



AIRPORTS AUTHORITY OF INDIA
IT Division, Regional Head Quarters, Eastern Region,
NSCBI Airport, Kolkata

TENDER DOCUMENT

Name of Work	:	Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport
Estimated Cost	:	₹ 1,23,29,755.00 (Excluding GST)
Time Period	:	90 Days (Excluding Comprehensive AMC Period)
Last Date & Time of Submission	:	Up To 12.07.2022 (1800 Hrs.)
Cost of Tender Documents	:	₹ 1,770.00 (Non – refundable)
Tender Ref. No.	:	AAI/ER/IT/NIT/2022-23/02
Tender ID No.	:	2022_AAI_120212_1

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Section – I: Notice Inviting Tender

1. Airports Authority of India invites sealed tenders from OEM or Authorized System Integrator/ Channel Partners/ Supplier of the OEM for **“Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport”** as per the details given below.

S. No.	Name of the work	Estimated Cost (INR) excluding GST	EMD Amount (INR)	Tender Fee (INR)
1	Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport	₹ 1,23,29,755.00	₹ 2,46,595.00	₹ 1,770.00

2. The Tender Fee (Cost of Tender) of the value of **₹ 1,770.00 (Rupees One Thousand Seven Hundred and Seventy Only)** shall be deposited online through Payment Gateway in CPP Portal or through Net Banking or through NEFT/RTGS Payment Gateway integrated /mapped with CPP Portal.

Firms that are eligible for waiver of Tender Fee (Cost of Tender), such as MSE's of relevant category, have to upload scanned copy of documents in support of this exemption. No other instrument shall be accepted for Tender fee.

3. The EMD of the Value of **₹ 2,46,595.00 (Rupees Two Lakh Forty-Six Thousand Five Hundred and Ninety-Five Only)** shall be deposited online through Payment Gateway in CPP Portal or through Net Banking or through NEFT/RTGS Payment Gateway integrated /mapped with CPP Portal.

Firms that are eligible for EMD, such as MSE's of relevant category, have to upload scanned copy of documents in support of this exemption along with scanned copy of duly signed & stamped Earnest Money Declaration on their company letterhead as per Annexure – II. No other instrument shall be accepted for EMD.

4. **Benefits to micro & small enterprises (MSEs)**

As per MSMED Act 2006 & provision (para 10) of Public Procurement Policy order 2012 & amendment till date.

Exemption from paying Tender Fee & Earnest Money Deposit:

Micro and small enterprises (MSEs) – registered with NSIC or District Industries Centres or khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicraft and Handloom or any other body specified by the Ministry of Micro, Small and Medium Enterprises as MSMED Act, 2006 for goods produced and services rendered – shall be issued Tender Documents free of cost. As per latest DoE OM No F/9/4/2020-PPD dated 12.11.2020, EMD is not applicable for this particular Tender for all bidders.

Price Preference:

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. **If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of this Policy. In respect of bid for Services, the bidder must be the Contractor of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.**

As it's a Turnkey Project, the **Work shall be Non-divisible in nature** & Purchase Price Preference shall be given to MSE Supplier over Non-MSE Supplier as per following procedure:

1. If L-1 is not an MSE and MSE Supplier (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract shall be awarded to such MSE Supplier subject to matching the L-1 Price.
2. In case such lowest eligible MSE Supplier fails to match the L1 price, the MSE Supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly.
3. In case none of the MSE Supplier within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
4. In case of any conflict, purchase preference to "MSE Supplier" shall be given priority over Class-I local Supplier.

Documentary Evidences to be provided:

The benefit as above to MSEs shall be available only for goods/ services produced and provided by MSEs for which they are registered.

MSEs seeking exemption and benefits shall upload a self-attested copy of valid registration certificate for MSE like NSIC, Udyog Aadhar etc as mentioned above on the CPP Portal, failing which their bid shall be passed over as ineligible for the benefits applicable to MSEs.

5. Public Procurement (Preference to Make in India):

5.1. The Bid is reserved to be procured from Class-I local supplier' only as defined in the GoI Order No P-45021/2/2017-PP (BE-II) Dated 04.06.2020, Dated 16.09.2020 & subsequent notification issued by GoI.

5.2. As it's a Turnkey Project, the **Work shall be Non-divisible in nature**.

6. Local Content Certificate:

6.1. If the Estimated Cost of Tender is below or equal to Rs. 10 Crores, then the Bidder must submit self-certification for Local Content as per Annexure – VIII on a Non-Judicial Stamp Paper Costing Rupees 100/- (One Hundred Only). All the Pages of the Document must be signed by the certifying authority.

6.2. Else, when the Estimated Cost of Tender is above Rs. 10 Crores, then the Bidder must submit the Certificate of Local Content as per Annexure – VIII on a Non-Judicial Stamp Paper Costing Rupees 100/- (One Hundred Only) from a Statutory Auditor or Cost Auditor of the Company (in case of Companies) or from a practicing Cost Accountant or practicing Chartered Accountant (in respect of Suppliers other than Companies) giving percentage of the Local Content. All the Pages of the Document must be signed by the certifying authority. (Not Applicable for this Tender)

6.3. Self-certification must be supported by Local Content % declaration along with the address of the Factory location where the value addition is being made by the OEM / bidder on OEM's / bidder's letterhead for line Items in scope.

6.4. False declaration will be breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred upto two years as per Rule 151 (iii) of the General Financial Rules along with such others actions as may be permissible under law. The Supplier / OEM who has been debarred by any procuring entity for violation for aforesaid clause, shall not be eligible for preference for the duration of the debarment.

6.5. Bidders offering imported products cannot claim services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc as local value addition.

6.6. Percentage of Local Content shall be calculated on the Supply/SITC items of the 'Schedule – A' as per the formula provided below-

Local Content Percentage = $\frac{((\text{Sale price of "X1"} - \text{Value of imported content in "X1"}) + (\text{Sale price of "X2"} - \text{Value of imported content in "X2"}) + \dots + (\text{Sale price of "XN"} - \text{Value of imported content in "XN"}))}{(\text{Sale price of "X1"} + \text{Sale price of "X2"} + \dots + \text{Sale price of "XN"})} \times 100$

6.7. As per the GoI Order No P-45021/2/2017-PP (BE-II) Dated 04.06.2020, Dated 16.09.2020 & subsequent notification issued by GoI, "Sale Price" means price excluding net domestic indirect taxes and "Value of imported content" means price of imported content inclusive of all custom duties.

6.8. Reciprocity Clause:

If it comes to the notice of AAI that, any suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, AAI may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and / or other items.

For this purpose, a supplier or bidder shall be considered to be from a country if;

- (i) the entity is incorporated in that country; or
- (ii) a majority or its shareholding or effective control of the entry is exercised from that country; or
- (iii) more than 50% of the value of the item being supplied has been added in that country.

7. Prior Registration of Bidders from Border Sharing Countries:

Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority as per GoI Order No. F.No. 6/18/2019PPD Dated 23.07.2020 & subsequent notification issued by GoI.

8. The Bill of Material for the Worksites are given in Schedule A: Schedule of Anticipated Quantities of this tender document.

9. This tender is invited through electronic tendering process and can be downloaded from the Central Public Procurement Portal (CPP Portal) with URL address "<http://etenders.gov.in>". Please note that the submission of the tender is only through the CPP 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 CPP 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 CPP Portal for guidelines, procedures & system requirements. In case of any technical difficulty, bidders may contact on the following help desk numbers & email ids.

9.1. For any technical related queries please call the Helpdesk. The 24 x 7 Help Desk Number 0120-4200462, 0120-4001002, 0120-4001005, and 0120-6277787. International Bidders are requested to prefix 91 as country code.

Note-Bidders are requested to kindly mention the URL of the Portal and Tender id in the subject while emailing any issue along with the Contact details. For any issues/ clarifications relating the tender(s) published kindly contact the respective Tender Inviting Authority.

Tel: 0120-4001002, 0120-4001005, 0120-6277787 **E-Mail:** support-eproc@nic.in

9.2. For any Policy related matter / Clarifications Please contact Dept of Expenditure, Ministry of Finance.
E-Mail: cphp-doe@nic.in

9.3. For any technical Issues / Clarifications relating to the publishing and submission of AAI tender(s)

9.3.1. In order to facilitate the Vendors / Bidders as well as internal users from AAI, help desk services have been launched between 0800-2000 hours for the CPPP under GePNIC <https://etenders.gov.in>. The help desk services shall be available on all working days (Except Sunday and Gazetted Holiday) between 0800-2000 hours and shall assist users on issues related to the use of Central Public Procurement Portal (CPPP).

9.3.2. Before submitting queries, bidders are requested to follow the instructions given in “Guidelines to Bidders” and get their computer system configured according to the recommended settings as specified in the portal at “System Settings for CPPP”.

9.3.3. In case of any technical issues faced, the escalation matrix is as mentioned below:

Sl. No.	Support Persons	Escalation Matrix	E-Mail Address	Contact Numbers	Timings*
1.	Technical Help Desk Team	Instant Support	eprochelp@aai.aero	011-24632950, Ext-3512	0800-2000 Hrs. (MON – SAT)
2.	Sh. Sanjeev Kumar, Sr. Mgr. (IT)	After 4 Hrs. of Issue	etendersupport@aai.aero or sanjeevkumar@aai.aero	011-24632950, Ext-3523	0930-1800 Hrs. (MON-FRI)
3.	Sh. Dharmendra Kumar Jt. GM (IT)	After 12 Hrs.	dkumar@aai.aero	011-24632950 Ext. 3527	0930-1800 Hrs. (MON-FRI)
4.	General Manager (IT)	After 03 Days	gmitichq@aai.aero	011-24657900	0930-1800 Hrs. (MON-FRI)

***The Helpdesk services shall remain closed on all Govt. Gazetted Holidays.**

9.3.4. The above-mentioned help desk numbers are intended only for queries related to the issues on e-procurement portal and help needed on the operation of the portal. **For queries related to the tenders published on the portal, bidders are advised to contact concerned Bid Manager of AAI.**

10. E-bids shall be submitted in 3 bids system as follows:

Eligibility bid	Tender fee or Tender fee Exemption Certificate & Earnest Money or Earnest Money Exemption Certificate along with duly signed & stamped Earnest Money Declaration on their company letterhead as per Annexure – II.
Technical bid	The Technical e-Bid documents through CPP Portal
Financial bid	The Financial e-Bid documents through CPP Portal

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

S. No	Activity	Date	Time
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1	Published Date	30.06.2022	1830 Hrs
2	Bid Document Download / Sale Start Date	01.07.2022	0930 Hrs
3	Bid Document Download / Sale End Date	12.07.2022	1800 Hrs
4	Clarification Start Date	01.07.2022	0930 Hrs
5	Clarification End Date	04.07.2022	1800 Hrs
6	Bid Submission Start Date	01.07.2022	0930 Hrs
7	Bid Submission End Date	12.07.2022	1800 Hrs
8	Bid Opening Date (Envelop – I)	14.07.2022	1100 Hrs
9	Bid Opening Date (Envelope – III) – Financial Bids	25.07.2022	1100 Hrs

12. Bid Opening Process:

Envelop – I	The Eligibility bids shall be opened on 14.07.2022 (1100 Hrs.). The intimation regarding acceptance/ rejection of their bids will be intimated to the contractors/firms through CPP Portal.
Envelop – II	The Technical bids found to be meeting the qualifying requirements shall be opened depending on Envelope – I evaluation.
Envelop – III	The Financial bids found to be meeting the qualifying requirements shall be opened depending on Envelope – II evaluation & shall be opened on 25.07.2022 (1100 Hrs). Date & Time of Reverse Auction will be intimated after opening of Financial Bid.

13. Worksites for the project shall be as Rourkela Airport, Rourkela Odisha 769001.

The Supply & Services shall be made at the Worksite without any delivery & other charges on AAI & the Contractor shall be liable to render the Services required at the worksite without any additional Financial Obligation to AAI.

14. A prospective bidder requiring any clarification of the tender document may request AAI, through CPP Portal well before the due date of query / clarification process and a response to the same shall be published on CPP Portal. Any changes in the tender conditions in response to the vendor queries shall be published separately as a corrigendum to the tender document on CPP Portal.

15. All Clarifications issued shall become integral part of the tender. All Queries from Bidders & their clarifications shall be posted on CPP Portal followed by corrigendum to the tender document if any of the tender conditions are altered by the Query response.

16. AAI reserves the right to accept or reject any or all applications without assigning any reasons. AAI also reserves the right to call off tender process at any stage without assigning any reason.

Issued by:

Joint General Manager (IT) - ER, RHQ ER
O/o Regional Executive Director – Eastern Region,
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(For and on Behalf of Chairman, AAI)

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Section – II: Instructions to Bidders

1. **Definitions:**

- 1.1. "AAI / The Buyer" means the Airports Authority of India.
- 1.2. "Bidder" (including the term 'tenderer', 'consultant' or 'vendor' or 'service provider' in this contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- 1.3. "Bidder from a country which shares a land border with India" means: -
 - 1.3.1. An entity incorporated, established or registered in such a country; or
 - 1.3.2. A subsidiary of an entity incorporated, established or registered in such a country; or
 - 1.3.3. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - 1.3.4. An entity whose beneficial owner is situated in such a country; or
 - 1.3.5. An Indian (or other) agent of such an entity; or
 - 1.3.6. A natural person who is a citizen of such a country; or
 - 1.3.7. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

The beneficial owner for the purpose of (1.3) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.
Explanation—
 - a) "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
 - b) "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
 2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- 1.4. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

- 1.5. "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.
- 1.6. "The Supplier / Contractor" means the individual or firm taking up the work as defined under the Notice Inviting Tender.
- 1.7. "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.
- 1.8. "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.
- 1.9. "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.
- 1.10. "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.
- 1.11. "Non-responsive Bid" means a bid, which is not submitted as per the instructions to the bidders or Earnest Money Deposit declaration has not been attached, or the required data has not been provided with the Bid or intentional errors have been committed in the Bid.
- 1.12. "CPP Portal" means, a Central Public Procurement Portal specified throughout this document is the online system for Bidders to submit their Tender packages.
- 1.13. "EMD" refers to the Earnest Money Deposit to be submitted by the bidder.
- 1.14. "CCA India" refers to the Controller of Certifying Authorities (CCA), Ministry of Electronics & Information Technology, Government of India.
- 1.15. "BOQ" refers to Bill of Quantity.
- 1.16. "NIT" refers to Notice Inviting Tender.
- 1.17. "OEM" refers to the Original Equipment Manufacturer.
- 1.18. "SAT" refers to Site Acceptance Test.
- 1.19. "Gol" refers to Government of India.
- 1.20. "Local Content" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.
- 1.21. 'Class-I local supplier' means a supplier or Contractor, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-I local supplier'. As per

Gol Order No P-45021/2/2017-PP (BE-II) Dated 16.09.2020, the local content requirement to categorize a supplier as 'Class-I local supplier' is minimum 50%.

- 1.22. 'Class-II local supplier' means a supplier or Contractor, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-II local supplier' but less than that prescribed for 'Class-I local supplier'. As per Gol Order No P45021/2/2017-PP (BE-II) Dated 16.09.2020, the local content requirement to categorize a supplier as 'Class-II local supplier' is minimum 20%.
- 1.23. 'Non – Local supplier' means a supplier or Contractor, whose goods, services or works offered for procurement, has local content less than that prescribed for Class-II local supplier. As per Gol Order No P-45021/2/2017-PP (BE-II) Dated 16.09.2020, the local content requirement to categorize a supplier as 'Class-II local supplier' is minimum 20%.
- 1.24. 'L1' means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.
- 1.25. 'Margin of purchase preference' means the maximum extent to which the price quoted by a "class-I local supplier"/ "MSE Supplier" may be above the L1 for the purpose of purchase preference.
- 1.26. 'Nodal Ministry' means the Ministry or Department identified pursuant to Gol Order No P45021/2/2017-PP (BE-II) Dated 16.09.2020 in respect of a particular item of goods or services or works.
- 1.27. 'Procuring entity' means a Ministry or Department or attached or subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the companies Act.
- 1.28. 'Works' means all works as per Rule 130 of GFR-2017, and will also include 'turnkey works'.

2. Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://etenders.gov.in/eprocure/app>

2.1. Registration

- 2.1.1. Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: <https://etenders.gov.in/eprocure/app>) by clicking on the link "Online bidder Enrolment" on the CPP Portal which is free of charge.
- 2.1.2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 2.1.3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

2.1.4. 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 Authority recognized by CCA India (e.g. Sify / nCode / eMudra etc.), with their profile.

2.1.5. A bidder should register only one valid DSC. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

2.1.6. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

2.2. Searching for Tender Documents

2.2.1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

2.2.2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.

2.2.3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

2.3. Preparation of Bids

2.3.1. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

2.3.2. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

2.3.3. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents and keep it as a repository.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

2.4. Submission of Bid

- 2.4.1. Bidder should take into account any corrigendum/s (if any) published on the tender document for preparation of bid.
- 2.4.2. Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2.4.3. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 2.4.4. Bidder has to select the payment option as “online mode” to pay the tender fee as applicable and shall deposit the Tender fee through the Integrated / mapped Gateway in CPP Portal.
- 2.4.5. 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 white coloured (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.
- 2.4.6. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 2.4.7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. Unauthorized persons cannot view the data entered until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers’ public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 2.4.8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 2.4.9. Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the Portal), the Portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 2.4.10. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.
- 2.4.11. No bidder firm or its subsidiary firm or its parent firm shall be allowed to submit alternate bids. Such bids shall be summarily rejected.

2.5. Assistance to Bidders

2.5.1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

2.5.2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

2.6. Conflict of interest among bidders/agents

2.6.1. A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practises to the detriment of Procuring Entity's Interests. The Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this bidding process if;

- a) They have controlling partners (s) in common; or
- b) They receive or have received any direct or indirect subsidy/financial stake from any of them; or
- c) They have the same legal representative/agent for purposes of this bid; or
- d) They have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder; or
- e) Bidder participates in more than one bid in this bidding process. Participation by a bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/subassembly/assemblies from one bidding manufacturer in more than one bid.
- f) Bidder or any or its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid;
- g) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidder must proactively declare such sister/common business /management units in same/similar line of business.

3. Eligibility Criteria:

Bidders shall upload scanned copy of following documents in readable form at e- tendering Portal corresponding to each criterion mentioned below.

3.1. Envelop – I: Eligibility Bid

Bidders shall upload self-certified scanned copies of documentary evidences in readable form at e- tendering Portal corresponding for each criterion mentioned below.

1. Tender fee as mentioned in "Section – I: Notice Inviting Tender"

OR,

Tenderer/ Firm seeking exemption on account of MSME/ NSIC / Udyog Aadhar/ other Exemption registration shall upload copy of valid registration certificate as per GoI rules for purpose of verifying their claim for exemption of Tender fee in Envelop-I.

2. Earnest Money Deposit as mentioned in "Section – II: Notice Inviting Tender"

OR,

Tenderer/ Firm seeking exemption on account of MSME/ NSIC / Udyog Aadhar/ other Exemption registration shall upload copy of valid registration certificate as per Gol rules for purpose of verifying their claim for exemption of EMD along with Earnest Money Declaration as per Annexure - II in Envelop-I.

3. Tenders not accompanied by the requisite Tender fee or valid proof as per Gol for exemption from Tender fee shall be rejected.
4. Tenders not accompanied by the requisite EMD or valid proof as per Gol for exemption from Earnest Money deposit along with Earnest Money Declaration as per Annexure - II shall be rejected.

3.2. Envelop – II: Technical Bid:

Bidders shall upload self-certified scanned copies of documentary evidences in readable form at e-tendering Portal corresponding for each criterion mentioned below. Uploading of application in location other than specified above shall not be considered. Hard copy of application shall not be entertained.

