7 That the Monitor will submit a written report to the Chairperson of the Board of the Authority within 2 weeks from the date of reference or intimation to him by the Authority and, should the occasion arise, submit proposals for correcting problematic situations.

8.8 That if the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Anti- Corruption Laws of India and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Department, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.9 The word 'Monitor' would include singular and plural.

9. Facilitation of Investigation.

In case of any allegation of violation of any provisions of this Pact or payment of commission, the Authority or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such Examination.

10. Law and Place of Jurisdiction.

That this Pact is subject to Indian Law. The place of performance and jurisdiction is the Corporate Headquarter /the Regional Headquarter / office of the Authority, as applicable.

11. Other Legal Actions

11.1 That the changes and supplements as well as termination notices need to be made in writing.

11.2 That if the Bidder / Contractor is a partnership or a consortium, this Pact must be signed by all the partners and consortium members or their authorized representatives.

12. Pact duration (Validity)

12.1 That this Pact comes into force when both the parties have signed it. It expires for the Contractor 12 months after the final payment under the respective contract, and for all other Bidders 3 months after the contract is awarded.

12.2. That if any claim is made / lodged during this period, the same shall be binding and continue to be valid despite the lapse of this Pact as specified herein before, unless it is discharged/determined by Chairman of the Authority.

12.3 That should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. Company Code of Conduct

Bidders are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behavior) and a compliance program for the implementation of the code of conduct throughout the company.

14. The parties hereby sign this Integrity Pact at _____ on _____

Buyer Name of the Officer Designation Deptt./Ministry/PSU Witness 1. _____ 2. _____	BIDDER CHIEF EXECUTIVE OFFICER Witness 1. _____ 2. _____
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ANNEXURE- X
PROFORMA FOR UNDERTAKING
[TO BE SUBMITTED WITH PRE-QUALIFICATION BID]

To,
Executive Director (IT)
Airports Authority of India,
Rajiv Gandhi Bhawan,
Safdarjung Airport, New Delhi 110003.

Name of Work: - "Name of the work as given in Schedule-A Sr. No. 1"

Tender No.: "Tender No. as given in Schedule-A Sr. No. 2"

Sub: Undertaking

Sir,

In compliance with the tender requirement for the above- referred work:

1. I/We undertake that, our firm or any of our firm's Partners or Directors have not been blacklisted and no case is pending and no complaint regarding irregularities is pending, in India or abroad, by any global international body like World Bank/International Monetary Fund/World Health Organization, etc. or any Indian State/Central Governments Departments or Public Sector Undertaking of India.
2. I/We undertake that, our firm possess the required tools, plants, skilled manpower, etc. required for execution of work as per scope of the tender. I/We also undertake that no part of the scope of work shall be sublet or outsourced to any third party without written consent from AAI.
3. I/We undertake that, our firm or its Partners or its Directors or Sole Proprietor do not have any outstanding dues payable to the Airports Authority of India.
4. I/We undertake that, the complete responsibility to carry out the works and their completion as per scope of the tender, shall be of our firm only.
5. I/We undertake that, our firm or our subsidiary firm or our parent firm has not submitted Alternate or partial bid(s).

Dated:

Signature of the authorized signatory

Name _____

Email _____

Stamp _____

ANNEXURE-XI

POWER OF ATTORNEY FORMAT FOR THE AUTHORIZED PERSON(S)

(Bidder shall submit irrevocable power of attorney on a non-judicial stamp paper of Rs.100/- Signed by authorized signatory as per Memorandum of Articles authorizing the persons, who are Signing this bid on behalf of the company)

BY THIS POWER OF ATTORNEY executed on _____ we _____
_____ a Company incorporated under the Provisions of companies Act, 1956 having its Registered Office at _____ (hereinafter referred to as the "Company") do hereby severally appoint, constitute and nominate _____ official(s) of the Company, so long as they are in the employment of the Company (hereinafter referred to as the "Attorneys") to sign agreement and documents with regard Bid No. _____ due on _____ invited by Airports Authority of India, Rajiv Gandhi Bhawan, Safdarjung Airport, New Delhi – 110 003 for "**Provision of Incident Command Management System (ICMS-Fire) with ARFF Vehicle SIMULATOR**" and to do all other acts, deeds and things the said Attorneys may consider expedient to enforce and secure fulfilment of any such agreement in the name and on behalf of the Company **AND THE COMPANY** hereby agrees to ratify and confirm all acts, deeds and things the said Attorneys shall lawfully do by virtue of these authorities hereby conferred.