1. **Checklist – I:** Duly filled up Checklist as per Annexure – I.
2. **Unconditional Acceptance Letter:** Unconditional Acceptance of all tender condition as per AAI Format as per Annexure – III must be submitted on their company letterhead.
3. **Undertaking:** Bidder shall not be black listed or should not have a pending case or pending complaint of irregularity 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. Bidder is required to submit an undertaking in this regard on their company letterhead as per AAI format as per Annexure - IV.

If the claim of the bidder is found to be wrong or the bidder is blacklisted by any of these agencies during the bid evaluation process his bid is liable to be rejected at that stage.

4. **Power of Attorney:** Power of Attorney on a Non-Judicial Stamp Paper Costing Rupees 100/- (One Hundred Only) as per Annexure - V 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 must be submitted.
5. **Tender Acceptance:** The bidder must submit a signed & Stamped copy of Tender Acceptance Letter on their company letterhead as per AAI format as per Annexure – VI.
6. **Integrity Pact:** Bidder must submit Integrity Pact as per Annexure – VII on a Non-Judicial Stamp Paper Costing Rupees 100/- (One Hundred Only). All pages of Integrity Pact are to be signed by the same signatory who signed the bid, i.e. who is duly authorized to sign the bid and to make binding commitments on behalf of his company. **(Not Applicable for this Tender)**
7. **Local Content Certificate:** The Bidder must submit self-certification for Local Content as per Annexure – VIII on a Non-Judicial Stamp Paper Costing Rupees 100/- (One Hundred Only). All the Pages of the Document must be signed by the designated executive.

Self-certification must be supported by Local Content % declaration along with the address of the Factory location where the value addition is being made by the OEM / bidder on OEM's / bidder's letterhead for line Items in scope.

False declaration will be breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred upto two years as per Rule 151 (iii) of the General Financial Rules along with such others actions as may be permissible under law. The Supplier / OEM who has been debarred by any procuring entity for violation for aforesaid clause, shall not be eligible for preference for the duration of the debarment.

8. **Land Border share Compliance Certificate:** The bidder must submit a signed & Stamped copy of Compliance Acceptance Letter on their company letterhead as per Annexure – IX.
9. The Bidder must have valid GST, PAN, EPF & ESIC Registration Number in India or any regulatory requirement in that region. Attested Copy of the Document GST, PAN Card, EPF Registration, ESIC Registration must be uploaded.
10. The Bidder must be an individual IT / IT Service / ITES Company registered in India under the Companies Act, 1956, or partnership registered under the Indian Partnership Act 1932 or Limited liability/ partnership firm registered under the Limited Liability Partnership Act 2008. Memorandum of Association or Partnership Deed or Proprietorship Deed as the case may be, attested Copy of the same must be uploaded.
11. **Work Experience Value Criteria:** Bidder should have successfully completed similar work or better (higher) requirements, with WO values excluding GST/Other Taxes as below: -
 - a. One Work Order of value equal to 80% or more of the estimated Cost excluding GST, i.e. ₹ **98,63,804.00 (Ninety-Eight Lakh Sixty-Three Thousand Eight Hundred and Four) only** or more; OR;
 - b. Two Separate Works Orders, each for a value equal to 50% or more of the estimated cost excluding GST, i.e. ₹ **61,64,878.00 (Sixty-One Lakh Sixty-Four Thousand Eight Hundred and Seventy-Eight) only** or more; OR;
 - c. Three Separate Work Order, each for a value equal to 40% or more of the estimated cost excluding GST, i.e. ₹ **49,31,902.00 (Forty-Nine Lakh Thirty-One Thousand Nine Hundred and Two) only** or more.
 - d. The above criteria are excluding Taxes/GST/other charges & should be completed in last 7 years, for Government Departments or Public Undertakings or Private Sector.
 - e. Similar Work shall mean **“Supply, Installation, Testing & Commissioning of IT Network Components”**.
 - f. **Proof of Satisfactory Service:** Bidder shall submit Work Order along with Work Completion Certificate in respect of the experience of works claimed by bidder against execution of works listed above.

- g. In case of experience of Private Sectors, Bidder has to submit TDS Certificate issued by the Customer in support of payment received and execution of work.
- h. Notarized translation Shall be submitted if language of any of the above documents is any language other than English.

12. **Average Annualized Financial Turnover:** Vendor should have annualized average financial turnover of at least 30% of the estimated cost i.e. ₹ 36,98,927.00 (Thirty-Six Lakh Ninety-Eight Thousand Nine Hundred and Twenty-Seven) only or more during last 3 years ending 31st March of previous financial year.

As a proof of financial turn over, copy of UDIN generated abridged Balance Sheet duly certified by Chartered Accountant along with profit or loss account of the Bidder for the last three year should be submitted. The documents submitted by bidder without UDIN Number shall not be considered & their Bid are liable for rejection.

In case of System Integrator or Authorized Representative (AR) of OEM, Credentials (financial turnover & experience as mentioned above) of System Integrator or the authorized representative only will be considered for evaluating eligibility criteria.

13. The bidder must be an Original Equipment Manufacturer (OEM) / Authorized System Integrator / Channel Partners / Business Partner/ Authorised Reseller of OEM.

The Bidder must submit Tender Specific OEM Certificate or Tender Specific Authorization letter or Manufacturers Authorization Certificate from OEM as per Annexure – XX for the following items on their Letterhead: -

- All types of Cameras & NVR
- UTM
- Switches & accessories
- Wireless Access point
- UPS
- Display Screen / LFD
- Passive Components like Cat6A Cable, OFC, LIU, Jack Panel, I/O etc.
- Racks

(if tender is being submitted on behalf of the OEM)

Extension of support by OEM for the specified warranty period must mandatorily be mentioned in the said document.

In case of OEM, proof of being Original Equipment Manufacturer (OEM) (letter from the authorized signatory) shall be submitted along with the confirmation of extending the required warranty for the product.

An OEM is identified as the company that holds title to the Intellectual Property Rights of the supplied components/items/technology or brand.

14. **Technical Specification Compliance:** Bidder Shall furnish, as part of his bid, documents establishing the conformity of his bid to the Bid document of all items & Services, which he proposes to supply under the contract. Documentary evidence of the Items & Services in conformity to the Bid documents shall be in the form of Tender Specific Authorization & Compliance Statement mentioning Make & Model of the Product that shall be supplied. Following Technical Specification

Compliance Statement shall be uploaded along with the documents for Technical Bid as per Annexure – XXI.

- (i) Technical Compliance Statement for items under Sub-head A of Annexure – XXI must be submitted by Bidder on OEM's Letterhead.
- (ii) Technical Compliance Statement for items under Sub-head B of Annexure XXI must be submitted by Bidder on their own Letterhead.

OEM must provide the Make & Model/Part no. of the items that shall be supplied in the compliance statement. Same Make & Model shall be supplied at the time of execution of the order.

15. One Bidder cannot represent two manufacturers for the same product in this tender.

16. The Contractor shall provide Pre-Qualification Documents as specified in this section. Lack of submission of any of the specified qualification documents or submission of any of the specified documents in a manner which is in non-conformance with the relevant clause of this tender document may result in rejection of the Tender.

17. Date of submission of the Bid will be taken as reference for assessing the eligibility criteria.

Uploading of application in location other than specified above shall not be considered. Hard copy of application shall not be entertained.

3.3. Envelop – III: Financial Bid:

All rates shall be quoted 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 coloured (unprotected) cells with their respective financial quotes (excluding GST) 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.

Rates provided in BoQ against each Items are Estimated rates (excluding GST) only and are given solely for reference purpose.

4. Cost of Bidding:

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.

5. Bid Document:

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

Section – I	Notice Inviting Tender
Section – II	Instructions to Bidders
Section – III	General Terms & Conditions of the Contract

Section – IV	Special Terms & Conditions of the Contract
Annexure – I	Checklist for Technical Bid
Annexure – II	Proforma of Earnest Money Declaration
Annexure – III	Proforma of Unconditional Acceptance of AAI's Tender Conditions
Annexure – IV	Proforma for Undertaking
Annexure – V	Power of Attorney Format for Authorized Person(s)
Annexure – VI	Proforma for Tender Acceptance Letter
Annexure – VII	Proforma for Pre-Contract Integrity Pact
Annexure – VIII	Proforma for Self-Certification for Local Content
Annexure – IX	Proforma for Land Border Share Compliance Certificate
Annexure – X	Proforma of Performance Bank Guarantee
Annexure – XI	Proforma for Extension of Time/ Performance Notice
Annexure – XII	Proforma for Intimation for Force Majeure
Annexure – XIII	Proforma for Provisional Completion Certificate
Annexure – XIV	Proforma for Completion Certificate
Annexure – XV	Proforma for GST Declaration for previous RA bills
Annexure – XVI	Proforma for Self-Declaration u/s 206AB/206CCA of 'The Income Tax Act, 1961 regarding Deduction/ Collection of Tax
Annexure – XVII	Proforma for Installation cum Site Acceptance Test Report
Annexure – XVIII	Proforma for Agreement by L-1 Bidder
Annexure – XIX	Proforma for Undertaking by L1 Bidder/ Agency regarding GST
Annexure – XX	Proforma for OEM Authorization / MAF
Annexure – XXI	Technical Specification Compliance
Annexure - XXII	Proforma for Certificate of Satisfactory Service
Schedule – A	Schedule of Anticipated Quantities

6. Amendment to Bid Documents:

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.

The amendments shall be notified on CPP Portal and these amendments will be binding on them.

7. Bid Prices:

7.1. The Financial Bid shows the bill of material for all items with scheduled quantities. The bidder shall download the BOQ file (.xls file) and shall upload the duly filled file with Quoted rates online on the CPP Portal. It may be noted that only duly submitted bids shall be evaluated and bids just saved but not submitted shall not be part of the evaluation process.

7.2. The Rate offered by the bidder shall be **exclusive of GST** but inclusive of other statutory taxes & fees.

7.3. **The Unit Rate in INR (exclusive of GST but inclusive of other statutory taxes & fees)** shall be used for calculating the total amount in the Financial Bid. 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 Rate itself the Price Bid of the Vendor shall be rejected.

7.4. 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.

- 7.5. The price bid of the tender document is for pricing only. Conditional price bid shall be liable for rejection. Price quoted shall be firm & fixed and subject to no escalation, whatsoever, till the validity period of the tender, including extension, if any.
- 7.6. The Unit Rate (exclusive of GST but inclusive of other statutory taxes & fees) shall be used for calculating the total amount in the Financial Bid.
- 7.7. In the event of any errors or Ambiguity in Rate itself, the Price Bid of the Vendor shall be rejected.
- 7.8. 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.
- 7.9. 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 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.
8. **Period of Validity of Tender (Bid)**
 - 8.1. The tender (Bid) shall remain valid for a minimum of 90 days from the date of opening of the tender. 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 cancelling the offer or varying any term in regard thereof, the bidder's EMD shall be forfeited or bidder shall be suspended as per EMD Declaration submitted by the Bidder (Annexure – II) whichever is applicable.
 - 8.2. 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.
9. **Formats Signing of Bid:**
 - 9.1. The e-Bid shall be digitally signed by the bidder at CPP 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 CPP Portal requirements. Standard Printed terms and conditions of the company other than the NIT conditions shall not be considered.
10. The Buyer may, at its discretion extend this deadline for the submission of the bids by amending the bid documents in accordance with Section II - Clause 6 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.
11. Any bid uploaded after the deadline e-Portal system shall not permit uploading of bids after the schedule time of submission.
12. The bidder may correct, modify his bid after submission prior to the deadline digitally signed bids through provisions of CPP Portal.

13. The Buyer shall open Eligibility, Technical and Financial Bids on-line through CPP Portal as per schedule. The bidders may monitor the bid opening event on-line. They may even depute an authorized representative to witness the event if they so desire. The bidder shall submit authority letter to this effect before they are allowed to participate in bid opening event.
14. Representative whose bid is not opened cannot monitor or witness the bid opening event.
15. AAI may seek performance report on a vendor from other clients whose reference 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.
16. 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. In case deviations are necessary on technology up-gradation all the bidders qualifying technically shall be given an opportunity to revise Financial Bids by way of submitting supplementary Financial Bids. Only technically successful bids will be considered for financial bid opening.
17. **Opening of the Financial Bids:**
 - 17.1. Financial Bids of those vendors who qualify technically shall be opened electronically at CPP Portal. Time and date of opening shall be notified in through CPP Portal.
 - 17.2. The comparison for evaluation shall be based on the total cost of the bid exclusive of GST but inclusive of taxes, levies and charges.
18. **Online Reverse Auction Process:**
 - 18.1. 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 bids (in case of Reverse Auction Process) where-in only L1 consolidated price shall be visible to the bidders.
 - 18.2. The Reverse Auction shall be conducted on the overall tender prices and not on individual components.
 - 18.3. Reverse auction will be conducted online with vendors from their own offices. For Training on reverse auction, online help shall be available through the CPP Portal.
 - 18.4. Reverse auction process will be conducted for a period of one hour where the bidders will be allowed to reduce their prices.
 - 18.5. In case any bidder submits the price within 5 minutes of closing of reverse auction timing, the system will automatically extend the reverse auction time to further 15 minutes. All participant tenderers can reduce the price during this time.
 - 18.6. If the above situation repeats, i.e. a bidder submits price reduction in last 5 minutes of closing of auction, further 15 minutes extension will be automatically allowed. The number of extensions in RA is not restricted. System will perform auto extension.

18.7. After Auction end time, System will generate price comparative chart, which will show the names and rates of bidders quoted in the tender as well as (L1) rates quoted by Bidder in the auction.

18.8. The rates received in the Auction shall be final and shall be exclusive of GST.

19. Contacting the Buyer:

19.1. 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.

19.2. 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.

19.3. 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.

20. Award of Contract:

20.1. The acceptance of the tender will be intimated to the successful bidder by AAI, either by fax or by letter, CPP Portal /email.

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

21. Right to Accept or Reject the Tenders:

21.1. 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 itself the authority to reject any or all the tenders received without assigning any reason whatsoever.

21.2. 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.

21.3. 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.

21.4. 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.

21.5. 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 the bidder's EMD shall be forfeited or suspend the bidder as per EMD Declaration submitted by the bidder (Annexure – II), whichever is applicable.

- 21.6. Should a bidder have a relation or relations employed in AAI in the capacity of an officer, the authority inviting tender, shall be informed. 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 or forfeit the EMD submitted or suspend the bidder as per EMD Declaration submitted by the bidder (Annexure – II), whichever is applicable.
- 21.7. 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.
- 21.8. 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 19 above.

22. Issue of Work Order:

- 22.1. The acceptance of the tender will be intimated to the successful bidder by AAI, either by fax or by letter, CPP Portal /email.
- 22.2. The issue of Work Order shall constitute the intention of Buyer to enter into the contract with the bidder.
- 22.3. On receipt of the Work Order, the Supplier / Vendor shall carry out Project Site Survey immediately. Material delivery shall be carried out the Supplier / Vendor as per the Site Requirement only. Survey needs be carried out the Supplier / Vendor without any financial implications to AAI.
- 22.4. Acceptance of the Work Order/ Purchase Order will be deemed as effective from the date of issue of Work Order/ Purchase Order. All formalities of the signing of the contract shall be completed within 15 days of the issue of Work Order/ Purchase Order.
- 22.5. AAI shall be the sole judge in the matter of award of contract and decision of AAI shall be final and binding.

23. Signing of Contract:

- 23.1. The issue of Work Order shall constitute the award of contract on the bidder. The signing of the Contract as per Annexure – XVIII and submission of Undertaking by L1 Bidder/ Agency regarding GST as per Annexure – XIX shall be completed within 15 days of the acceptance letter.
- 23.2. The L-1 Bidder should also submit hard copies of all the documents uploaded on CPP Portal within 15 days of the acceptance letter.

24. Annulment of Award:

- 24.1. Failure of the successful bidder to comply with the requirement of Signing the Contract as mentioned above in this section shall constitute sufficient ground for the annulment of the award and suspension of the Bidder as specified in the EMD Declaration submitted by the Bidder (Annexure – II) or the bidder's EMD shall be forfeited, whichever is applicable. In this event the Buyer may make the award to any other bidder at his discretion or call for new bids.

25. Quality Assurance Requirements:

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

26. Transfer of Tender Document:

- 26.1. 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.

27. Novation Clause

- 27.1. The Contract period is 05 year or the date of transfer of the airport under the PPP mode / O&M contract. The contract may be terminated with a termination notice of 30 days without any liabilities to AAI for that respective airport on account of anything else what so ever.

Obligations related to Transfer

“The Authority agrees that during the Contract Period, in the event the Authority transfers the rights to operate and maintain the Airport to a third party(s), the Authority shall ensure that; The Authority shall cause to transfer/novate this agreement, in favour of such third party, on the principle that such transfer/novation would release Authority of all liabilities and obligations arising from and after the date of transfer/ novation of such rights. The Parties, along with relevant third party(s) shall execute necessary documentation or put in place necessary agreements for the aforesaid transfer/ novation; and

The rights and obligations under or pursuant to all contracts and other arrangements entered into in accordance with the provisions of this agreement between Authority and Contractor shall be bested in such third party.”

28. Contract Monitoring:

- 28.1. The buyer shall hold periodic inspection after the award of the contract to monitor the progress of the work.
- 28.2. First such meeting shall be held within one week of award of the contract. The date & Time of such meeting shall be intimated to the contractor/supplier by email/post. The date and time of subsequent meetings shall be decided & recorded in previous meetings
- 28.3. The proceedings of each meeting shall be recorded and action as required towards successfully completion of the project shall be initiated promptly by both AAI & the Contractor. Project review meeting shall be with reference to mile stones & contract performance analysis.

- 28.4. Depending upon the Complexity of the item ordered, contractor may be asked to submit a progress report periodically in coordination with the project manager / in-charge.

29. Outright Bid Rejection Criteria:

Non-Compliance to the following criteria by the bidder shall lead to the Outright rejection of their offer submitted on the CPP Portal:

- 29.1. If scanned copy of Self-Attested Tender Fee Exemption Certificate against Tender fee has not been uploaded on the CPP Portal (applicable only for Bidder claiming Tender Fee exemption), or
- 29.2. If scanned copy of EMD Exemption document along with Earnest Money Declaration as per Annexure – II has not been uploaded on the CPP Portal (applicable only for Bidder claiming EMD exemption).

30. Right of Bidder to question rejection at PQ / Technical stage:

A bidder shall have the right to be heard in case he/ she feels that a proper procurement process is not being followed and his/ her PQ/ technical bid has been rejected wrongly. The bidder is permitted to send his/ her representation in writing to the Tender Inviting Authority, either electronically or physically. However, such representation shall be entertained, only if received within 24 hours of declaration of the PQ/ Technical Acceptance / Rejection. Only a directly affected bidder can represent in this regard. Decisions of AAI in this regard shall be final and shall not be subject for review. Any postal delay shall not be entertained.

31. Implementation of Integrity Pact: (Not Applicable for this Tender)

- 31.1. Signing of Integrity Pact (as per Annexure – VII) is mandatory for every Bidder in this procurement / bid process, the signed copy of the same shall be uploaded on the CPP Portal.
- 31.2. The Bidder shall commit itself to ensure taking all measures necessary to prevent corrupt practised, unfair means and illegal activities during any stage of its bid or during any pre-contract or post contract stage as specified in the Integrity pact.
- 31.3. Any breach of the aforesaid provision by the Bidder or any one employed or action on his behalf (whether with or without the knowledge of the Bidder) shall entitle the authority to take all or any one of the actions as specified in the Integrity pact.
- 31.4. The Independent External Monitor (IEM) for this work will be:

Sh. J K Khanna IPS (Retd.) Residence Address: A – 102, Sector - 55, Noida – 201307 (UP) Email – jkkhannaips@yahoo.com Mob: 9810940403 / 0120-4322330	Sh. R Ramanujan IAS (Retd.) Residence Address: 44/24, Third Trust Cross Street, Mandavelipakkam, Chennai – 600028 Email -raamaanuj@gmail.com Mob: 9495511945
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Section – III: General Terms and Conditions of the Contract

1. Purpose:

This document sets out the terms & conditions to be met in connection with the provision of “Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport” to AAI for the work as per the details given in this Notice Inviting Tender (NIT).

- 1.1. This tender document includes details like anticipated quantity, delivery, installation, commissioning (including Operating system & other software as tendered for) & support services for maintenance, etc.
- 1.2. 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 hardware/software such as installation kit, CDs, Software Manuals, hardware sub-systems etc.

2. Compliance:

- 2.1. Subcontracting of the work to other vendor in any form/ manner is strictly prohibited. At any point of time if it is observed that contract is subcontracted the contract shall be liable to be terminated and performance bank guarantee may be forfeited.
- 2.2. The unconditional acceptance of all the terms & conditions of the NIT has to be submitted as per the Annexure – III. The failure to submit the unconditional acceptance statement in the said format shall result in his tender being rejected.
- 2.3. 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.
- 2.4. The compliance to the terms & conditions should be supported by authenticated documentation wherever required.
- 2.5. Each page of the Bid and cuttings / corrections shall be duly signed with stamp by the bidder. (Not applicable for CPP Portal Tender).

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. Over writing is not permitted. In case of disparity in figures & words, the rate in words will be considered.
- 3.2. In the event of the order being awarded, the language of all services, manuals, instructions, technical documentation etc. provided 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. Bidder's offers shall be with reference to section and clause numbers given in the tender schedules.

5. Refund of EMD:

5.1. EMD deposited by bidders who get rejected in PQ or technical stage shall be refunded with no interest or any other expenses, within two weeks of rejection of their bids at each stage.

5.2. EMD of all eligible bidders whose financials bids are opened (except the confirmed lowest bidder) shall be refunded with no interest or any other expense, within two weeks after issue of acceptance letter to successful bidder.

5.3. EMD of the successful bidder will be refunded after the signing of the Contract. AAI shall refund the same amount in INR as received from bidders towards EMD with no interest or any other expenses, whatsoever, in any manner to the bidder or its authorized representative.

5.4. The EMD amount shall be forfeited in the following events. No interest or any other expenses, whatsoever, will be payable by AAI on the EMD in any manner.

5.4.1. Bidder's EMD shall be forfeited if the Bidder withdraws or amends its bid or breach of the conditions or the tender of impairs or derogates from the tender in any respect within the period of validity of the tender.

5.4.2. If the successful bidder fails to enter into a contract with AAI within 15 calendar days (or an extended period as approved by the Accepting Authority in AAI) after the receipt of the purchase order / work order.

5.4.3. If the successful bidder fails to submit the contract performance Bank Guarantee as stipulated in clause 6 of this section with AAI within 30 calendar days (or an extended period as approved by the Accepting Authority in AAI) after the receipt of the purchase order / work order.

5.4.4. If the bidder knowingly and wilfully supplied incorrect information in the tender.

5.4.5. 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 and conditions of the tender.

5.4.6. AAI may issue a Letter of Intent (LOI) to the declared L1 bidder & ask the bidder to accept the LOI within the specified time. If the bidder fails to accept the LOI, it will be constructed that the Bidder is not interested in the offer. In such a situation AAI will encash & forfeit the EMD.

5.4.7. Should a bidder have a relation or relations employed in AAI in the capacity of an officer, the authority inviting tender, the same shall be informed. 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.

6. Performance Bank Guarantee

- 6.1. The successful bidder shall submit an unqualified Contract performance guarantee (in lieu of Contract Performance security) of the value equivalent to 3% (Three percent) of the value of Purchase Orders in the form of an irrevocable and unconditional bank guarantee on Nationalized / scheduled bank as per Proforma attached as Annexure- X. The guarantee shall be submitted within 30 calendar days of the issue of Purchase Order, and it should remain valid for a period of 90 days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.
- 6.2. The Performance Bank Guarantee will be forfeited and credited to the accounts of AAI in the event of a breach of contract by the contractor. It should be refunded to the contractor without interest, after he duly performs and completes the contract in all respects but not later than 90(ninety) days of completion of all such obligations including the warranty under the contract.
- 6.3. In case the Contractor fails to submit the PBG within stipulated period, interest at 12% p.a on Performance Guarantee amount would be levied (non-refundable) for delayed period of submission & shall be deducted from the first bill payable to the Contractor. However, the extended period for PBG submission should be approved by the Accepting Authority in AAI. Also, the Stipulated Performance Bank Guarantee Value (3% of the Purchase Order Price to AAI) shall be withheld from Bills payable until the Performance Bank Guarantee is submitted.
- 6.4. In case, successful bidder fails to submit performance guarantee within 60 days of the issue of the letter of acceptance of his bid, AAI reserve the right to Cancel the order.
- 6.5. The performance guarantee amount shall be payable to AAI without any condition whatsoever and the guarantee shall be irrevocable.
- 6.6. The performance guarantee shall be deemed to govern the following guarantees from the successful bidder, in addition to other provisions of the guarantee:
 - 6.7.1 Defect liability period is to cover the defects which remain pending after the completion of the Warranty/Support period. It includes unserviceability occurring immediately prior to the end of the Warranty period, unserviceability which remains unattended at the end of the Warranty/Support period, repairs of unserviceable parts or subsystems which became unserviceable prior to completion of Warranty/Support period etc.
 - 6.7.2 At the time of completion of the Warranty/Support period, the bidder shall handover all the systems/ subsystems in working conditions to AAI. Any unserviceable system/ subsystem shall be covered under defect liability.
 - 6.7.3 The Hardware/ Services 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 within the period of Guarantee/ Warranty.
- 6.7. 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.
- 6.8. The validity period of PBG shall be extended by the bidder as and when provisional extension is granted

7. **Correspondences:**

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 stages as follows:

8.1.1. **Factory Inspection / Acceptance Testing:** Waived

8.1.2. **Manufacturer's Quality Self-Certification / Type Test:**

The Successful Bidder must submit Self-Certification/ Type Test Certificate from the OEM for all the Supplied Items. The said Certification must conform to the specification & quality of the supplied items.

8.1.3. **Post receipt / Pre-installation Testing:**

In the event of replacement of any faulty component under the contract AAI inspector shall conduct testing / inspection of the items offered for replacement for genuine OEM parts. The inspector shall also check the goods delivered against the models ordered. The inspector shall reject the items, which are not delivered as per the contract or any subsequent modifications to the contract, in terms of make & model. The inspector shall also receive the goods after inspection

8.1.4. **Post Installation Acceptance testing / Inspection:**

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.

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

8.3. If any Item or any part thereof, before it is taken over under above testing/inspection clauses, is found defective or fails to fulfil 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 fulfil 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

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

8.5. 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 Purchase Order shall be adhered to strictly. Any Extension of time /delivery amounts to amendment of the contract then Liquidated Damage shall be levied. However, Extension shall be granted only after the successful bidder seeks an extension in writing, however, there should not be any downward trend in the price of the Items of the Purchase Order. In case of any downward Trend, the benefit shall be transferred to AAI.

However, in case of extraordinary situations like non-readiness of Site, delay on buyer side which may delay the completion of the service as per SLA, then LD shall not be levied. The contractor shall apply for extension of time in writing as per format contained in Annexure – XI.

The Extension of Time with or without LD charges is subject to the scrutiny of the reason provided & subject to the approval of the Competent Authority,

The LD Charges shall be calculated on the Base value of the Purchase Order without GST/Taxes.

10. Compensation of Delay/Recovery:

10.1. Time is the essence of the Contract.

10.2. 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.

10.3. 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 act as per the “Guarantee/ Warranty” Clause of Section - IV.

10.4. A fine of an agreed amount calculated @ 0.5 % per week or part thereof of the Uncompleted Portion/delivery/Installation of contract/WO cost executed/ Completed beyond delivery schedule subject to a maximum value equal to 10% of the value of the delayed Goods/Work shall be recovered. The LD shall be calculated on the base cost without Govt. taxes & Duties.

10.5. A fine of an agreed amount calculated @ 0.5% of the total cost 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 as per the Guarantee/ Warranty and CAMC” Clause of Section – IV if the delay is caused by any reason other than the Justified Reasons as mentioned above.

11. Force Majeure:

- 11.1. 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 contractor's control, subject to what is stated in the following sub paragraphs and to the procedures detailed there-in 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.
- 11.2. That within 3 days after the occurrence of a case of force Majeure but before the expiry of the stipulated date of completion, the bidder informs AAI in writing about the occurrence of Force Majeure Condition (as per Annexure – XII of 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 – XI.
- 11.3. 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.
- 11.4. That the contractor proves that the said conditions have actually been interfered with the carrying out of the contract.
- 11.5. That the contractor proves that the delay occurred is not due to his own action or lack of action.
- 11.6. 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.
12. **Patents, Successful bidder's Liability & Compliance of Regulations:**
 - 12.1. Successful bidder shall protect and fully indemnify the AAI from any claims for infringement of patents, copyright, trademark, license violation or the like.
 - 12.2. 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.
 - 12.3. 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.
13. **Settlement of Disputes:**
 - 13.1. If a dispute of any kind whatsoever arises between 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 Leader or his nominee, the matter in dispute shall, in first place be referred to the Dispute Resolution Committee (DRC) appointed by the Executive Director / Member (Planning) / Chairman, Airports Authority of India. It is also a term of contract that fees and other expense if payable to DRC shall be paid equally by both the parties i.e. AAI and Contractor. The disputes will firstly be settled by the DRC, failing which any party may

invoke arbitration clause. The Contractor shall be entitled for invoking the arbitration clause only after exhausting the remedy available under the Dispute Resolution Mechanism.

- 13.2. If the parties fail to reach a resolution even after referring to the higher level, either party should be able to start arbitration proceedings under the Indian Sellers as per the Indian Arbitration & Conciliation Act, 1996 & Changes and amendments to the Act in 2015 after following the due procedure.
- 13.3. 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 Leader or his nominee unless and until the same shall be revised, as hereinafter provided, by the DRC or in an Arbitral Award.
- 13.4. It is also a term of contract that If the contractor does not make any demand for Dispute Resolution Committee in respect of any claim in writing within 90 (Ninety) days of receiving the intimation from the AAI that the bill is ready for payment, the claim of contractor(s) will be deemed to have been waved and absolutely barred and the AAI shall be discharged and released of all liabilities under the contract in respect of these claims.

14. Adjudication through Arbitration:

- 14.1. Except where the decision has become final, binding and conclusive in terms of Settlement of Disputes as mentioned above in this section, disputes or differences shall be referred for adjudication through arbitration by a sole arbitrator appointed by the Member (Ops) / Chairman, AAI. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.
- 14.2. It is also a term of contract that If the contractor does not make any demand for appointment of Arbitrator in respect of any claim in writing within 120 (One hundred Twenty) days of receiving the decision / award from Dispute Resolution Committee, the claim of contractor(s) will be deemed to have been waved and absolutely barred and the AAI shall be discharged and released of all liabilities under the contract in respect of these claims.
- 14.3. It is term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such disputes along with the notice for appointment of arbitrator and giving reference to the rejection of their claims by the Dispute Resolution Committee.
- 14.4. It is also a term of this contract that no person, other than a person appointed by above mentioned appointing authority, should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.
- 14.5. The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 (26 of 1996) or any statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.
- 14.6. It is also a term of this contract that the arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim

referred to him and, in all cases, where the total amount of the claims by any party exceeds Rs.1,00,000/-, the arbitrator shall give reasons for the award.

14.7. It is also a term of the contract that if any fees are payable to the arbitrator, these shall be paid equally by both the parties.

14.8. It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

15. Laws Governing the Contract:

15.1. Indian laws shall govern this contract.

16. Termination for Default and Risk Purchase:

16.1. A contract may be terminated in the following cases:

16.1.1. Default: If the seller fails to deliver any or all the items / services / Completion of works as stipulated in the purchase order within the specified time limit.

16.1.2. Failure to perform any obligation: If the seller fails to perform any obligation under the contract.

16.2. If the contract is terminated, the purchaser may take recourse in:

16.2.1. Forfeiture of the performance security.

16.2.2. Purchaser may resort to buying the item from an alternate source (Risk Purchase) and recover the cost from the seller.

16.2.3. The supplier, however, shall continue to fulfil the contract to the extent not terminated.

16.3. The purchaser may terminate the contract by giving a written notice to the seller if the seller becomes insolvent.

16.4. The purchaser may terminate the contract if an unforeseen situation arises, compelling the purchaser to cancel the contract.

17. Termination for Insolvency:

17.1. 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.

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, Substitute and Extra Items:

- 19.1. All quantities mentioned in Schedule A: Anticipated Schedule of Quantities are Estimated Quantities only. Actual Quantities may vary during Execution of the Work as per existing Site Requirement and Condition.
- 19.2. AAI reserves the right to change the quantity of the Contract Items to be supplied but within the overall deviation limit of 30% of the contract value.
- 19.3. AAI also reserves the right to purchase Substitute items as per site requirements up to the overall limit of 30% of the contract value at the Market Rate of the Substitute Item or the Agreement Rate of the Contract Item, whichever is less.
- 19.4. AAI also reserves the right to purchase Extra Items, which are completely new, as per site requirements up to the overall limit of 30% of the contract value at the Market Rate of the Extra Item.
- 19.5. 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 wilful 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.

21. Contractor's Liability and Insurance of Workmen / Works:

- 21.1. From commencement to completion of the works / Contract, the Contractor shall take full responsibility for the case thereof and for taking precautions to prevent loss or damage and to minimize loss or damage to the greatest extent possible and shall be liable for any damage or loss that may happen to the Works or any part thereof and all AAI's Tools & Plant from any cause whatsoever (save and except the Excepted Risks) and shall at his own cost repair and make good the same so that at completion, the Works and all AAI's Tools & Plant shall be in good order and condition and in conformity in every respect with the requirements of the Contract and instructions of the Project-in-Charge / Project Manager.
- 21.2. In the event of any loss or damage to the Works or any Part thereof or to any Tools & Plant, to any material or articles at the Site from any of the Excepted Risks the following provisions shall have effect:

- a. The Contractor shall, as may be directed in writing by the Project-in- Charge / Project Manager, remove from the Site any debris and so much of the works as shall have been damaged, taking to AAI's store such AAI's Tools & Plant, articles and/or materials as may be directed;
 - b. The contractor shall, as may be directed in writing by the Project-in- Charge / Project Manager, proceed with the erection and completion of the Works under and in accordance with the provisions and Conditions of the Contract; and
- 21.3. Provided always that the Contractor shall not be entitled to payment under the above provisions in respect of so much loss or damage as has been occasioned by any failure on his part to perform his obligation under the Contract or not taking precautions to prevent loss or damage or minimize the amount of such loss or damage.
- 21.4. Without limiting its obligations and responsibilities under other clauses of General Conditions of Contracts, the contractor at his own cost shall insure ,in the joint name of AAI and the contractor, against all losses or damages from whatever cause, arising (other than the accepted risks) for which he is responsible under the terms of the contract and in such manner that the AAI and the contractor are covered during the period of construction of works and any loss or damage occasioned by the contractor in the course of any operation carried out by them for the purpose of complying with its obligations of defects liability clause here of;
- a. All works including temporary works to their full value executed from time to time.
 - b. The construction materials and equipment's to their full value brought on to the site by the contractor.
- 21.5. The Contractor shall indemnify and keep indemnified AAI against all losses and claims for injuries or damage to any persons or any property whatsoever which may arise out of or in consequence of the construction and maintenance of Works and against all claims, demands proceedings, damage costs, charges and expenses whatsoever in respect of or in relation there to.
- 21.6. Before commencing execution of the work, the Contractor shall, without in any way limiting his obligations and responsibilities under this condition, insure at his own cost against any damage, loss or injury which may occur to any AAI property, or to any person for at least the minimum amount of Rs. 1.00 lakh with unlimited number of occurrences (including any employee of AAI) by or arising out of carrying out of the Contract.
- 21.7. The contractor shall at all times indemnify AAI against all claims, damages or compensation under the provisions of Payment or Wages Act,1936, Minimum Wages Act, 1948, Employer's Liability Act, 1938, the Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947 and the Maternity Benefit Act, 1961 or any modifications thereof or any other law relating thereto and rules made there under from time to time or as a consequence of any accident or injury to any workman or other persons in or about the Works, whether in the employment of the Contractor or not, his agents or servants, and also against all costs, charges and expenses of any suit, action or proceedings arising out of such accident or injury and against all sum or sums which may with the consent of the Contractor be paid to compromise or compound any claim. Without limiting his obligations and liabilities as above provided, the Contractor shall insure against all claims, damages or compensation payable under the Workmen's Compensation Act, 1923 or any modification thereof or any other law relating thereto.
- 21.8. All insurance mentioned above shall be effective with any subsidiary of the General Insurance Company of India or by a company approved by the Insurance Regulatory Authority of India.

- 21.9. The aforesaid insurance policy / policies shall provide that they shall not be cancelled till the Project-in-Charge/ Project Manager has agreed to their cancellation in writing.
- 21.10. The Contractor shall prove to the Project-in-Charge / Project Manager from time to time that he has taken out all the insurance policies referred to above and has paid the necessary premiums for keeping the policies alive till expiry of the Defects Liability Period. A self-certified copy of such policies is required to be submitted to the Project-in-charge / Project Manager.
- 21.11. The Contractor shall ensure that similar insurance policies are taken out by his subcontractors (if any) and shall be responsible for any claims or losses to AAI resulting from their failure to obtain adequate insurance protection in connection thereof. The contractor shall produce or cause to be produced by his subcontractor (if any) as the case may be, the relevant policy or policies and premiums receipts as and when required by the Project-in-Charge / Project Manager. A self-certified copy of such policies is required to be submitted to the Project-in-charge / Project Manager.
- 21.12. If the Contractor and/or his subcontractor (if any) shall fail to effect and keep in force the insurance referred to above or any other insurance which he/they may be required to effect under the terms of the Contract then and in any such case AAI may, without being bound to, effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by AAI from any moneys due or which may become due to the Contractor or recover the same as a debt due from the Contractor.
- 21.13. In case contractor takes Contractor All Risk (CAR) Policy in joint name of AAI and Contractor for full tendered value along with third party liability (max of 10% of tendered value or as applicable as per Insurance Regulatory Authority of India) then there is no requirement for taking separate insurance by subcontractors, if applicable.
- 21.14. However, workmen compensation policy is required to be taken separately by main contractor / or sub-contractor for workers employed by them.

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Section – IV: Special Terms and 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 Indian/ International standards as applicable 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. Bidder must Offer the latest Model of products from the OEM meeting the Technical Specification.
- 1.4. The requirements given in this document are firm and no deviation of any kind is acceptable.

2. **Scope of Work:**

2.1. **SITC Work**

- 2.1.1. The Contractor shall be responsible for the Supply, Installation, Configuration, Testing & Commissioning of Items for the Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport as per AAI's Requirement.
- 2.1.2. Post Commissioning of the Infrastructure, the SITC items shall be under Warranty/ Guarantee against all defects/ bugs and for a satisfactory performance as per all the listed features, for a period of 1 years from the date of Completion/ Installation of Work.
- 2.1.3. Post completion of warranty period, the SITC items shall be under Comprehensive annual Maintenance for 4 years and for a satisfactory performance as per all the listed features.

2.2. **Comprehensive Annual Maintenance**

- 2.2.1. The Existing equipment shall be under Comprehensive annual Maintenance for a period of 5 years from the Date of Commissioning of Work.
- 2.2.2. The SITC items shall be under Comprehensive annual Maintenance for 4 years post completion of warranty period.
- 2.2.3. The Contractor shall be responsible for breakdown maintenance/ repair including but not limited to replacement of spares parts, modules, sub-modules etc. within the time frame according to SLA.
- 2.2.4. The Contractor shall also be responsible for preventive & corrective maintenance including but not limited to installation, configuration, basic guidance, issue resolution & troubleshooting.
- 2.2.5. During breakdown maintenance, if required, the contractor may carry the faulty equipment / spare to their premises for repairing or further diagnosis at their own cost including transportation. However, contractor should provide suitable/ compatible replacement against the faulty item.