IN WITNESS WHEREOF, this deed has been signed and delivered on the day, month and year first above written by Mr. _____ Authorized Signatory, duly authorized by the Board of Directors of the Company vide it's resolution passed in this regard.

By order of the Board

For _____
(_____)

Authorized Signatory

Witness:

- 1.
- 2.

Attorney Signature of Mr. _____

Attorney Signature of Mr. _____

(Attested)

(_____)
Authorized Signatory

ANNEXURE-XII

DETAILS OF STATUTORY TAXES

[illegible]

SCHEDULE-A**ADDEMDUM TO THE TENDER DOCUMENT****Name of Work: - Procurement of "Name of the work as given in Schedule-A Sr. No. 1"****Tender No.: "Tender No. as given in Schedule-A Sr. No. 2"****Note:** To be read in conjunction with the Terms & conditions (Section-I, Section-II, Section-III & Section-IV of the Tender against the sections referred below.

Sr. No.	Section	Para No.	Sub-Para No.	Text to be read as
1.	II	6, 11	6.1.1, 6.1.2, 11.1	"Tender Name: "Replacement and Augmentation of IT Network Equipments at Various AAI Offices" "
	III	1	1.1	
		Annexure	I,III,IV,V&VI I	
2.		Annexure	I,III,IV,V&VI I	AAI/CHQ/ITD/Active Equipments/2017-18 CPP Portal Reference No. -
3.	III	5	5.1	a) Rs.23,58,806/-
				b) Rupees Twenty Three Lakh Fifty Eight Thousand Eight Hundred Six Only
4.	IV	2	2.1	"20 Weeks"
5.	IV	5	5.1	a) "One Year Warranty" or
				b) "Unless specified otherwise in Tender Specifications"
6.	IV	7	7.5	"NIL"

Manager (IT)

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SCHEDULE-B**PRICE SCHEDULE**

Name of Work: - Procurement of "Name of the work as given in Schedule-A Sr. No. 1"
Tender No.: "Tender No. as given in Schedule-A Sr. No. 2"

Sl. No.	Item Description	Quantity	Units	Unit AMOUNT in INR (inclusive of all taxes)	TOTAL AMOUNT in INR (inclusive of all taxes)
1	2	3	4	5	6=3*5
1	Name of the Station : AHMEDABAD Router Type-1	1	Nos		
2	Core Switch -L3	2	Nos		
3	Distribution Switch-L3	2	Nos		
4	Wireless LAN Controller	1	Nos		
5	Wireless Access Point (Indoor)	12	Nos		
6	Edge Switch - 48 Port (Non-PoE)	4	Nos		
7	Edge Switch - 48 Port (PoE)	6	Nos		
8	Edge Switch - 24 Port (Non-PoE)	8	Nos		
9	Edge Switch - 8 Port (Non-PoE)	1	Nos		
10	10G SMF MODULES	48	Nos		
11	1G SMF MODULES	2	Nos		
12	1G UTP MODULES	36	Nos		
13	Installation , Testing & Commissioning of Active Equipments	1	Lot		
14	Floor Mount Rack 42 U (800 MM)	1	Nos		