2.2.6. The Contractor must have sufficient stock of Spares/ Systems for devices approximately 10% of the Inventory, at AAI premises at their own cost and risk. AAI shall provide a lock and key room/ almirah/ appropriate space to keep all the stock.

2.2.7. The Consumable items, including but not limited to Cables, Connectors, Power Cord, UPS Batteries, Power Adapter AC/ DC etc. against the device under AMC have to be supplied by the Contractor.

2.3. The contractor is responsible to get the Airport Entry Pass (AEP) from Bureau of Civil Aviation Security (BCAS)/ Airport Security office for the staff deputed to execute this contract. If any fees are levied by BCAS or if any other expense occurs related to AEP then the contractor shall be liable to pay the same.

3. Recovery Conditions:

The following situations shall attract Fine / recovery by AAI as per Clause "Compensation of Delays" under Section– III. The Recovery Amount thus calculated shall be recovered from the subsequent bill amount of the Contractor.

3.1. For Delay in completion of work or rectification in the faulty equipment.

3.2. Failure to abide by the SLA Parameter as per Clause "Guarantee / Warranty & CAMC".

4. Period of Contract:

4.1. SITC Work:

The work as per Notice Inviting Tender shall be completed within 90 days of placement of Purchase Order/ Work Order from AAI.

4.2. Comprehensive Annual Maintenance

4.2.1. The Existing equipment shall be under Comprehensive annual Maintenance for a period of 5 years from the Date of Commissioning/ Completion of Work.

4.2.2. The SITC items shall be under Comprehensive annual Maintenance for 4 years post completion of warranty period i.e. 1 year after the Date of Commissioning/ Completion of Work.

5. Time Schedule:

5.1. SITC Work

The SITC Work as per Notice Inviting Tender shall be completed within 90 days of placement of Purchase Order/ Work Order from AAI.

5.2. Comprehensive Annual Maintenance

5.2.1. The Existing equipment shall be under Comprehensive annual Maintenance for a period of 5 years from the Date of Commissioning/ Completion of Work.

- 5.2.2. The SITC items shall be under Comprehensive annual Maintenance for 4 years post completion of warranty period i.e. 1 year after the Date of Commissioning/ Completion of Work.

6. Time - The Essence of Contract:

The Supplier/Vendor should strictly adhere to the time schedule mentioned above or as per the Terms & Condition of the Purchase Order whichever time period is higher.

7. Terms of Payment:

Payment shall be made in the form of running bills duly approved by Project Manager/ Competent Authority in accordance with the progress of the work in following manner: -

7.1. For Supply Items:

- 7.1.1. No mobilization advance shall be paid for any activity.
- 7.1.2. 70% of purchase order price for supply of items, as applicable, & 100 % of freight, insurance, taxes & duties against receipt of goods at site in good condition.
- 7.1.3. Balance 30% of goods cost & 100 % of Installation & Commissioning cost on completion of Installations & site acceptance by AAI.
- 7.1.4. Documents required for release of payment.
 - 7.1.4.1. Three copies of Invoice/ invoices according to the items mentioned in BoQ or further order in this regard.
 - 7.1.4.2. Delivery Challan + 2 Copies.
 - 7.1.4.3. Certificate of Factory Acceptance Testing/ other Test certificates as applicable.
 - 7.1.4.4. Site acceptance Certificate of goods receipt at site in physically good packed condition.
 - 7.1.4.5. Installation & Commissioning Certificate (As applicable) for final payment.
 - 7.1.4.6. Training Completion Certificate, if applicable.
 - 7.1.4.7. Self-Declaration u/s 206AB/206CCA of 'The Income Tax Act, 1961 regarding Deduction/Collection of Tax
 - 7.1.4.8. GST Declaration as per Annexure – XV against all the Tax invoice and copy/ Screenshot of the invoice as appearing in the GSTR-1 for previous RA Bills.
 - 7.1.4.9. Insurance Certificate as applicable.

7.2. For Supply, Installation, Testing & Commissioning Items

- 7.2.1. No mobilization advance shall be paid for any activity.
- 7.2.2. 70% of the purchase order price for SITC of item shall be released after receipt of goods at site in good condition.
- 7.2.3. 20% of the purchase order price for SITC of item shall be released against satisfactory installation as per actual work done.
- 7.2.4. 10% of the purchase order price for SITC of item shall be released against satisfactory testing & commissioning as per actual work done.
- 7.2.5. Documents required for release of payment.
 - 7.2.5.1. Three copies of Invoice/ invoices according to the items mentioned in BoQ or further order in this regard.
 - 7.2.5.2. Delivery Challan + 2 Copies.
 - 7.2.5.3. Certificate of Factory Acceptance Testing/ other Test certificates as applicable.
 - 7.2.5.4. Site acceptance Certificate of goods receipt at site in physically good packed condition.
 - 7.2.5.5. Installation report as applicable.
 - 7.2.5.6. Commissioning Certificate (As applicable) for final payment.
 - 7.2.5.7. Training Completion Certificate, if applicable.

- 7.2.5.8. Self-Declaration u/s 206AB/206CCA of 'The Income Tax Act, 1961 regarding Deduction/Collection of Tax
- 7.2.5.9. GST Declaration as per Annexure – XV against all the Tax invoice and copy/ Screenshot of the invoice as appearing in the GSTR-1 for previous RA Bills.
- 7.2.5.10. Insurance Certificate as applicable.

7.3. For Service Items

- 7.3.1. No mobilization advance shall be paid for any activity.
- 7.3.2. 70% of the purchase order price for Service item shall be released against satisfactory installation/Laying as per actual work done.
- 7.3.3. 30% of the purchase order price for Service of item shall be released against satisfactory testing & commissioning as per actual work done.
- 7.3.4. Documents required for release of payment.
 - 7.3.4.1. Three copies of Invoice/ invoices according to the items mentioned in BoQ or further order in this regard.
 - 7.3.4.2. Installation/Measurement/Fixation report as applicable.
 - 7.3.4.3. Commissioning Certificate (As applicable) for final payment.
 - 7.3.4.4. Training Completion Certificate, if applicable.
 - 7.3.4.5. Self-Declaration u/s 206AB/206CCA of 'The Income Tax Act, 1961 regarding Deduction/Collection of Tax
 - 7.3.4.6. GST Declaration as per Annexure – XV against all the Tax invoice and copy/ Screenshot of the invoice as appearing in the GSTR-1 for previous RA Bills.
 - 7.3.4.7. Insurance Certificate as applicable.

7.4. Documentation & Training Item

- 7.4.1. No mobilization advance shall be paid for any activity.
- 7.4.2. 100 % Documentation Charges (if quoted separately) on supply of document at site.
- 7.4.3. 100% of the training Charges (if quoted separately) on completion of the training activity.
- 7.4.4. Documents required for release of payment.
 - 7.4.4.1. Three copies of Invoice/ invoices according to the items mentioned in BoQ or further order in this regard.
 - 7.4.4.2. Documentation Delivery Challan + 2 Copies.
 - 7.4.4.3. Training Completion Certificate/ Attendance Sheet.
 - 7.4.4.4. Self-Declaration u/s 206AB/206CCA of 'The Income Tax Act, 1961 regarding Deduction/Collection of Tax.
 - 7.4.4.5. GST Declaration as per Annexure – XV against all the Tax invoice and copy/ Screenshot of the invoice as appearing in the GSTR-1 for previous RA Bills.
 - 7.4.4.6. Insurance Certificate as applicable.

7.5. Comprehensive Annual Maintenance

- 7.5.1. No mobilization advance shall be paid for any activity.
- 7.5.2. The payment shall be made on quarterly basis after successful completion of period.
- 7.5.3. Documents required for release of payment.
 - 7.5.3.1. Three copies of Invoice/ invoices according to the items mentioned in BoQ or further order in this regard.
 - 7.5.3.2. The Certificate of satisfactory service as per Annexure – XXII for the quarter for which the payment has been requisitioned from the Project Manager, AAI.
 - 7.5.3.3. GST Declaration as per Annexure – XV against all the Tax invoice and copy/ Screenshot of the invoice as appearing in the GSTR-1 for previous RA Bills.

7.5.3.4. Self-Declaration u/s 206AB/206CCA of 'The Income Tax Act, 1961 regarding Deduction/Collection of Tax.

7.5.3.5. Recovery Statement and supporting documents, if applicable.

7.6. Payments shall be released after deducting any compensation for delay / Recovery which might have rendered themselves liable as per provision of contract and applicable income tax and applicable deductions as per laws & purchase order.

7.7. GST (Goods and Service Tax) shall be paid to the bidder for any taxable supply / services against a valid tax invoice. The bidder is required to provide the tax type and tax percentage.

8. Exclusion of Items from contract or Termination of Part/Full Contract:

8.1 AAI at its sole discretion may not award any Supply/ Work Order for all the items included in the NIT and may exclude some of the items as well. AAI may also at its sole discretion terminate the contract for some of the items.

8.2 Contractor shall handover the system/equipment in fully serviceable and functional condition at the time of closure of maintenance contract. Else, the defects shall be rectified at the risk and cost of contractor.

8.3 AAI shall terminate the contract and takeover the system maintenance at any time without notice, in case the services are not found satisfactory. Under such conditions, all the defects shall be rectified at risk and cost of contractor.

9. Deviation in Quantity:

9.1 AAI reserves the right to increase/ decrease the schedule of quantities, equivalent up to 30% of the overall quantity/ value whoever is higher, during the contract period without any change in unit price and other terms and condition of the contract.

10. Guarantee / Warranty & CAMC

10.1 All the Supplied Items/ AMC Items including workmanship shall be guaranteed against all defects/ bugs and for a satisfactory performance as per all the listed features, for a period of 5 years from the date of Completion/ Commissioning of Work.

10.2 The Vendor shall guarantee that the Items, articles sold/ supplied against the Contract to AAI shall be brand new & no refurbished items shall be supplied. The Installation/Services offered shall be as per the Industry Standard & as per the Terms & Condition of the Notice Inviting Tender.

10.3 The bidder shall attend at his own expense and get the defects/ bugs removed in the systems as detected by AAI during the period of Guarantee/ Warranty.

10.4 CAMC shall be comprehensive in nature, i.e. shall include both parts and labour, and shall be carried out onsite.

10.5 CAMC shall include both Preventive and Corrective / Breakdown Maintenance.

a. Preventive Maintenance shall be carried out at least once in every 3 (Three) months.

- b. Corrective/ Breakdown Maintenance shall be carried out as many as the Breakdown calls are received from AAI, Site-In-Charge.
 - c. It shall be the responsibility of the contractor to coordinate with the OEM and get the Material Fixed/ Replaced in case and Defect / Bugs/ Unsatisfactory Performance occur.
- 10.6 In case of any breakdown, the following SLA has to be maintained by the Contractor –
- The Breakdown Complaint has to be attended by the Contractor within 24 hours.
 - The Breakdown Complaint, if it involves replacement of parts only, has to be resolved by the Contractor within 2 Working Days.
 - The Breakdown Complaint, if it involves any other Major Service Work (such as replacement of full Items), has to be resolved by the Contractor within a mutually agreed Time Period between AAI, Site-in-Charge and the Contractor
- 10.7 Breakdown Complaint shall be considered resolved only when the System meets the Acceptance Criteria.
- 10.8 A fine of an agreed amount as per the Clause “Compensation of Delays” under Section– III shall be applicable for any violation of the SLA as mentioned above.
- 10.9 All Software patches & Firmware updates shall be provided for Minimum 5 years without any additional financial Implications to AAI.

11. Substitution & Wrong Supplies

- 11.1 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 own cost and risk.
- 11.2 In case the items/articles are not as per the specifications and required quality, the same are liable to be rejected by AAI. Decision of AAI will be final on this account. The rejected items must be removed by the successful tenderer from AAI’s premises within three days from the date of information of their rejection. The expenses incurred on this account shall be borne by the successful tenderer

12. Upgradation

- 12.1 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.

13. Technical Manual

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

14. Change of Model

- 14.1. No change of model after the placement of order shall be entertained unless the alternate model offered are latest & are with 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 an approval shall not be accepted and AAI shall not be responsible for any delay in delivery schedule on this account.

15. Intellectual Property Rights

15.1. 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.

16. Submission of Acceptance Testing procedure

16.1. 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 (fifteen) days of the schedule site acceptance date.

17. The entire work has to be executed with total responsibility by Bidder firm. All Necessary Technical Completeness shall be ensured by the bidder at the time of quoting for completion of Works.

18. The Bidder firm may survey at its own cost and risk at site to understand the intricacies involved in carrying out work as per scope of tender.

19. 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.

20. The Supplier is responsible for all unpacking, assemblies, wiring, installations, cabling between hardware units and connecting to power supplies at site.

21. List of Exclusions

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

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Annexure – I: Checklist for Technical Bid:

Name of the Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

S. No.	Particulars	Attachments/ Enclosures check list (To be uploaded/ enclosed)	
1.	Envelop – II: Technical Bid		
a)	Bidder's Details	Contact Person Name	
		Bidder Company Name	
		Company Address	
		Contact Person Contact No.	
		Email Address	
b)	Duly Filled Up Checklist I	This checklist duly filled up and signed	Scanned Copy of Duly Signed & Stamped Checklist – I shall be uploaded. Scanned Copy Uploaded. YES/ NO
c)	Unconditional Acceptance of AAI's Tender Conditions	Proforma at Annexure – III of Tender Document	Scanned Copy of Duly Signed & Stamped Unconditional Acceptance Letter on Company Letterhead shall be Uploaded. Scanned Copy Uploaded. YES/NO
d)	Undertaking by Bidder	Proforma at Annexure – IV of Tender Document	Scanned Copy of Duly Signed & Stamped Undertaking on Company Letterhead shall be Uploaded. Scanned Copy Uploaded. YES/NO
e)	Power of Attorney	Proforma at Annexure – V of Tender Document	Scanned Copy of Duly Signed & Stamped Power of Attorney on a Non-Judicial Stamp Paper Costing 100 Rupees shall be Uploaded. Scanned Copy Uploaded. YES/NO

S. No.	Particulars	Attachments/ Enclosures check list (To be uploaded/ enclosed)	
f)	Tender Acceptance Letter	Proforma at Annexure – VI of Tender Document	<p>Scanned Copy of Duly Signed & Stamped Tender Acceptance Letter on Company Letterhead shall be Uploaded.</p> <p>Scanned Copy Uploaded.</p> <p>YES/NO</p>
g)	Self-Certification for Local Content	Proforma at Annexure – VIII of Tender Document	<p>Scanned Copy of Duly Signed & Stamped Self-Certification for Local Content on a Non-Judicial Stamp Paper Costing 100 Rupees shall be Uploaded.</p> <p>Scanned Copy Uploaded.</p> <p>YES/NO</p>
h)	Land Border Share Compliance Certificate	Proforma at Annexure – IX of Tender Document	<p>Scanned Copy of Duly Signed & Stamped Land Border Share Compliance Certificate on Company Letterhead shall be Uploaded.</p> <p>Scanned Copy Uploaded.</p> <p>YES/NO</p>
i)	Valid GST, PAN EPF & ESIC Registration Certificate	Enclose documentary proof in support GST & PAN	GST No
			PAN No
			EPF No
			ESI No
			<p>Self-attested copy of GST, PAN, EPF & ESIC Registration Certificate shall be uploaded.</p> <p>Scanned Copy uploaded.</p> <p>YES/ NO</p>
j)	Individual company registered in India under the Companies Act, 1956, or partnership registered under the Indian Partnership Act 1932 or Limited liability/ partnership firm registered under the Limited Liability Partnership Act 2008	Enclose documentary proof in support of Company Registration Certificate	<p>Valid Registration Certificate of the Agency/ Firm shall be uploaded.</p> <p>Scanned Copy uploaded.</p> <p>YES/NO</p>

S. No.	Particulars	Attachments/ Enclosures check list (To be uploaded/ enclosed)	
k)	Work Order along with Work Completion Certificate from clients for Work of similar nature.	Enclose documentary proof in support of e-NIT	Work Order & Work Completion Certificates from Client for Work of Similar nature in respect of Work Experience Claimed by the Bidder shall be uploaded. Scanned Copy uploaded YES/ NO
i)	Name of client / Organization:	1 st Work Order & BoQ along with Work Completion Certificate.	
	Name of the Concerned Official:		
	Client/Official Contact Number:		
	Client Official Email Address:		
	Client Postal Address:		
	Name of work:		
	Awarded Work Order Value excluding GST or any taxes:		
	Work Completion Value excluding GST or any taxes:		
	Date of Start of Work:		
	Date of Work Completion as per agreement/ Work order:		
	Actual Date of completion of work:		
ii)	Name of client / Organization:	2 nd Work Order & BoQ along with Work Completion Certificate, if applicable	
	Name of the Concerned Official:		
	Client/Official Contact Number:		
	Client Official Email Address:		
	Client Postal Address:		
	Name of work:		
	Awarded Work Order Value excluding GST or any taxes:		
	Work Completion Value excluding GST or any taxes:		
	Date of Start of Work:		

S. No.	Particulars	Attachments/ Enclosures check list (To be uploaded/ enclosed)	
	Date of Work Completion as per agreement/ Work order:		
	Actual Date of completion of work:		
iii)	Name of client / Organization:	3 rd Work Order & BoQ along with Work Completion Certificate, if applicable	
	Name of the Concerned Official:		
	Client/Official Contact Number:		
	Client Official Email Address:		
	Client Postal Address:		
	Name of work:		
	Awarded Work Order Value excluding GST or any taxes:		
	Work Completion Value excluding GST or any taxes:		
	Date of Start of Work:		
	Date of Work Completion as per agreement/ Work order:		
	Actual Date of completion of work:		
iv)	Whether experience from private clients?	Enclose documentary proof in support of e-NIT	<p>Scanned Copy of TDS certificates issued by Customer for the Stipulated value of Work Order shall be uploaded.</p> <p>Scanned Copy uploaded:</p> <p>YES/ NO/ Not Applicable</p>
v)	Notarized translation of PO/Work Completion Certificate, if Language other than English	Notarized translation by the Client/Customer for whom work has been carried out	<p>Scanned copy of Original Translation Uploaded.</p> <p>YES/ NO / Not Applicable</p>
I)	Annualized abridged financial turnover	Enclose documentary proof in support of e-NIT	<p>UDIN generated profit & Loss statement along with Balance Sheet for the last three year certified from the CA.</p> <p>Scanned Copy uploaded.</p> <p>YES/ NO</p>

S. No.	Particulars	Attachments/ Enclosures check list (To be uploaded/ enclosed)	
m)	Tender Specific OEM Certificate or Tender Specific Authorization letter or Manufacturers Authorization Certificate from OEM	Enclose documentary proof in support of e-NIT	<p>Copy of OEM Authorization or MAF must be uploaded.</p> <p>Copy of OEM Authorization or MAF Uploaded</p> <p>(YES / NO)</p>
n)	Technical Specification Compliance (Technical Compliance Statement for items under Sub-head A of Annexure - XXI)	Enclose documentary proof in support of e-NIT	<p>Technical Compliance Statement on OEM Letterhead duly Stamped & Signed must be uploaded.</p> <p>Copy of Technical Compliance Statement Uploaded</p> <p>(YES / NO)</p>
o)	Technical Specification Compliance (Technical Compliance Statement for items under Sub-head B of Annexure - XXI)	Enclose documentary proof in support of e-NIT	<p>Technical Compliance Statement on OEM/ Bidders Letterhead duly Stamped & Signed must be uploaded.</p> <p>Copy of Technical Compliance Statement Uploaded</p> <p>(YES/ NO)</p>

Signed & Stamped

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Annexure – II Proforma of Earnest Money Declaration

(To be Submitted on Contractor's letter head)

Whereas, I/We.....(Name of Agency).....have submitted bid for.....
(Name of Work)

I/We hereby Submit following declaration in lieu of submitting Earnest Money Deposit.

- i. If after the opening of tender, I/We withdraw or modify my/our bid during the period of validity of tender (including extended validity of tender) specified in the tender documents, Or
- ii. If, after the award of work, I/We fail to sign the contract, or to submit performance guarantee before the deadline defined in the tender documents,

I/We shall be suspended for one year and shall not be eligible to bid for AAI tenders from date of issue of suspension order.

Signature of the contractor(s)

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Annexure – III: Proforma of Unconditional Acceptance of AAI's Tender Conditions

(To be given on Company Letter Head)

To,
The Jt. General Manager (IT)
Airports Authority of India,
Office of Regional Executive Director (ER)
New Operational Complex, N.S.C.B.I. Airport,
Kolkata- 700 052.

Sub: Acceptance of Terms & Conditions of Tender

Tender Reference No: AAI/ER/IT/NIT/2022-23/02

Tender ID: 2022_AAI_120212_1

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

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 Jt. General Manager (IT), ER, 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. I/We also hereby give the unconditional acceptance for carrying out all the works listed in statement of work enclosed as Annexure III as a part of this contract.
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 I, II & III and the same has been followed in the present case. In case any provisions of this tender are found violated after opening envelope I, II & III, 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 asks for bribe/gratification, I will immediately report it to the appropriate authority of AAI.

Yours Faithfully,

Date: _____

Signature with rubber stamp

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Annexure – IV: Proforma for Undertaking

(To be given on Company Letter Head)

To,
The Jt. General Manager (IT)
Airports Authority of India,
Office of Regional Executive Director (ER)
New Operational Complex, N.S.C.B.I. Airport,
Kolkata- 700 052.

Tender Reference No: AAI/ER/IT/NIT/2022-23/02

Tender ID: 2022_AAI_120212_1

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

Subject - Undertaking Regarding Debarment / Blacklisting

I/We (name and post of authorized signatory) on behalf of (Name of firm) do here by solemnly affirm and declare as follows:

- (i) Our firm is not restrained/ debarred/ blacklisted by AAI or Central/ State Govt. Depts./ PSUs/ World Bank/ ADB etc. and the debarment is not in force as on last date of submission of proposal.
- (ii) None of Proprietor/ Partners/ Board members/ Directors of M/s (Name of firm) has remained Proprietor/ Partner/ Board Member/ Director in any firm which stands debarred/ blacklisted by AAI or Central/ State Govt. Depts./ PSUs/ World Bank/ ADB etc. and the debarment is not in force as on last date of submission of proposal.
- (iii) Our firm understands that at any stage, if above statements are found to be false, our firm shall be liable for debarment from bidding in AAI, apart from any other appropriate contractual legal action including debarment/ blacklisting, termination of the contract etc. as deemed fit.

Place:

Dated:

Signature of the authorized signatory

Name _____

Email _____

Stamp _____

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Annexure – V: Power of Attorney Format for Authorized Person(s)

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 _____ (Date) we
_____(Company Name) a Company incorporated under the Provisions of companies
Act, 1956 having its Registered Office at _____ (Company
Address)(hereinafter referred to as the “Company”) do hereby severally appoint, constitute and nominate
_____(Name of Attorney) 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. _____(Tender ID) due on _____(Last Date of
Tender Submission) invited by Airports Authority of India, Regional Headquarters Eastern Region, New
Operational Building NSCBI Airport, Kolkata – 700 052 for “**Establishment & Augmentation of IT & Airports
Systems Infrastructure at Rourkela Airport**” 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. _____ (Name of the Person authorized by Board of Directors / Director’s Name, as
applicable) Authorized Signatory, duly authorized by the Board of Directors of the Company vide its resolution
passed in this regard.

By order of the Board
For _____
(_____)

Authorized Signatory (Signature of the Person authorized by Board of Directors or Signature of Director, as
applicable)

Witness:

1. (Signature of Witness 1)
2. (Signature of Witness 2)

Attorney Signature of Mr. _____
Attorney Signature of Mr. _____

(Attested by)
(_____)

Authorized Signatory (Signature of the Person authorized by Board of Directors or Signature of Director, as
applicable)

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Annexure – VI: Proforma for Tender Acceptance Letter

(To be given on Company Letter Head)

Date:

To,
The Jt. General Manager (IT),
Airports Authority of India,
Office of Regional Executive Director (ER)
New Operational Complex, N.S.C.B.I. Airport,
Kolkata- 700 052.

Subject: Acceptance of Terms & Conditions of Tender

Tender Reference No: AAI/ER/IT/NIT/2022-23/02

Tender ID: 2022_AAI_120212_1

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: _____ as per your advertisement, given in the above-mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and, in the event, that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

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Annexure – VII: Proforma for Pre-Contract Integrity Pact

(To be provided on Non-judicial Stamp Paper of Rs. 100)

Pre-Contract Integrity Pact

This Pact made this day 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 at in 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. 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: -

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.

3.1 The Bidder/Contractor further undertakes

3.1.1 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.

3.1.2 That it 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.

3.2 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.

- 3.3 The Bidder/Contactor 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.
- 3.4 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.
- 3.5 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.
- 3.6 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.
- 3.7 The Bidder/Contractor will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.8 The Bidder / Contactor 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.
- 3.9 The Bidder/Contractor will inform to the Independent External Monitor, if
- 3.9.1 He receives demand for an illegal/undue payment/benefit.
 - 3.9.2 He comes to know of any unethical or illegal payment/benefit.
 - 3.9.3 He makes any payment to any Authority's associate(s)
- 3.10 The Bidder/Contactor commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.11 Bidder/Contactor shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.12 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.

3.13 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.

3.14 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 sub-contractor(s) and associate(s) whose value of the work contribution exceeds Rs 0.5 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 Crores (Rupees Zero point five Crores) 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 sub-contractor(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 guarantee, 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 Contracts.

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: -

6.1.1 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.

6.1.2 To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.

- 6.1.3 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.
- 6.1.4 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.
- 6.1.5 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.
- 6.1.6 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.
- 6.1.7 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.
- 6.1.8 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.
- 6.1.9 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.
- 6.1.10 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.
- 6.1.11 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 (PBG), whichever is higher.
- 6.1.12 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 along with Independent External Monitor's recommendations/ suggestions that no reasonable doubt is 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.

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 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.

7. Independent External Monitor(s)

- 7.1 That the Authority has appointed competent and credible Independent External Monitor(s) for this Pact.
- 7.2 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.
- 7.3 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.
- 7.4 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.
- 7.5 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.
- 7.6 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.
- 7.7 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.
- 7.8 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.
- 7.9 The word 'Monitor' would include singular and plural.

8. Facilitation of Investigation.

- 8.1 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.

9. Law and Place of Jurisdiction.

9.1 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.

10. Other Legal Actions

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

10.2 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.

11. Pact duration (Validity)

11.1 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.

11.2 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.

11.3 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.

12. Company Code of Conduct

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

13. Person signing this Integrity Pact shall not approach the Courts while representing the matters to IEMs and he/she will await their decision in the matter.

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 - VIII: Proforma for Self-Certification for Local Content

Tender Reference No: AAI/ER/IT/NIT/2022-23/02

Tender ID: 2022_AAI_120212_1

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

I _____ S/o,D/o,W/o, _____ Resident
of _____ hereby solemnly affirm and declare as under:

1. That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 (hereinafter PPP-MII order) of Government of India issued vide Notification No. P45021/2/2017 -BE-II dated 04/06/2020, its revision dated 16/09/2020 and any subsequent modifications/Amendments, if any and
2. That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring entity/AAI or any other Government authority for the purpose of assessing the local content of goods/services/works supplied by me for "Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport".
3. That the local content for all inputs which constitute the said goods/ services/ works has been verified by me and I am responsible for the correctness of the claims made therein.
4. That the goods/ services/ works supplied by me for "Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport" meets the 'Minimum Local Content 'as defined in the PPPMII order & the overall Local Content is _____%.
5. That the value addition for the purpose of meeting the 'Minimum Local Content 'has been made at following location: -

S. No	Item Description	Location at which value addition has been made (Full Address)	Local Content %
1	Outdoor IP IR Fixed Bullet Camera		
2	Indoor IP IR Dome Camera		
3	Outdoor IP IR PTZ Camera		
4	64 Chanel Network Video Recorder having 8 sata slot		
5	8TB HDD		
6	UTM		
7	Layer 2 PoE + Switch Min. 24 Port		
8	10G SFP		
9	Layer 2 POE + Switch Min. 8 Port		
10	Wireless Access Point		
11	1KVA Integrated UPS		

12	55" Display Screen		
13	49" LFD		
14	8 Port FXO / FXS Convertor		
15	2 pair Telephone Cable		
16	I/O Complete with single face plate, module & Back box for Telephone Point		
17	CAT6A Indoor UTP Cable (LSZH)		
18	CAT6A Outdoor UTP Cable (LSZH)		
19	CAT6A Patch Cord 1Mtrs		
20	CAT6A Patch Cord 2Mtrs		
21	CAT6A I/O Complete with single face plate, module & Back box		
22	CAT6A RJ45 Connector		
23	CAT6A 24 port Jack Panel (Fully Loaded)		
24	Armoured 12 Core SM OFC Cable		
25	Fiber Patch Cord (SM) (duplex 2 Mtr, LC-LC)		
26	LIU for 12 Core OFC loaded with LC adapter, pigtail for SM Fibre Cable		
27	LIU for 24 Core OFC loaded with LC adapter, pigtail for SM Fibre Cable		
28	Indoor Floor Mount 42U Rack		
29	Indoor Wall Mount 12U Rack		
30	outdoor AC Rack Minimum 12U Rack		
31	PVC Flexible		
32	Metal Flexible		
33	HDPE Pipe		
34	GI Pipe/ Conduit		
35	PVC Channel ISI Marked		
36	PVC Conduit ISI Marked		
37	OFC Route Marker - Concrete		
38	OFC Route Marker - Flexible		
39	20 pair krone box with module		
40	4 Mtr pole		
41	Heavy Duty FRP/GRP/Composite resin Manhole Chamber		

6. I / We also understand that false declarations will be in breach of the Code of Integrity under Rule 175(1) (i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for upto two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
7. I agree to maintain the following information in the Company's record for a period of 10 years and shall make this available for verification to any statutory authority.
 - i. Name and details of the Local Supplier (Registered Office, Manufacturing unit location, nature of legal entity)
 - ii. Date on which this certificate is issued.
 - iii. Goods/services/works for which the certificate is produced
 - iv. Procuring entity to whom the certificate is furnished
 - v. Percentage of local content claimed and whether it meets the Minimum Local Content prescribed
 - vi. Name and contact details of the unit of the Local Supplier (s)
 - vii. Sale Price of the product
 - viii. Ex-Factory Price of the product
 - ix. Freight, insurance and handling
 - x. Total Bill of Material
 - xi. List and total cost value of input used to manufacture the Goods/to provide services/in construction of works
 - xii. List and total cost of input which are domestically sourced. Value addition certificates from suppliers, if the input is not in-house to be attached
 - xiii. List and cost of inputs which are imported, directly or indirectly

For and on behalf of..... (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)
<Inset Name, Designation & Contact No>

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Annexure - IX: Proforma for Land Border Share Compliance Certificate

To,
The Joint General Manager (IT)
Airports Authority of India,
O/o Regional Executive Director (ER) New
Operational Complex, N.S.C.B.I. Airport,
Kolkata- 700 052.

Tender Reference No: AAI/ER/IT/NIT/2022-23/02

Tender ID: 2022_AAI_120212_1

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

Subject – Compliance Certificate

With reference to the aforementioned references, I would like to state that I have read the GoI OM. F.No 6/18/2019-PPD Dated 23.07.2020 clause regarding restrictions on procurement from a bidder of a country which shares a land border with India.

I certify that we are not from such a country or, if from such a country, has been registered with the Competent Authority. ***[Strike Out whichever is not applicable]***"

I hereby certify that we fulfills all requirements in this regard and is eligible to be considered. ***[Where applicable, evidence of valid registration by the Competent Authority shall be attached.]***"

Yours faithfully,

Date: _____

Signature with Company stamp

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Annexure – X: Proforma of Performance Bank Guarantee

(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,

The Joint General Manager (IT)
Airports Authority of India,
Office of Regional Executive Director (ER) New
Operational Complex, N.S.C.B.I. Airport
Kolkata- 700052.

Subject: Performance Bank Guarantee

Tender Reference No: AAI/ER/IT/NIT/2022-23/02

Tender ID: 2022_AAI_120212_1

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

Dear Sir,

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 ----- (3 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 up to ----- (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 where the major spares involved under the contract and services 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/AMC.
- 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 up to 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 ----- 2020 at -----

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

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

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

Designation with Bank Stamp

Attorney as per Power of

Attorney No. -----

Annexure – XI: Proforma for Extension of Time / Performance Notice

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
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Date of actual completion of work
9. Period for which extension is applied for.
10. 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

11. 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)

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

Date: _____

Signature & Stamp

Part II

(For Official Use)

1. Date of receipt of application from M/s _____
Contractor for the work of **“Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport”** in the office of the Joint General Manager (IT) Eastern Region.
2. Recommendations of the project Leader 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 Leader)

1. Date of receipt in the Office: -
2. Project Leader'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 Leader'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 10 of the agreement?

Signature of Project Leader

Signature of Accepting Authority

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Annexure - XII: Proforma for Intimation of Force Majeure

Format for Intimation of Force Majeure Occurrence

The Joint General Manager (IT),
Airports Authority of India,
Office of Regional Executive Director
(ER) New Operational Complex,
N.S.C.B.I. Airport, Kolkata- 700 052.

Tender Reference No: AAI/ER/IT/NIT/2022-23/02

Tender ID: 2022_AAI_120212_1

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

Subject: Intimation regarding Force Majeure Case:

Sir,

Pursuant to Clause No. 11 - FORCE MAJEURE of Section-III, 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 Leader)

Enclosures:

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

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Annexure – XIII: Provisional Completion Certificate

AIRPORTS AUTHORITY OF INDIA

Provisional Completion Certificate

Name of Work: -

“ _____ ”

Worksite Address

Name & Address of issuing Officer

Details of work Executed

Work Executed by

Name of work (with brief particulars / Brief
Scope)

PO No.

Date of commencement of work

Stipulated date of completion

Actual Date of Completion /Pre-Closed

Details of compensation levied for delay, if any

Tendered / PO Amount

Gross amount of completed work.

List of deficiencies / Defects observed.

Dated:

**(Project Manager - AAI)
Airports Authority of India**

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Annexure – XIV: Proforma for Completion Certificate

AIRPORTS AUTHORITY OF INDIA

Completion Certificate

Name of Work: - “_____”

Worksite Address

Name & Address of issuing Officer

Details of work Executed

Work Executed by

Name of work (with brief particulars / Brief

Scope)

PO No.

Date of commencement of work

Stipulated date of completion

Actual Date of Completion /Pre-Closed

Details of compensation levied for delay, if any

Tendered / PO Amount

Gross amount of completed work.

Completion Comments

**All Components of Work Completed
Successfully.**

Dated:

**(Project Manager - AAI)
Airports Authority of India**

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Annexure – XV: Proforma for GST Declaration for previous RA bills

(on the letterhead of the vendor)

Name of the vendor: -

GSTIN of the vendor: -

Invoice No. & Date: -

Place of Supply: -

AAI GSTIN mentioned in the Invoice: -

CGST/ SGST/IGST Amount: -

Month & Date of GSTR1 return filed of the above invoice: -

Copies of GSRR1 / IFF and screen shot of Invoice uploaded on GST Portal: -

Frequency of Return _____ [Month / Quarterly (QRMP)]

In this connection, I/We hereby agree and undertake to furnish you proof of GST payment and Tax Invoice details in GSTR-1 / IFF, as applicable, at the time of submission of subsequent bill. Further I/We hereby declare that we shall file GSTR 3B return related to the above-mentioned invoices within the timelines prescribed in the GST law and I / We (vendor) shall keep AAI indemnified of such GST, if the same is not reflected in GSTR-2B of AAI GSTIN.

Signature of the Vendor with Rubber Stamp

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Annexure – XVI: Proforma for Self-Declaration u/s 206AB/206CCA of 'The Income Tax Act, 1961 regarding Deduction/Collection of Tax

TO WHOMSOEVER IT MAY CONCERN

Subject: Self Declaration u/s 206AB/206CCA of 'The Income Tax Act, 1961 regarding Deduction/Collection of Tax

With reference to the above subject matter, we, Company Name (PAN XXXXXXXXXX) hereby confirm that; we have filed Income Tax Returns for below mentioned immediately preceding Financial Years relevant to the year of declaration i.e. FY 2021-22 (as per para 3 of Circular no. 11 of 2021 dated 21.06.2021).

Financial Year	Whether aggregate amount of TDS & TCS is more than Rs.50,000	Due Date of Filing of ITR	Actual Date of Filing of ITR	ITR-V Acknowledgement No.
2020-21				
2019-20				

We have read and understood the provisions of Section 206AB/206CCA of the Act and related applicable rules, notifications, circulars. Further, above mentioned PAN and Income Tax returns details are correct.

'We, Company Name, authorize our Customer/Sellers to recover the differential tax at higher rates along with applicable interest and penalties in case above mentioned information is proved to be incorrect.

While submitting this declaration, it is requested to consider us to be compliant with the requirements of the Section 206AB/206CCA of the Act and deduct/collect tax at appropriate rates.

Authorized person signature & Stamp

Name:

Designation:

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Annexure – XVII: Proforma for Installation cum Site Acceptance Test Report

Installation cum Site Acceptance Test Report

Location:	
Name of Vender:	
Date of work completion:	

S. No	Description of Items	Unit	Ordered Qty	Delivered Qty	Installed Qty.	Stock, if applicable	Remarks

Vendor
Kolkata
(Authorized Signatory)

Airport Authority of India,
(Authorized Signatory)

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Annexure – XVIII: Proforma for Agreement by L-1 Bidder

Tender Reference No: AAI/ER/IT/NIT/2022-23/02

Tender ID: 2022_AAI_120212_1

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

Agreement No. AAI/ER/IT/CONTRACT/2021-22/___/

Dated: _____

1. This Agreement made on _____ between Airports Authority of India , a statutory corporation Incorporate under Airports Authority of India act, 1994 having its head office at **Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi – 110003 and the Regional Officers at Delhi , Mumbai, Kolkata, Chennai and Guwahati Airports through its Joint General Manager(IT), Airports Authority of India , IT Division**, Office of the Regional Executive Director(ER) , Operational Officers, NSCBI Airport, Kolkata – 700052, hereinafter called “AAI” which expression shall include the Administrators, Successor, Executive and assign, on the one part and _____ hereinafter called the “Contractor” expression shall include the Administrator, Successors, and Executors and permitted assigns on the other part.
2. Whereas, AAI is desirous of getting the work of Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport (hereinafter called “WORK”) and whereas _____; has submitted vide their offer in Tender ID _____, and the AAI accepted their aforesaid offer awarded the work to _____ as per the terms and conditions contained in its award letter no. _____ and documents referred as therein, which have been accepted by _____, resulting into a “CONTRACT”.

NOW THEREFORE THIS DEED WITNESS AS UNDER:

Article 1.0 Work Order:

Airports Authority of India had awarded the contract to _____; for the _____ contained as in Annexure of the purchase order no _____, dated _____ with the terms and conditions contained in its award letter no. _____, dated _____ and documents referred as therein. The award has taken effect from _____. The terms and expressions used in this agreement shall have the same meaning as are assigned to them in the “CONTRACT DOCUMENT” referred to this succeeding article.

Article 2.0 CONTRACTOR DOCUMENTS:

The contract shall be performed strictly as per the terms and conditions as per NIT. The following documents attached herewith (hereinafter referred to as “CONTRACT DOCUMENT”).

Reference:

1. Tender Ref. No. _____
2. Tender ID No. _____

3. Pre-Qualification and Technical Bid of _____ received through CPP tender Portal and opened on _____.
4. Financial Bid of _____ received through CPP Portal and opened on _____.

All the aforesaid contract documents contain condition as mentioned against individual and are initialled by both the parties by their authorized representatives.