15	Wall Mount Rack 15 U (600MM)	10	Nos		
16	Wall Mount Rack 9 U (600MM)	6	Nos		
17	Wall Mount Rack 6 U (450MM/600MM)	1	Nos		
18	UPS 6 KVA	1	Nos		
19	UPS 1 KVA	9	Nos		
20	LIU (24 Core) Fully Loaded Couplers & Adapters	9	Nos		
21	LIU (12 Core) Fully Loaded Couplers & Adapters	7	Nos		
22	Fiber Patch Cord (LC-LC)	38	Nos		
23	Fibre Optical cable 12 Core (SM)	12610	Meter		
24	Jack Panel (24 Port) Fully Loaded	28	Nos		
25	Jack Panel (8 Port) Fully Loaded	1	Nos		
26	Patch Cord (UTP) 4 Feet	680	Nos		
27	Patch Cord (UTP) 7 Feet	184	Nos		
28	I/O with Face Plate & Box.	112	Nos		
29	UTP CAT-6A (305 Mtr Box)	23	Nos		
30	HDPE Pipe	12610	Meter		
31	GI Pipe	200	Meter		
32	Cable Tray	800	Meter		
33	Conduit	200	Meter		
34	Channel Conduit	200	Meter		
35	Laying of HDPE Pipe (Wall)	610	Meter		
36	Laying of HDPE Pipe (Trench)	6000	Meter		
37	Laying of HDPE Pipe (HDD)	6000	Meter		

38	Laying Of Fiber Optical Cable	12610	Meter		
39	Installation of LIU & Splicing of pigtails with labelling & Dressing of Fiber Patch Cords	16	Nos.		
40	Laying of Cable Tray	800	Meter		
41	Laying of Conduit/ Channel Conduit	200	Meter		
42	Laying of UTP	7015	Meter		
43	Installation of Jack Panel	29	Nos.		
44	Installation & Dressing of 42 U Rack	1	Nos		
45	Installation & Dressing of 15 U Rack	10	Nos		
46	Installation & Dressing of 9 U Rack	6	Nos		
47	Installation & Dressing of 6 U Rack	1	Nos		
48	Fixing of Cat 6A UTP Information Outlet with Face Plate & Box	112	Nos		
49	Name of the Station : Kolkata Router Type-1	2	Nos		
50	Router Type-2	2	Nos		
51	Core switch -L3	4	Nos		
52	Edge Switch - 48 Port (Non-PoE)	4	Nos		
53	Edge Switch - 24 Port (Non-PoE)	16	Nos		
54	10G SMF MODULES	64	Nos		
55	1G UTP MODULES	34	Nos		
56	Stacking MODULES	2	Nos		
57	Installation , Testing & Commissioning of Active Equipments	1	Lot		
58	Floor Mount Rack 42 U (800 MM)	2	Nos		
59	Wall Mount Rack 12 U (600MM)	14	Nos		

60	UPS 6 KVA	2	Nos		
61	UPS 1 KVA	14	Nos		
62	LIU (24 Core) Fully Loaded Couplers & Adapters	4	Nos		
63	LIU (12 Core) Fully Loaded Couplers & Adapters	14	Nos		
64	Fiber Patch Cord (LC-LC)	90	Nos		
65	Fibre Optical cable 12 Core (SM)	3550	Meter		
66	Jack Panel (24 Port) Fully Loaded	21	Nos		
67	Patch Cord (UTP) 1 Meter	230	Nos		
68	Patch Cord (UTP) 2 Meter	170	Nos		
69	I/O with Face Plate & Box.	150	Nos		
70	UTP CAT-6A (305 Mtr Box)	16	Nos		
71	HDPE Pipe	3550	Meter		
72	Cable Tray	100	Meter		
73	Conduit	2000	Meter		
74	Channel Conduit	2000	Meter		
75	Laying of HDPE Pipe (Wall)	2650	Meter		
76	Laying of HDPE Pipe (HDD)	900	Meter		
77	Laying Of Fiber Optical Cable	3550	Meter		
78	Installation of LIU & Splicing of pigtails with labelling & Dressing of Fiber Patch Cords	18	Nos.		
79	Laying of Cable Tray	100	Meter		
80	Laying of Conduit/ Channel Conduit	2000	Meter		
81	Laying of UTP	4880	Meter		

82	Installation of Jack Panel	21	Nos.		
83	Installation & Dressing of 42 U Rack	2	Nos		
84	Installation & Dressing of 12 U Rack	14	Nos		
85	Fixing of Cat 6A UTP Information Outlet with Face Plate & Box	150	Nos		
86	Name of the Station : Vijyawada Router Type-2	1	Nos		
87	Core switch -L3	1	Nos		
88	Edge Switch - 48 Port (Non-PoE)	2	Nos		
89	Edge Switch - 24 Port (Non-PoE)	4	Nos		
90	Wireless Access Point (Indoor) with Power Injector	5	Nos		
91	10G SMF MODULES	12	Nos		
92	10G MMF MODULES	2	Nos		
93	1G UTP MODULES	14	Nos		
94	Installation , Testing & Commissioning of Active Equipments	1	Lot		
95	Floor Mount Rack 24U (600 MM) & Installation	1	Nos		
96	Wall Mount Rack 15 U (600MM) & Installation	1	Nos		
97	Wall Mount Rack 12 U (600MM) & Installation	1	Nos		
98	Name of the Station : Delhi Router - DC	2	Nos		
99	Router Type-2	2	Nos		
100	Core Switch – DC	2	Nos		
101	Edge Switch -24 Port (Non-PoE)	4	Nos		
102	Firewall	2	Nos		
103	Floor Mount Rack 42 U (800MM)	1	Nos		

104	UPS 6 KVA	1	Nos		
105	10G MMF MODULES	4	Nos		
106	Installation , Testing & Commissioning of Active Equipments	1	Lot		
107	Name of the Station : AAI Agatti Edge Switch - 24 Port (Non-PoE)	1	Nos		
108	Installation , Testing & Commissioning of Active Equipments	1	Lot		
109	Name of the Station : AAI Barapani Router Type-2	1	Nos		
110	Edge Switch -24 Port (Non-PoE)	1	Nos		
111	1G SMF Modules	1	Nos		
112	Installation , Testing & Commissioning of Active Equipments	1	Lot		
113	Name of the Station : AAI Belgaum Edge Switch - 24 Port (Non-PoE)	1	Nos		
114	Installation , Testing & Commissioning of Active Equipments	1	Lot		
115	Name of the Station : AAI Bhuj Edge Switch - 24 Port (Non-PoE)	1	Nos		
116	Installation , Testing & Commissioning of Active Equipments	1	Lot		
117	Name of the Station : AAI Gaya Router Type-2	1	Nos		
118	Edge Switch -24 Port (Non-PoE)	1	Nos		
119	1G SMF Modules	1	Nos		
120	Installation , Testing & Commissioning of Active Equipments	1	Lot		
121	Name of the Station :AAI Gwalior Router Type-2	1	Nos		

122	Edge Switch -24 Port (Non-PoE)	1	Nos		
123	1G SMF Modules	1	Nos		
124	Installation , Testing & Commissioning of Active Equipments	1	Lot		
125	Name of the Station :AAI Hubli Router Type-2	1	Nos		
126	Edge Switch -24 Port (Non-PoE)	1	Nos		
127	1G SMF Modules	1	Nos		
128	Installation , Testing & Commissioning of Active Equipments	1	Lot		
129	Name of the Station :AAI Jabalpur Router Type-2	1	Nos		
130	Edge Switch -24 Port (Non-PoE)	1	Nos		
131	1G SMF Modules	1	Nos		
132	Installation , Testing & Commissioning of Active Equipments	1	Lot		
133	Name of the Station :AAI Jamnagar Router Type-2	1	Nos		
134	Edge Switch -24 Port (Non-PoE)	1	Nos		
135	1G SMF Modules	1	Nos		
136	Installation , Testing & Commissioning of Active Equipments	1	Lot		
137	Name of the Station :AAI Kandla Router Type-2	1	Nos		
138	Edge Switch -24 Port (Non-PoE)	1	Nos		
139	1G SMF Modules	1	Nos		
140	Installation , Testing & Commissioning of Active Equipments	1	Lot		