All the aforesaid contract documents shall form an integral part of this agreement, in so far as the same or any part thereof confirm to the tender and what has been specially agreed to by the owner in its letter of award. Any matter inconsistent therewith, contrary or repugnant there to or any deviation taken by the contractor in its "proposal" not agreed by the owner in its letter of award shall be deemed to have been withdrawn by the contractor unless justified and mutually agreed by both the parties. For the sake of brevity, this agreement along with its aforesaid contract documents shall be referred to as the "AGREEMENT"

Article 3.0 CONDITIONS & CO-VENANTS:

- a) The scope of contract, consideration, terms of payment, period of completion, defects liability period , taxes wherever applicable, Insurance, liquidated damages and all other terms and condition are contained in the aforesaid contract document. The contractor shall duly perform the contract strictly and faithfully in accordance with terms of agreement.
- b) The agreement constitutes full and complete understanding between the parties and the term of the presents. It shall supersede all prior correspondence to the extent inconsistency or repugnancy to the terms and conditions contained in the agreement. Any modification of the agreement shall be affected only by a written instruction signed by the authorized Representation of both the parties.

Article 4.0 SETTLEMENT OF DISPUTES:

If a dispute of any kind whatsoever arises between 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 Leader or his nominee, the matter in dispute shall, in first place be referred to the Dispute Resolution Committee (DRC) appointed by the Executive Director / Member (Planning) / Chairman, Airports Authority of India. It is also a term of contract that fees and other expense if payable to DRC shall be paid equally by both the parties i.e. AAI and Contractor. The disputes will firstly be settled by the DRC, failing which any party may invoke arbitration clause.

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 Leader or his nominee unless and until the same shall be revised, as hereinafter provided, by the DRC or in an Arbitral Award.

It is also a term of contract that If the contractor does not make any demand for Dispute Resolution Committee in respect of any claim in writing within 90 (Ninety) days of receiving the intimation from the AAI that the bill is ready for payment, the claim of contractor(s) will be deemed to have been waved and absolutely barred and the AAI shall be discharged and released of all liabilities under the contract in respect of these claims.

Article 4.1 ARBITRATION & LAW:

Except where the decision has become final, binding and conclusive in terms of Settlement of Disputes as mentioned above in this section, disputes or differences shall be referred for adjudication through arbitration by a sole arbitrator appointed by the Member (Ops) / Chairman, AAI. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

It is also a term of contract that If the contractor does not make any demand for appointment of Arbitrator in respect of any claim in writing within 120 (One hundred Twenty) days of receiving the decision / award from Dispute Resolution Committee, the claim of contractor(s) will be deemed to have been waved and absolutely barred and the AAI shall be discharged and released of all liabilities under the contract in respect of these claims.

It is term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such disputes along with the notice for appointment of arbitrator and giving reference to the rejection of their claims by the Dispute Resolution Committee.

It is also a term of this contract that no person, other than a person appointed by above mentioned appointing authority, should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.

The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 (26 of 1996) or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

It is also a term of this contract that the arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and, in all cases, where the total amount of the claims by any party exceeds Rs.1,00,000/-, the arbitrator shall give reasons for the award.

It is also a term of the contract that if any fees are payable to the arbitrator, these shall be paid equally by both the parties.

It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

Indian laws shall govern this contract.

Article 4.2 NOTICE OF Defaults:

Notice of defaults given by either party to the other party under the agreement shall be in writing and shall deemed to have been duly and properly served up on the parties there to if delivered against acknowledgment, duly addressed to the signatories at the address mentioned herein above.

This Contract Agreement is allotted the number No. _____

In WITNESS thereof, the parties through their duly authorized representative have executed those presents (execution thereof has been approved by the competent authorities of both the parties) on the day, month and year first mentioned at Kolkata.

WITNESS

1.

2.

Owner's Signature:

Printed Name: _____

Designation: _____

Company Stamp:

Contractor's Name: _____

Printed Name:

Designation:

Company's Stamp:

Annexure – XIX: Proforma for Undertaking by L1 Bidder/ Agency regarding GST

(To be submitted by L1 agency)

To
The Joint General Manager (IT),
Airports Authority of India,
Office of Regional Executive Director (ER)
New Operational Complex, N.S.C.B.I. Airport,
Kolkata- 700 052.

Name of the Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

Tender Reference No: AAI/ER/IT/NIT/2021-22/02

Tender ID: 2022_AAI_120212_1

Subject: Undertaking by L1 Agency / Bidder Regarding GST

Sir,

1. The agency / bidder _____
_____ is registered under GST and is fully compliant with GST provisions.
2. The GSTIN No _____
for my agency/company.
3. In case of non-compliance of GST and blockage of any input credit, I/We shall be responsible to indemnify Airports Authority of India.
4. I/ We shall pass all the input credits to Airports Authority of India.

Yours faithfully,

Date: _____

Signature with rubber stamp

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Annexure – XX: Proforma for OEM Authorization / MAF

To,
The Joint General Manager (IT)
Airports Authority of India,
O/o Regional Executive Director (ER)
New Operational Complex, N.S.C.B.I. Airport,
Kolkata- 700 052.

Subject: Manufacture Authorization Letter or Tender Specific Authorization

With reference to the Tender No _____, “Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport”.

We _____ (manufacturer name) having our office at _____ (manufacturer address) , authorizes _____ (System Integrator name and address), our system Integrator in India, to quote and supply to you the following equipment:

- 1.
- 2.
- 3.

We further certify that the products quoted are standards based and our standard OEM comprehensive support shall be available for 5 years. We confirm that the Warranty/Support for the products shall be to AAI irrespective of the involvement of System Integrator.

We also confirm that the products offered are currently available in the market and shall not be end of life during the contract period. The products will be supplied without any change in specifications. Our toll-free number (India) is _____.

Yours faithfully,
(Name)
(Name of the Manufacturers)

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Annexure – XXI: Technical Specification Compliance

Sub-Head A – Technical Compliance to be submitted on OEM's Letter head

Item No. 1.01 – Outdoor IP IR Fixed Bullet Camera			
		Make	
		Model	
S. No	Minimum Technical Specification		Compliance (Yes/No)
	Parameter Name	Values	
1	Image sensor	1/2.8" progressive scan CMOS 4MP or better	
2	Illumination	0.01 Lux @(F1.2,AGC ON), 0 Lux with IR	
3	Built in IR irradiance up to	50 Meters	
4	Shutter speed	1/15s-1/100000s	
5	Lens	Minimum 4.0 mm lens	
6	Angle of View	HFOV* - 85.0° or higher VFOV*- 45.0° or higher DFOV* - 100.0° or higher	
7	S/N ratio	≥60db	
8	Noise Reduction	2 DNR, 3 DNR	
9	WDR	120 dB True WDR	
10	Back light Compensation (BLC)	Supported	
11	ONVIF Compliance	ONVIF Profile S, G Compliant	
12	VCA	Motion detection, View Tamper Detection, Tripwire detection, object Intrusion	
13	ROI	Supported	
14	Privacy masking	Up to 8 Zone programmable	
15	AWB	Supported	
16	Network Failure recording	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores	
17	Video compression	H.264/H.265/MJPEG or better	
18	Video Standard	PAL	
19	No of Stream Profiles	3	
20	Bitrate Type	CBR, VBR	
21	Audio compression	G.726 ,G.711 a-law and u-law	
22	ROI	Support 4 Zones, Multi-stage level	
	Network		
23	Network Storage	NAS (Support FTP) / FTP	

24	Alarm Trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception	
25	Protocols	IPv4,TCP/IP, ICMP, ARP,HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, SMTP, SNMP, IGMP, 802.1X, Bonjour	
26	Streaming	Unicast and Multicast	
27	General Function	User Authentication, Watermark, IP address filtering	
28	Max User Access	10	
Interfaces			
29	Ethernet	1 RJ45 10M/100M Ethernet port	
30	Storage	SD Card - 256 GB	
31	Operating Conditions	-10 °C to 60°C Humidity 95% or less (non-condensing)	
32	Surge Protection	4,000V Surge Protection	
33	Ingress protection	IP66 Complaint	
34	Vandalism protection	IK10 Compliant	
35	Power Supply	DC 12V ± 10% , PoE (802.3af/ at)	
36	Product Certification	Safety: CE, FCC, EN/ IEC,IS 13252 Immunity: FCC	
37	Warranty	The Product should be offered with minimum one-year comprehensive warranty	

Item No. 1.02 – Indoor IP Dome Camera			
		Make	
		Model	
S. No	Minimum Technical Specification		Compliance (Yes/No)
	Parameter Name	Values	
1	Image sensor	1/2.8" progressive scan, Backlit illuminated CMOS 4MP or better	
2	Illumination	0.01Lux @(F1.2,AGC ON), 0 Lux with IR	
3	Built in IR irradiance up to	30 Meters	
4	Shutter speed	1/15s-1/100000s	
5	Lens	Minimum 4.0 mm lens	
6	Angle of View	HFOV* - 85.0° or higher VFOV*- 45.0° or higher DFOV* - 100.0° or higher	
7	S/N ratio	≥60db	
8	Noise Reduction	2 DNR, 3 DNR	

9	WDR	120 dB True WDR	
10	Back light Compensation (BLC)	Supported	
11	ONVIF Compliance	ONVIF Profile S, G Compliant	
12	VCA	Motion detection, View Tamper Detection, Tripwire detection, object Intrusion	
13	ROI	Supported	
14	Privacy masking	Up to 8 Zone programmable	
15	AWB	Supported	
16	Network Failure recording	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores	
Audio/Video Encoding			
17	Video compression	H.264/H.265/MJPEG or better	
18	Video Standard	PAL	
19	No of Stream Profiles	3	
20	Bitrate Type	CBR, VBR	
21	Audio compression	G.726, G.711 a-law and u-law	
22	ROI	Support 4 Zones, Multi-stage level	
Network			
23	Network Storage	NAS (Support FTP) / FTP	
24	Alarm Trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception	
25	Protocols	IPv4, TCP/IP, ICMP, ARP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, SMTP, SNMP, IGMP, 802.1X, Bonjour	
26	Streaming	Unicast and Multicast	
27	General Function	User Authentication, Watermark, IP address filtering	
28	Max User Access	10	
Interfaces			
29	Ethernet	1 RJ45 10M/100M Ethernet port	
30	Storage	SD Card - 256 GB	
General			
31	Operating Conditions	-10 °C to 60°C Humidity 95% or less (non-condensing)	
32	Surge Protection	4,000V Surge Protection	
33	Ingress protection	IP66 Complaint	
34	Vandalism protection	IK10 Compliant	

35	Power Supply	DC 12V \pm 10%, PoE (802.3af/ at)	
36	Product Certification	Safety: CE, FCC, EN/ IEC, IS 13252 Immunity: FCC	
37	Warranty	The Product should be offered with minimum one-year comprehensive warranty	

Item No. 1.03 – Outdoor IP IR PTZ Camera			
		Make	
		Model	
S. No	Minimum Technical Specification		Compliance (Yes/No)
	Parameter Name	Values	
1	Image Sensor	1/ 2.8" CMOS	
2	Signal System	PAL/ NTSC	
3	Illumination	Color: 0.001 lux @ F 1.5, Black and White: 0 lux with IR	
4	Shutter Speed	1s – 1/100000s	
5	Day and Night	IR Cut Filter with Auto Switch	
6	Wide Dynamic Range	120DB TRUE WDR	
7	Optical Zoom	33x	
8	Digital Zoom	16x	
9	Pan Range	360°	
10	Pan Speed	Pan Manual Speed: 0.1°/s-180°/s; Pan Preset Speed 240°/s	
11	Tilt Range	-15°-90° (Auto Flip)	
12	Tilt Speed	Tilt Manual Speed: 0.1°/s - 120°/s; Tilt Preset Speed: 180°/s	
13	Presets	256	
14	IR Range	Up to 200m	
15	Video Compression	H.265/H.264/M-JPEG	
16	Video Bitrate	32Kbps-16Mbps	
17	Audio Compression	G.711a, G.711u, ADPCM, AAC_LC	
18	Audio Bitrate	8Kbps – 48Kbps	
19	Mainstream	PAL: 50fps (1920×1080, 1080×720, 704×576, 640×480) NTSC: 60fps (1920×1080, 1280×720, 704×480, 640×480)	
20	Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×240) NTSC: 30fps (704×480, 704×240, 640×360, 352×240)	

21	Third Stream	PAL: 25fps (1920×1080, 704×576, 704×288, 352×288) NTSC: 30fps (1920×1080, 704×480, 704×240, 352×240)	
22	Image Setting	Saturation, Brightness, Contrast, Sharpness (Adjustable by Web Browser)	
23	Image Enhancement	BLC/3D DNR/HLC	
24	ROI	7 Dynamic Areas for both Main and Sub stream, Support Auto Tracking ROI	
25	OSD	16×16, 24×24, 32×32, 48×48, 64×64, 96×96. Total 5 Regions	
26	Alarm Trigger	Motion Detection, Network Disable Alarm, IP Conflict, MAC Conflict Detection	
27	Video Analytics	Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Video Abnormal/tampering, Audio Abnormal	
28	Auto Tracking	Yes	
29	Protocol	IPv4, TCP/IP, ICMP, ARP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, SMTP, SNMP, IGMP, 802.1X, Bonjour	
30	System Compatibility	ONVIF Profile S, G Compliant	
31	Remote Connection	≤7	
32	Communication Interface	1 RJ45 10/100 self-adaptive Ethernet Port	
33	Operating Conditions	-10 °C to 60°C Humidity 95% or less (non-condensing)	
34	Power Supply	PoE(802.3at)/ DC 12V/3A ±10%	
35	Certifications	FCC, IP67, BIS, IK10	
36	Surge Protection	6,000V Surge Protection	
37	Lens Configuration	4.6-152mm or Better	
38	Encoding Capacity	1080p @ 30 fps	
39	SNR	>60dB	
40	Internal Storage	Min 256GB Card support required	
41	Warranty	The Product should be offered with minimum one-year comprehensive warranty	

Item No. 1.04 – 64 Chanel Network Video Recorder having 8 sata slot			
		Make	
		Model	
S. No	Minimum Technical Specification	Compliance (Yes/No)	
1	It Should be Possible to configure, playback & live streaming of cameras added to other NVR from the main NVR without the need of any server/workstation.		
2	The system should be capable of integrating with IP cameras of any brand which supports ONVIF 2.0 & above or ONVIF S profile.		

3	It should be possible to define a different number of Retention days for individual cameras.		
4	NVR should have a configuration wizard for quick configurations.		
5	NVR should show the estimated number of storage days.		
6	The device must be capable of taking Snapshot with integrated Access control and time attendance system of the same brand in case of user allow/denied events.		
7	Digital Zoom during live view.		
8	The system should be able to take a Snapshot during live view/ playback in JPEG format.		
9	The Device Must Provide Configuration Backup.		
10	Video pop-up for both Desktop and Local clients.		
11	NVR Should Be Capable of Exporting Files in Native and AVI File Format to FTP and USB.		
12	NVR should have IP Address Filtering to Enhance Security.		
13	Dual Stream Option Should Be Available for Simultaneous Recording and Transmission of Video on The Network Depending on The Bandwidth.		
14	Control Mode	Desktop Client and Local client (Through HDMI)	
15	OS	Embedded Linux	
	VIDEO AND AUDIO		
16	Video Input	64 IP channels	
17	Video Output	HDMI (2.0) – 1 Port (Main)	
18	Video Compression	H.265/H.264/ Motion JPEG	
19	Audio input	1 Channel, RCA Port	
20	Audio Output	1 Channel, RCA Port	
21	Audio Compression	G.711	
22	Two-way Audio	Required	
	DISPLAY		
23	Recording Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 2MP, 720p, D1, CIF	
24	Decoding Resolution (on local display)	Up to 4K	
25	Split (Through LAN/HDMI)	1x1, 2x2, 3x3, 4x4, 1+5, 1+7, 3+4, 2+8, 1+12, 1⊕+12, 1+9, 4+9, 2+12, 5x5, 6x6, 8x8 and Sequential	
26	Digital Zoom	Required in both live view & Playback	
27	OSD	Channel Number, Name, Bit rate, video loss	
28	Snapshot Format	JPEG	

29	Recording type	Continuous, Scheduled, Manual, Alarm	
30	Bandwidth Optimization	Yes	
	PLAYBACK AND BACKUP		
31	Synchronous Playback	4 channels @ 1080P (via Desktop client), 16 channels @ 1080P (via HDMI)	
32	Search Mode	Date & Time, Camera, Recording Type, Recording Drive	
33	Playback Modes	Fast Forward, Slow Forward, Slow Reverse, Fast Reverse at Different Speed Control, Next-Previous Frame	
34	Backup	Manual Backup & Scheduled Backup	
35	Configuration Backup	Required	
36	Remote Operations	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade	
	VIDEO DETECTION AND ALARMS		
37	Camera events	Motion Detection, Recording Start, Recording Fail, Camera offline, Camera online	
38	System events	Manual Trigger, On Boot Alarm, Storage Alert, Disk Volume Full, Disk Fault, Scheduled Backup Fail	
39	Actions	Recording on Selected Channel, Upload Images on FTP/Email server, Email Notification with Snapshot, TCP Notification, Recall PTZ Pre-set Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification	
	DEVICE STATUS		
40	Camera status, Manual recording, Scheduled recording, Alarm recording, Adaptive recording	Required	
41	FPS and GOP count	Required	
42	Motion detection, View tampering, Tripwire, Object intrusion, Missing Object, Suspicious Object, Loitering Detection, Audio Exception, Object Counting	Required	
43	CPU usage display	Required	
44	CPU temperature display	Required	

45	Thermal shutdown	Required	
	STORAGE		
46	SATA Interface	8 SATA III (10TB per port)	
47	NAS	2 NAS (CIFS, NFS)	
48	RAID	RAID-0, RAID-1, RAID-5, RAID-10	
49	Recording Retention	Camera wise, HDD usage % wise, Day wise	
	NETWORK		
50	Incoming Bandwidth	256 Mbps	
51	Outgoing Bandwidth	256 Mbps	
52	Maximum User	128 Programmable	
53	Simultaneous login	9	
54	Network Protocols	TCP/IP, DHCP, PPPOE, DNS, DynDNS, FTP, SMTP, NTP, RTP/RTSP, CIFS/NFS	
	INTERFACES		
55	Audio Input	1 Channel, RCA Port (1V _{RMS})	
56	Audio Output	1 Channel, RCA Port (0.5V _{RMS})	
57	Alarm Input	2 Ports	
58	Alarm Output	1 Port	
59	Network Interface	2 Ports x Ethernet (RJ-45) 10/100/1000Mbps	
60	USB	2 ports or more	
61	Number of SATA Interface	8 Ports (SATA III)	
62	HDD size	10 TB HDD support (with 6Gb/s speed)	
63	HDMI	HDMI (2.0) – 1 Port (Main)	
	CERTIFICATION		
64	Regulatory Approvals/ Certifications	FCC, ROHS, BIS, CE, EN/IEC	
65	Operating temperature	0°C to +50°C	
66	Warranty	The Product should be offered with minimum one-year comprehensive warranty	

Item No. 1.06 – UTM with subscription		
	Make	
	Model	
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	The appliance should multicore processor-based architecture one rack unit 19-inch device with minimum 4GB RAM, 1TB HDD/SSD.	