141	Name of the Station :AAI Kangra Router Type-2	1	Nos		
142	Edge Switch -24 Port (Non-PoE)	1	Nos		
143	1G SMF Modules	1	Nos		
144	Installation , Testing & Commissioning of Active Equipments	1	Lot		
145	Name of the Station :AAI Kullu Router Type-2	1	Nos		
146	Edge Switch -24 Port (Non-PoE)	1	Nos		
147	1G SMF Modules	1	Nos		
148	Installation , Testing & Commissioning of Active Equipments	1	Lot		
149	Name of the Station :AAI Leh Router Type-2	1	Nos		
150	Edge Switch -24 Port (Non-PoE)	1	Nos		
151	1G SMF Modules	1	Nos		
152	Installation , Testing & Commissioning of Active Equipments	1	Lot		
153	Name of the Station : AAI Ludhiana Edge Switch - 24 Port (Non-PoE)	1	Nos		
154	Installation , Testing & Commissioning of Active Equipments	1	Lot		
155	Name of the Station :AAI Pondicherry Router Type-2	1	Nos		
156	Edge Switch -24 Port (Non-PoE)	1	Nos		
157	1G SMF Modules	1	Nos		
158	Installation , Testing & Commissioning of Active Equipments	1	Lot		

159	Name of the Station :AAI Porbandar Router Type-2	1	Nos		
160	Edge Switch -24 Port (Non-PoE)	1	Nos		
161	1G SMF Modules	1	Nos		
162	Installation , Testing & Commissioning of Active Equipments	1	Lot		
163	Name of the Station :AAI PortBalir Router Type-2	1	Nos		
164	Edge Switch -24 Port (Non-PoE)	1	Nos		
165	1G SMF Modules	1	Nos		
166	Installation , Testing & Commissioning of Active Equipments	1	Lot		
167	Name of the Station :AAI Rajamundhry Router Type-2	1	Nos		
168	Edge Switch -24 Port (Non-PoE)	1	Nos		
169	1G SMF Modules	1	Nos		
170	Installation , Testing & Commissioning of Active Equipments	1	Lot		
171	Name of the Station :AAI Shimla Router Type-2	1	Nos		
172	Edge Switch -24 Port (Non-PoE)	1	Nos		
173	1G SMF Modules	1	Nos		
174	Installation , Testing & Commissioning of Active Equipments	1	Lot		
175	Name of the Station :AAI Surat Router Type-2	1	Nos		
176	Edge Switch -24 Port (Non-PoE)	1	Nos		
177	1G SMF Modules	1	Nos		

178	Installation , Testing & Commissioning of Active Equipments	1	Lot		
179	Name of the Station :AAI Tirupati Router Type-2	1	Nos		
180	Edge Switch -24 Port (Non-PoE)	1	Nos		
181	1G SMF Modules	1	Nos		
182	Installation , Testing & Commissioning of Active Equipments	1	Lot		
183	Name of the Station :AAI Tuticorin Router Type-2	1	Nos		
184	Edge Switch -24 Port (Non-PoE)	1	Nos		
185	1G SMF Modules	1	Nos		
186	Installation , Testing & Commissioning of Active Equipments	1	Lot		
187	Name of the Station :AAI Bhubaneswar Router Type-2	1	Nos		
188	1G SMF Modules	1	Nos		
189	Installation , Testing & Commissioning of Active Equipments	1	Lot		
190	Name of the Station :AAI Goa Router Type-2	1	Nos		
191	1G SMF Modules	1	Nos		
192	Installation , Testing & Commissioning of Active Equipments	1	Lot		
193	Name of the Station : AAI Pathankot Edge Switch - 24 Port (Non-PoE)	1	Nos		
194	Installation , Testing & Commissioning of Active Equipments	1	Lot		
195	Name of the Station : AAI Pantnagar Edge Switch - 24 Port (Non-PoE)	1	Nos		

196	Installation , Testing & Commissioning of Active Equipments	1	Lot		
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Note:

- 1 **Form D (etc.) for concessional duty shall not be applicable for AAI for exemption or reduction in Govt. Duties.**
- 2 **Service Tax on the applicable items at current prevailing rate shall be furnished by the bidder.**
- 3 **In E-tendering portal, there may be short description of Products/ items as described above due to constraint of space, for details refer Tender Document or description in detail on portal.**

AUTHORIZED SIGNATURE

NAME OF THE SIGNATORY

**NAME & ADDRESS OF THE
TENDERER**

**To,
Manager (IT)**