2	The appliance should have minimum 8 nos. 1G UTP ports, 2 nos. 10G SFP+ slots, 2 nos. USB 3.0 ports and 1 no. Console Port with internal/external RPS units available from day1.	
3	The proposed appliance's any of the UTP/SFP ports can be configured as LAN/WAN/DMZ purpose	
4	The appliance should have 1 years subscription license for IPS, Antivirus, URL Filter, Application Filtering, Anti-Spam, ATP/Ransomware with 24x7 Support and Comprehensive Warranty.	
5	Proposed solution should support bandwidth & time quota for manageability and should be Network DLP compliant. It should be SD WAN Enabled from Day1	
6	The appliance should have minimum throughputs as below: Concurrent Sessions : 8100000 New Sessions per second : 140000 Firewall : 17 Gbps VPN : 1.4 Gbps NGFW : 3.5 Gbps Antivirus : 2.4 Gbps IPS : 3.2 Gbps Firewall IMIX : 6 Gbps Ipsec VPN Peers (Site to Site) : 4500 & (Client to Site) : 3250 SSL VPN Peers (Client to Site) : 3250 Web categories : 85+ Application Signatures : 5000+ IPS Signatures : 25000+	
7	The proposed system should have the flexibility to access from cloud-based management system to manage Firewall.	
8	The Proposed solution should have an option to provide complete policy enforcement and visibility of roaming users and should restrict the remote user from disabling it.	
9	The organization policy should be extended for remote users to control the Web and Application filter of remote user	
10	The proposed solution should monitor/ block & alert of web based popular websites of http and https traffic matching for keywords, regex, phrases and/or patterns.	
11	The proposed solution should provide control over data posted on web based popular social networking website	
12	The proposed solution should have the control mechanism to various options like Wall, Message, Forum Post, Comments, Note, Events & Chat or matching for keywords, phrases and/or patterns.	
13	The proposed system should have the flexibility to create rules for Popular web-based webmail sites to match various mail attributes such as Subject, From, To, CC, BCC, Msg Body, Attachment (Text, Name, Size, Type) with a wide range of composite conditional option.	
14	The product shall have Indian Standard, IC3S/Common Criteria (provided by STQC in India common-criteria- certification-0) or Alternatively from International equivalents, NDPP or NSS or	

	ICSA Labs, at least one of them should be provided while bidding.	
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Item No. 1.07 – Layer 2 Switch – Min. 24 Port		
	Make	
	Model	
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	24x 10/100/1000BaseT ports & 4 x 10G SFP+ ports from day-1.	
2	Stacking / Virtual Chassis feature.	
3	The switch should support PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at) on all 24 ports. Must have at least 720 W of PoE power budget and internal AC power supply. Hot swappable Redundant power supply should be available.	
4	Minimum Aggregate Switching capacity: 128 Gbps and Minimum Throughput: 95.232 Mpps. Necessary accessories to be provided for stacking from day 1.	
5	MAC addresses support per switch: 16,000 Active VLAN Support: Min. 512	
6	8 hardware queues per port	
7	Should have Layer -2 and Layer-3 Protocols like 802.1x, STP, RSPT, MSTP, RIP & Static routing from day-1. Advanced IPv4 & IPv6 routing features like OSPF, OSPF v3, IGMP v1/v2/v3 should be supported.	
8	The switch should support following security features: L2-L4 ACL, at least 1000 ACL entries, role-based policy, Dynamic ARP Inspection (DAI), IPv6 RA Guard, Control plane DoS protection.	
9	Should have CLI & Web based management features and dedicated Serial/Ethernet Port for management. Management protocol support required - SNMP v1, v2, v3, RMON and NTP.	
10	Certification: RoHS, EN 55032 Class A, UL 60950-1 / IEC 60950-1, EAL2/NDPP/ NDcPP, IPv6 Logo Ready / IPv6 Ready	
11	The switch should support Operating Temperature: 0 to + 50°C	
12	The switch should be offered with one year's comprehensive warranty, NBD parts replacement and 24x7x365 TAC/Technical support from OEM directly	

Item No. 1.08 - 10G SFP Module		
	Make	
	Model	
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	10G SFP LR SFP+ Transceivers with LC Interface supporting a distance of up to 10Km over 9u Single Mode Fibre	
2	The transceivers should be compatible with the offered Enterprise Grade switches	
3	The transceivers should be covered under 1 Years comprehensive Warranty with NBD replacement.	

Item No. 1.09 - Layer 2 Switch - Min. 8 Port		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	8 x 10/100/1000BaseT ports and 2 x 10G SFP+ ports from day-1.	
2	The switch should support PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at) on all 8 ports. Must have at least 123.2 W of PoE power budget and internal AC power supply. Redundant Power supply should be available.	
3	Minimum Aggregate Switching capacity: 56 Gbps & Minimum Throughput: 41.664 Mpps.	
4	Active VLAN Support: Min.256	
5	8 hardware queues per port	
6	Should have Layer -2 and Layer-3 Protocols like 802.1x, on all the ports, STP, RSPT, MSTP, RIP & Static routing from day-1. Advanced IPv4 & IPv6 routing features like OSPF, IGMP snooping should be supported.	
7	The switch should support following security features: L2-L4 ACL, at least 600 ACL entries, role-based policy, Dynamic ARP Inspection (DAI), IPv6 RA Guard, Control plane DoS protection.	
8	Should have CLI & Web based management features and dedicated Serial/Ethernet Port for management. Management protocol support required - SNMP v1, v2, v3, RMON and NTP	
9	Certification: ROHS, EN 55032 Class A, UL 60950-1 / IEC 60950-1, EAL2/NDPP/ NDcPP, IPv6 Logo Ready / IPv6 Ready	
10	The switch should support Operating Temperature : 0 to + 50°C	
11	The Product should be offered with minimum one-year comprehensive warranty	

Item No. 1.10 – Wireless Access Point (With one WAP Controller)		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac wave2.	
2	The access point should be light weight and should support installations above drop ceiling, under ceiling or on wall	
3	All accessories for mounting & Installation of Access point should be provided.	
4	LED should be available for activity indication	
5	Must have 1x IEEE 802.3 Gigabit Ethernet auto sensing Integrated PoE Support	
6	The access point must have integrated antenna	
7	Must support 2x2 multiple-input multiple-output (MIMO) with Two spatial streams on both 2.4 GHz & 5GHz.	

8	Should support 1.2 Gbps or more data rates on dual concurrent radio operations	
9	Should support 20,40 ,80 MHz Channels	
10	Maximum conducted transmit power shall be 21 dBm or better on both 2.4 and 5 GHz with two antennas and complying to regulatory requirements	
11	The access point or the controller should be capable of running a local DHCP Server	
12	Access points should support a "controller less & control based" modes.	
13	WLAN Solution should support Mesh capabilities	
14	Along with a controller the Access Points should support fast roaming feature	
15	The WLAN solution should have comprehensive integrated security features.	
16	The WLAN Solution should support IP filtering and NAT	
17	WLAN solution must support Application Visibility Control.	
18	WLAN solution must support personal and enterprise WPA2 authentication for a staff WLAN concurrent with open access public WLAN	
19	Security solution must provide Rogue AP detection by comparing the MAC address forwarding tables in common enterprise class Ethernet LAN switches	
20	WLAN solution should provide features that provides other management functions including firmware push and statistics	
21	Access points must support autonomous mode	
22	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility	
23	The WLAN Solution should support WMM, 802.1p, Diffserv and TOS	
24	Support for Voice-over-wireless LAN (VWLAN) quality of service (QoS) ensures toll quality, even with many simultaneous calls on a single access point.	
25	Access point should support 802.11 DFS	
26	WLAN Solution should have built-in AAA and have facility for integration with external databases like LDAP or Active Directory for verifying user credentials	
27	Controller should support various login options for the end users which include Username + Password, Mobile Number + OTP, Password, Email Verification	
28	WLAN Solution should support Captive Portal based authentication & comprehensive logging facility.	
29	WLAN Solution should WPC (wireless planning and coordination) certified.	
30	WLAN Solution should support following RFC 2865, RFC 2866, RFC 3579, RFC 2868	
31	The Product should be offered with one-year comprehensive warranty, NBD parts replacement and 24x7x365 TAC/Technical support from OEM directly.	

Item No. 1.11 – 1KVA Integrated UPS		
	Make	
	Model	
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	1 KVA Rack /Tower along with enclosure, True Online Double Conversion Microprocessor based technology	
2	Input Voltage 220V/230V	
3	Input Frequency :50-60 Hz	
4	Input Power Factor :0.9 or higher (with P.F. correction)	
5	Output Power Capacity: 900 Watt / 1 kVA	
6	Nominal Output Voltage:220V/230 V	
7	Waveform: Sine wave	
8	Transfer Time – Zero Millisecond	
9	Bypass Type: Internal Bypass (automatic & manual)	
10	Supported Battery Types: Inbuilt SMF	
11	Backup Time- 10 Minutes in standalone mode @ Full load (≥ 216 VAH)	
12	Operating Temp: 0 – 40°C	
13	Warranty: One Years Onsite Comprehensive Warranty	
14	Noise<51 dB	
15	LCD Display: Yes	
16	IP 20 or better	
17	IEC/BSI Certified.	

Item No. 1.12 – 55" Display Screen with duty cycle 24x7		
	Make	
	Model	
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Screen Size: Min 55", Aspect Ratio: 16: 9	
2	Native Resolution:1920 x 1080 (FHD)	
3	Brightness: 350 cd/m ² , Contrast Ratio 1100:1	
4	Viewing Angle (H x V) more than 178 x 178.	
5	Operation Hours 24X7	
6	Input: HDMI Min 2no, Audio, USB Port min 1no.	
7	External Control: RJ45 In	
8	Power Consumption: 150 watt or Less.	
9	IS616:2017 / IEC 60065:2014 / IS13252:2010	
10	1 Years onsite Comprehensive warranty	

Item No. 1.13 – 49" LED with duty cycle 24x7		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Screen Size: Min 49", Aspect Ratio: 16: 9	
2	Native Resolution:1920 x 1080 (FHD)	
3	Brightness: 350 cd/m2, Contrast Ratio 1100:1	
4	Viewing Angle (H x V) more than 178 x 178.	
5	Operation Hours 24X7	
6	Input: HDMI Min 2no, Audio, USB Port min 1no.	
7	External Control: RJ45 In	
8	Power Consumption: 150 watt or Less.	
9	IS616:2017 / IEC 60065:2014 / IS13252:2010	
10	1 Years onsite Comprehensive warranty	

Item No. 2.03 - CAT6A Indoor UTP Cable (LSZH)		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Category 6A Unshielded Twisted Pair 4 pair cable shall be compliant with ANSI/TIA-568-C.2, ROHS and support 10G transmissions, tested upto 550Mhz	
2	Compliant to IEEE 802.3bt (Type 4) requirement 4pair-POE	
3	Construction: 4 twisted pairs separated by internal X shaped full separator and individual conductor separator. Conductor: 23 AWG Solid Copper	
4	The cable jacket shall be LSZH comply with IEC 60332-3-22, IEC 60754-2 and IEC 61034-2 Cable shall be compliant to EN50575 CPR Cable and certified for min fire safety per Dca, s2, d2, a1 standards. Certificate should be submitted with bid.	
5	Copper Outer Diameter: 7.0 ± 0.2mm	
6	Max. Temperature: +60°C	
7	Max DC resistance: 7.61 Ohm/100mtr	
8	Max. Operating voltage: 80V	
9	Mutual Capacitance: 6.0 nF/100m @ 1kHz	

Item No. 2.04 - CAT6A Outdoor UTP Cable (LSZH)		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)

1	CAT6A F/UTP Double Jacketed Outdoor Cable, 4 pair with cross filler separator, filled with water protective gel compound, compliant to ANSI/TIA 568-C.2 and ISO/IEC 11801 Class EA, suitable for outdoor and buried applications, shall be compliant to IEEE 802.3bt (Type 4) for 4PPoE transmissions	
2	Jacket Type: Outer: PE, Inner: PE Conductor: 23 AWG Solid Copper	
3	Shield / Armor: Aluminium tape shielding between dual jacket. Drain wire: Shall have tinned copper drain wire Primary Insulation: Polyolefin / Polyethylene, Outer Sheath: UV protected, Black Nominal O.D.: Overall: 8.0 – 9.0 mm, Operating Temperature: -20 °C to 70°C	
4	Operating Voltage: 80V, Operating frequency: 500MHz, ROHS compliant	
5	Conductor Resistance Should be <=9.38 Ohms / 100 Mtr Safety voltage rating – 300 V Di-electric strength, Min- 1500 Vac	

Item No. 2.05 & 2.06 - CAT6A Patch Cord 1 Mtr, 2 Mtrs		
	Make	
	Model	
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	CAT 6A U/UTP Patch Cords compliant to ANSI/TIA 568C.2, ISO/IEC 11801 Class EA for 10GBASE-T, EN 50575 compliant constructed with cross filler pair separator. Shall support IEEE 802.3bt 4pr-PoE. 10GBASE-T constructed with cross filler pair separator.	
2	Conductor: 24 AWG solid cordage	
3	Min Plug retention force: 133N Plug Mating life: Min 750 cycles. Safety voltage rating: 300 V Max. DC Resistance:0.30 Ohm	
4	RJ45 plug and boot material Clear polycarbonate	
5	Outer Sheath LSZH as per IEC 60332-1 IEC 60332-3-22, IEC 60754-2	
6	RJ45 plug compliant with IEC 60603-7.	
7	Cat6A Cable Shall be certified for IEEE 802.3bt transmission under Intertek 4 connector channel configuration up to 60 Deg C. Offered CAT6A Patch cord shall be capable of detecting and reporting any connection / disconnection, when used as part of an intelligent management system	

Item No. 2.07 – CAT6 I/O Single face plate		
	Make	
	Model	
S. No	Minimum Technical Specification	Compliance (Yes/No)

1	Single Gang square plate as per Industry Standard with dust cover / shutters. Port - Single / Dual / Quad as per req.	
2	Write on labels in transparent plastic window – supplied with plate	
3	Screw hole covers – to be supplied with plate	
4	Should be able to support variety of jacks – UTP, STP, Fibre etc.	
CAT6 I/O Module		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	CAT 6A I/O Jack exceeds ANSI/TIA 568-C.2 and IEC 60603-7 standards and Suitable for 10G data transmission, Tested for 4PPoE as per IEEE 802.3bt specifications. Shall be UL listed. ROHS compliant.	
2	Plug retention – 133N min	
3	Modular Jack 750 mating cycles	
4	Current Rating of 1.5A at 20°C Insulation Resistance, minimum: 500 Mohm Contact Resistance, maximum: 100 mOhm Contact Resistance Variation, maximum: 20 mOhm Dielectric Withstand Voltage, RMS, conductive surface: 1,500 Vac @ 60 Hz Dielectric Withstand Voltage, RMS, contact-to-contact: 1,000 Vac @ 60 Hz	
5	Plastic Housing - Polycarbonate, UL94V-0 rated	
6	Shall feature strain-relief unit for secure termination and contamination.	
7	Intertek 4 connector channel test report should be submitted.	

Item No. 2.08 – CAT6A RJ 45 connector		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	RJ45 field installable CAT6A modular plug should supports 4 twisted pairs, 8 positions, IDC connector, UL	
2	Contact Terminal: Copper Alloy & gold plating	

Item No. 2.09 - 24 port CAT6A Jack Panel (Fully Loaded)		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	19" 24-port, loaded patch panel 1U, Category 6A UTP suitable for 10G ethernet applications.	

	Rear Cable Manager with bundle holders should be provided along with the patch panel.	
2	Plastic Housing Jack Connector - Polycarbonate, UL94V-0 rated	
3	Panel Shall support zero downtime intelligent upgrade	
4	Contact Plating 50μ" Gold/100μ" Nickel	
5	Shall be compliant to ANSI/TIA 568-C.2 and IEC 60603-7.	
6	Current rating: 1.5A Insulation resistance: 500 Mohm, min.	
7	Plug retention 132N min	
8	Shall be certified by Intertek 4 connector channel. UL Listed.	

Item No. 2.10 – Armoured 12 Core SM OFC Cable			
		Make	
		Model	
S. No	Minimum Technical Specification		Compliance (Yes/No)
1	Cable Type	12 Core Single Mode, Armoured, Unitube, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, type OS2; ITU-T G 652D, IEC 60793/60794, TIA 568-C.3; Telcordia GR-20, suitable for use in direct burial, outdoor ducts and backbone cabling.	
2	Armour	Corrugated Steel Tape Armour - Thickness > 0.15mm	
3	Water Blocking	Thixotropic Gel (Tube), Petroleum Jelly (Interstices)	
4	Attenuation	@ 1310nm <=0.35 db/Km MAX @1550nm <=0.22 db/Km MAX @1380-1386nm <=0.31dB/Km	
5	Loose tube material	Single PBTP Loose tube filled with water blocking Thixotropic gel	
6	Jacket material	FRLSZH >=2 mm	
7	Peripheral Strength	Two Steel wires / E glass Yarns	
8	Tensile Strength	1000N	
9	Crush Resistance	>=3000N/10 cm	
10	Cable Diameter	9 – 10 mm	
11	Max. Bending Radius (during installation)	20 X Overall diameters	
12	Max. Bending Radius (during full load)	16 X Overall diameter	

13	Cable weight Kg/Km	100 kg/km	
14	Operating Temperature	-10 Degree C to +70 Degree C	

Item No. 2.11 – LC to LC Fibre Patch Cord SM, 2 Mtrs			
		Make	
		Model	
S. No	Minimum Technical Specification		Compliance (Yes/No)
1	Make and Type	LC/UPC to LC/UPC Duplex tuned Fibre Optic Patch Cord 2 Mtrs, 9/125 Micron, G.657A1 OS2	
2	Cable Sheath	LSZH, jacket complaint to IEC 60332-3, NEC OFNR-LS (ETL), UL 1685 Complaint	
3	Cable Diameter	1.5 to 2.0 mm twin zip	
4	Insertion Loss	MAX 0.25 db	
5	Return Loss	> 50 db	
6	Temperature Range	-5 Degree C to +60 Degree C	
7	ROHS	ROHS Compliant	

Item No. 2.12 & 2.13 – Fully Loaded LIU for 12 & 24 Core OFC loaded with LC adapter, pigtail for SM Fibre Cable			
		Make	
		Model	
S. No	Minimum Technical Specification		Compliance (Yes/No)
1	Factory fitted fully loaded shelf, sliding drawer style, pre-loaded with LC adapters, Pigtails, management rings (2 nos), splice trays.		
2	Fibre Management Shelf Shall be available in 12/24F in 1U		
3	fibre Management Shelf Shall be supplied with all splicing accessories like splice sleeves, grounding lugs (2 nos), cable grommets, cleaning kit etc.		
4	Fibre Management Shelf Sliding drawer for ease of access inside of shelf. Drawer shall have front locking latches.		
5	Shall be min 300 mm depth for fibre storage.		
6	Optical Fibre LC Duplex Adapters pre-loaded in shelf		
7	No of Adapters/ Plates Preloaded as per requirement		
8	Pigtail LC, Single mode, 9/125 µm, Max IL 0.3dB, pre-fitted		
9	Material CRCA Sheet Steel with power coating.		

Item No. 3.01 – Indoor Floor Mountable 42U Rack			
		Make	
		Model	
S. No	Minimum Technical Specification		Compliance (Yes/No)

1	Modularity and Scalability to enable future expansion, conforms to DIN 41494, Aluminum and CRCA construction. Width 800mm Depth:800-1000 mm; 42U, Provision for Floor Mounting, Front caster with foot break 100Kg, Fan housing Unit with 4 Fans 90CFM, Earthing Kit, 2 no each horizontal & Vertical Cable Organizer with plastic loops	
2	Corrosion Resistance: Salt spray test according to ISO 9227 (NSS test) and IEC EN 60068-2-11 (Ka test) for 168 hours: degree of Rusting Ri1 according to ISO 4628-3, propagation ≤1 mm according to ISO 4628-8.	
3	Side panels are detachable with slam latches on side panels, Top cover with cutout for Fans & bottom cover with the cable entry exit provision.	
4	Rack should have Front Flat Single Perforated Door and Dual Perforated door at Rear.	
5	Rack should have 1 No Fixed shelf with min 700mm depth but should not exceed rack depth suitable for mounting Non-Rack mountable Equipment's	
6	Rack should have 1 No Key Board shelf with min 700mm depth but should not exceed rack depth.	
7	Manufactured by ISO 9000 & ISO 14001 Certified Company. Product should be UL Listed/certified.	
8	Rack should Conform to DIN 41494 or Equivalent EIA /ISO / EN/CEA Standard. Rack should have 100% assured compatibility with all equipment's conforming to DIN 41494 (General industrial standard for equipment's)	
9	Rack should have 2 Nos Server /IT Rack mount power distribution unit, 1Ph, 230V, 32A, 50/60Hz, Zero U standard with 12 X Indian Round Pin 5/15A, 16A MCB X 2 Circuits/32A x 1MCB Circuit - PDU Rating 7.3KVA/Bottom feed-3Mt	
10	1 Years Onsite Warranty Comprehensive	

Item No. 3.02 – Indoor Wall Mountable 12U Rack		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Should be 12U Height Rack and have mounting bracket in front & rear and should be wall mountable with side panels, Front Glass Door with lock. Width 550 mm Depth:600 mm or more.	
2	Fans 90 CFM 230 VAC with 2 cooling fans on top, Exit & Entry for Cables on top & Bottom, should have Proper Grounding & Bonding.	
3	2 No PDU Horizontal 5/15 Amp with 6 sockets with 3m cable, 1 no horizontal cable manager	
4	1U Wire Manager; Mounting Hardware, Earthing Kit 1no	
5	Manufactured by ISO 9001 & ISO 14001 Certified Company.	
6	Rack should Conform to DIN 41494 or Equivalent EIA /ISO / EN/CEA Standard.	

	Rack should have 100% assured compatibility with all equipment's conforming to DIN 41494 (General industrial standard for equipment's)	
7	1 Years Onsite Warranty Comprehensive	

Item No. 3.03 Outdoor AC Rack Minimum 12U Rack		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Overall Sizes: - Minimum Height = 12U or higher, Width 600mm or higher: Depth 600mm or higher,	
2	Single skin Fixed Side & Rear Panel.	
3	Outdoor cabinet shall be made out of CRCA/HDG Steel.	
4	19" Mounting angles shall be provided at a pair at front and a pair at rear	
5	Air inlet provision with external IP Hood & washable filter arrangement shall be provided on the door.	
6	The cabinet shall floor standing cabinet with Roof Canopy	
7	Horizontal cable manager with PVC Loops 1 no	
8	2 No of 90 CFM, 230 VAC fans shall be provided on top cover	
9	1U Horizontal PDU with 6 nos. of 5 Amp sockets with 16 Amp MCB & 3Mtr main cord- 1 no	
10	The cabinet shall be in compliance with IP54 IP Rating	
11	Enclosures shall be provided powder coating with "Nano Ceramic process" for longer life.	
12	Rack should Conform to DIN 41494	
13	Manufactured by ISO 9001 & ISO 14001 Certified Company	
14	Shall be in compliance with ROHS standards	
15	AC Panel/ Climate Control Unit:	
15.1	Mounting: Side/ Door mounting	
15.2	Cooling capacity: 500 Watts	
15.3	Refrigerant: R 134a	
15.4	Operating Ambient Temperature: 10°C ± 50°C	
15.5	Maximum Ambient Temperature: 50°C	
15.6	Compressor type: Hermetically sealed, Reciprocating	
15.7	Condenser Coil: Aluminium coil with copper tubes	
15.8	Condenser Fan: Backward curved	
15.9	Evaporator Coil: Aluminium coil with copper tubes	
15.10	Evaporator Fan: Backward curved	
15.11	Body Material: MS Body Power Coated	
15.12	Colour: RAL 7035	
15.13	Power Input Supply: 230V +/- 10%, 50 Hz, 1 Phase	
15.14	Operating Voltage: 230V	
15.15	Temperature controller: Digital type with LCD display	
16	1 Years Onsite Warranty Comprehensive	

Sub-Head B – Technical Compliance to be submitted on Bidder's/ OEM's Letter Head

Item No. 1.05 – 8TB HDD		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Capacity: 8TB, 3.5-inch	
2	Class: Surveillance grade SATA drive	
3	Spindle Speed (RPM): 7200	
4	Operating Temperature: 5 to 60-degree C	
5	Warranty: 1 Year	

Item No. 1.14 – 8 Port FXO / FXS Convertor for Analog Telephone		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	VoIP : Connector : 1 no. 10/100 Base-T (RJ45) Port VoIP Protocol support: SIPv2, SDP, RTP Network Protocol support : IPv4, TCP, UDP, HTTP Voice Processing Techniques : Voice Activity Detection (VAD), Dynamic Jitter Buffer (Adaptive), Dynamic Jitter Buffer (Adaptive) Security : TLS over SIP / SRTP over SIP	
2	FXS: Connector: 8 nos. RJ11 Port Return Loss : >18dB Dialling & Reception support (DTMF) : ITU-T Q.23 and Q.24 CLI Reception support : FSK ITU-T V.23, DTMF and FSK Bellcore 202	
3	The Product should be offered with one-year comprehensive warranty	

Item No. 2.01 – 2 pair Telephone Cable		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Minimum 2 pair copper cable for voice connectivity	
2	The cable jacket shall be PVC Unarmoured	

Item No. 2.02 – Single face plate for Telephone Point		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Single Gang square plate, 86mmx86mm, Port - Single / Dual / Quad as per req.	
2	Write on labels in transparent plastic window – supplied with plate	
3	Screw hole covers – to be supplied with plate	

4	Should be able to support variety of jacks – UTP, STP, Fiber, Coax etc.	
5	Plug in Icons – Icon tree – to be supplied with plate	
Module		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Cat 6 I/O Jack to maintain clean secure connections and Suitable for high-speed data transmission	
2	Wire terminal - 200 termination cycles	
3	Modular Jack - 750 mating cycles	
4	Plastic Housing - Polycarbonate, UL94V-0 rated or equivalent	

Item No. 4.01 - PVC Flexible		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Should be made of PVC (Poly Vinyl Chloride) & flexible nature & ISI Marked	
2	Inner diameter: 32 mm or higher required as per site condition for joining Conduits & other items	

Item No. 4.02 - Metal Flexible		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Should be made of iron/steel & should be flexible in nature & ISI Marked	
2	Inner diameter: 32 mm or higher required as per site condition for joining Conduits & other items	

Item No. 4.03 - HDPE Pipe		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	HDPE (High Density polyethylene) telecom ducts for use as Optical Fibre Cable ducts. Smooth inside & outside surface free from blisters, shrink, hole, scratches & roughness	
2	Outer diameter: 40 + 0.4 / - 0.0 mm	
3	Wall Thickness: 3.5 +/- 0.2 mm	
4	Ovality: 1.4 mm Max	
5	Thickness of Permanent lubricant: >0.4 mm	
6	ESCR - Sample shall not crack or split	
7	Crush Resistance: deflection shall be less than 10% with 50 kg load for 1 minute and recovery for 5 minutes shall be less than 2%	
8	Impact Strength: There Should be no crack or split when 10 kg load dropped from 1.5 mtr height after conditioning at 0 deg centigrade per hour	
9	Pressure Rating: 6 kg/sq cm	

10	Accessories: Coupler, End Plug, Endcap shall be included	
11	Suitable for direct burial applications	

Item No. 4.04 - GI Pipe/Conduit		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	GI (Galvanized Iron) conduit for use as Optical Fibre Cable ducts & conduit should be ISI Marked	
2	Outer diameter: 40 mm +/- .4 mm	

Item No. 4.05 - PVC Channel ISI Marked		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	PVC (Poly Vinyl Chloride) channel type casing of 25mm width or higher as per site requirement. Channel should be ISI Marked	

Item No. 4.06 - PVC Conduit ISI Marked		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Outer diameter: 25 mm +/- 0.4mm & conduit should be ISI Marked	

Item No. 4.07 - Route Marker - Concrete		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	The route markers should be made up of PCC of the size 100 cm (height) x 15 cm (width) x 10cm (thickness), with rounded top portion and with exposed area painted in yellow colour and engraved with words "IT OFC" for areas where OFC is laid. Engraved words should be painted with black colour. Some of the route markers to be used to indicate underground fibre joints/loops should be painted in Red colour. Good plastic paint may be used for painting & writing words to last long. Arrow showing the direction of OFC Cable should be marked.	

Item No. 4.08 – OFC Route Marker - Flexible		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	The route markers should be made up of PVC of 100 cm (height), round shape frangible type for sensitive & selected areas "IT OFC" Should be marked with florescent colour.	

Item No. 4.09 – 20 pair Krone box		
Make		
Model		

S. No	Minimum Technical Specification	Compliance (Yes/No)
1	The krone box should be made up metal type & square shape, Should be loaded with Minimum 2no of 10 pair copper krone module.	

Item No. 4.10 – 4 Mtr pole		
Make		
Model		
S. No	Minimum Technical Specification	Compliance (Yes/No)
1	Should have Usable 4 Meter length. Min. Dia 100mm	
2	GI pole should be with min 25 x 25 cm baseplate & equipped with required accessories for floor mounting or ground mounting.	
3	Should be corrosion resistance & should withstand at least 80 kgs of weight mounted on it.	
4	Certification IS 1161 / ISI	

Item No. 4.11 Manhole Chamber		
Make		
Model		
S. No	Minimum Requirement	Compliance (Yes/No)
Indoor Cable Laying		
1	Heavy Duty FRP/GRP/Composite resin Manhole Chamber suitable for laying of OFC Cables. Size 900mm x 600mm x1200mm (L x B x H)	
2	Chamber cover should of heavy duty M20 grade RCC cover with minimum thickness of 100mm. Thickness of the cover should within +/- 5mm tolerance.	
3	Load bearing capacity should be minimum 2.5 Ton or higher	
4	Cover should be supplied with engraved at the TOP of the Cover "AAI IT OFC".	
5	Suitable arrangement for lifting of Cover should be available.	
6	Load test certificate should be submitted on delivery of the items. Accepted only when pass the load test with mentioned capacity or higher.	
Fixing & Installation		
1	Earth should be excavated for installation of chamber.	
2	Shuttering Box to be made for base raft and dimension should be 1100mmx800mm for installing 900mmx600mm manhole.	
3	Depth of raft should be 75mm at the first stage before installing the weld mesh.	
4	Weld mesh of size 1100mmx800mm should be installed and after installing weld mesh 75mm of PCC should be done above.	
5	The grade of concrete should be M20 i.e. (1:1.5:3) at the both stages of raft.	
6	Depth of raft should 1200mm from the NGL.	
7	FRP MH should be perfectly fit into the raft.	

8	TOP PCC around the manhole for installation of cover should be done as per requirement and M20 grade of concrete should be used.	
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Item No. 5.01 & 5.02 - Laying of CAT 6A UTP/Outdoor UTP Cable/ Telephone Cable/ OFC Cable, 12 Core

S. No	Minimum Requirement	Compliance (Yes/No)
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Indoor Cable Laying

1	CAT 6A UTP/Outdoor UTP/Telephone Cable/OFC cable should be laid through Channel/ Conduit/ Raceway/ Cable Tray/ HDPE Pipe/ GI Conduit of required size on the wall surface or/ above the false ceiling/raceway etc. as per site requirement.	
2	Proper clamping & fixing should be done for assuring stability & finishing, as required	
3	Proper distance from electrical cable should be maintain to reduce electromagnetic interference	
4	Required size of PVC flexible/ Metal flexible/ L, T, Coupler etc. should be used in conduit joints & bends to safe guard the inside cable.	
5	Existing cable tray/ Raceway/ channel /trench should be used wherever required / available. Laying to be made as per approved layout.	

Outdoor Cable Laying

1	CAT 6A UTP/Outdoor UTP/Telephone Cable/ OFC cable should be laid through Conduit/ Channel / Raceway /Cable Tray/ HDPE Pipe/ GI Conduit of required size on the wall surface or/ through trench/raceway etc. as per site requirement	
2	Proper clamping or fixing should be done for assuring stability & finishing, as required	
3	Proper distance from electrical cable should be maintain to reduce electromagnetic interference	
4	Required size of PVC flexible/ Metal flexible/ L, T, Coupler etc. should be used in conduit joints & bends to safe guard the inside cable.	
5	Existing cable tray/ Raceway/ channel /trench should be used wherever required / available. Laying to be made as per approved layout.	

Item No. 5.03 - Laying of PVC / Metal Flexible

S. No	Minimum Requirement	Compliance (Yes/No)
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1	Should be used in conduit bents / joints / rack end/ as per site requirement	
2	Should tightly fix to the corresponding conduits in joints. No Gaps should be left between the joints.	
3	Should have sufficient gap inside to accommodate further cables if required	

Item No. 5.04 – Laying / Fixing of PVC Channel/Conduit/ Box Channel /Tray

S. No	Minimum Requirement	Compliance (Yes/No)
Through Wall		
1	Required size PVC Channel/Conduit/ Box channel/Tray should be laid through the wall surface as per site requirement.	
2	Proper clamping (metal/PVC) & fixing at suitable distance should be done for assuring stability & finishing of laid product.	
3	Required size of joint kit/Coupler should be used at joints & bending.	
4	Marking for identification with suitable material should be done.	
Through Raceway/ Cable Tray/ Existing Trench/ False Ceiling etc.		
1	Required size PVC Channel/Conduit/ Box channel/Tray should be laid on existing Raceway/ Cable Tray/ Existing Trench/ False ceiling etc as per site requirement	
2	Proper clamping (metal/PVC) & fixing in suitable distance should be done for assuring stability & finishing of laid product. Marking for identification with suitable material should be done.	

Item No. 5.05, 5.06, 5.07 & 5.08 – Laying of HDPE Pipe/ GI Conduit		
S. No	Minimum Requirement	Compliance (Yes/No)
Through Wall		
1	Required size HDPE/GI conduit should be laid through the wall surface as per site requirement. Marking for identification with suitable material should be done.	
2	Proper clamping (metal/PVC) & fixing at suitable distance should be done for assuring stability & finishing of laid Pipe/Conduit. Coupler as per site requirement should be used.	
Through Raceway/ Cable Tray/ Existing Trench etc.		
1	Required size HDPE/GI conduit should be laid on the existing Raceway/ Cable Tray/Trench as per site requirement. Marking for identification with suitable material should be done.	
2	Proper clamping (metal/PVC) & fixing at suitable distance should be done for assuring stability & finishing of laid Pipe/Conduit. Coupler as per site requirement should be used.	
Through Soft Soil		
1	Required size HDPE/GI conduit should be laid through soft soil. Coupler as per site requirement should be used to join the conduits.	
2	Digging of soft soil includes earth digging & back filling the trench with sand & bricks and finally compacting the trench with excavated soil.	
3	The depth of the trench from top of the surface shall be approx. 100 cm and minimum 30 cm width. Sand & bricks filling up to 25 cm from below & rest soil compacting (earth surface side).	
Through Hard Soil		
1	Required size HDPE/GI conduit should be laid through the hard soil. Coupler as per site requirement should be used to join the conduits.	

2	Digging of hard soil includes earth digging & back filling the trench with sand & bricks and finally compacting the trench with excavated soil	
3	The depth of the trench from top of the surface shall be approx. 100 cm and minimum 30 cm width. Sand & bricks filling up to 25 cm from below & rest soil compacting (earth surface side).	
Through Concrete		
1	Required size HDPE/GI conduit should be laid inside the concrete. Coupler as per site requirement should be used to join the conduits.	
2	Laying through the concrete includes concrete cutting & back filling with sand & bricks and restoration with concrete	
3	The depth of the trench from top of the surface shall be approx. 30 cm and minimum 10 cm back filling with Sand & brick Final, restoration with concrete should be ensured.	
Through Road Cutting		
1	Required size HDPE/GI conduit should be laid inside the road	
2	Laying through the Road includes road cutting either by making trench on the surface or by drilling across the roads	
3	The road should be dig and refilled with sand & brick including restoration of Road Or manual boring /drilled at suitable depth atleast 1 meter below the road & restoration with sand & bricks	

Item No. 5.09 - Installation, Integration of Entire Network		
S. No	Minimum Requirement	Compliance (Yes/No)
1	As Per Industry Standard & AAI Requirements. Integration of the Existing Network with the Network commissioning in scope.	

Item No. 5.10 - Documentation, Testing & Commissioning of Entire Solution		
S. No	Minimum Requirement	Compliance (Yes/No)
1	Final Testing & Commission of whole project by the vender in presence of End Customer has to be done.	
2	After project/work completion vendor have to submit detailed documentation of entire project in soft & hard copy along with site hand over documentation.	
3	Following details should be included in documentation: <ul style="list-style-type: none"> • Overall Network Diagram & Distribution Flowchart • All User Id & Password • All types of cable laying route diagram • All Rack Position & the connection details. • All I/O, Patch Panel, LIU distribution diagram. • All Data Connection details • All Active Components details • Basic Troubleshooting steps for common occurring problems. • UPS basic troubleshooting steps. 	

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Annexure – XXII: Proforma for Certificate of Satisfactory Service

Certificate of Satisfactory Service

Name of the Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport

Tender Reference No: AAI/ER/IT/NIT/2021-22/02

Tender ID: 2022_AAI_120212_1

It is certified that the Annual Maintenance Services of Equipments & Accessories by M/s_____ had been satisfactory and as per the provisions of the Contract laid down in the Contract Document _____ dated _____ during the quarterly period from _____ to _____.

**(Project Manager - AAI)
Airports Authority of India**

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Schedule – A: Schedule of Anticipated Quantities

Name of Work: Establishment & Augmentation of IT & Airports Systems Infrastructure at Rourkela Airport.

Tender Reference No: AAI/ER/IT/NIT/2021-22/02

Tender ID: 2022_AAI_120212_1

Sl. No.	Item Description	Qty	Units	Unit Cost excluding GST	Total Cost excluding GST
1	Active Components				
1.01	Supply, Installation, Configuration, Testing & Commissioning of Outdoor IP IR Fixed Bullet Camera with 1 year warranty	13	No		
1.02	Supply, Installation, Configuration, Testing & Commissioning of Indoor IP IR Dome Camera with 1 year warranty	7	No		
1.03	Supply, Installation, Configuration, Testing & Commissioning of Outdoor IP IR PTZ Camera with 1 year warranty	2	No		
1.04	Supply, Installation, Configuration, Testing & Commissioning of 64 Chanel Network Video Recorder having 8 sata slot with 1 year warranty	1	No		
1.05	Supply, Installation, Configuration, Testing & Commissioning of 8TB HDD with 1 year warranty	6	No		
1.06	Supply, Installation, Configuration, Testing & Commissioning of UTM with subscription & 1 years warranty	1	No		
1.07	Supply, Installation, Configuration, Testing & Commissioning of Layer 2 PoE + Switch Min. 24 Port with 1 year warranty	3	No		
1.08	Supply, Installation, Configuration, Testing & Commissioning of 10G SFP for switches with 1 year warranty	14	No		
1.09	Supply, Installation, Configuration, Testing & Commissioning of Layer 2 POE + Switch Min. 8 Port with 1 year warranty	6	No		
1.10	Supply, Installation, Configuration, Testing & Commissioning of Wireless Access Point with 1-year warranty. One of them should work as WAP Controller	5	No		
1.11	Supply, Installation, Testing & Commissioning of 1KVA Integrated UPS with at least 10 minutes back up with 1-year warranty on UPS & Batteries	4	No		

Sl. No.	Item Description	Qty	Units	Unit Cost excluding GST	Total Cost excluding GST
1.12	Supply, Installation, Configuration, Testing & Commissioning of 55" Display Screen with duty cycle 24 x7 with 1-year warranty	2	No		
1.13	Supply, installation, Configuration, Testing & Commissioning of 49" LFD with duty cycle 24 x 7 having rj45 port with 1-year warranty	4	No		
1.14	Supply, Installation, Configuration, Testing & Commissioning of 8 Port FXO / FXS Converter for Analog Telephone with 1 year warranty	1	No		
2	Passive Components				
2.01	Supply of 2 pair Telephone Cable	400	Mtr		
2.02	Supply, Installation, Fixation, Termination, Testing & Commissioning of I/O Complete with single face plate, module & Back box for Telephone Point	22	No		
2.03	Supply of CAT6A Indoor UTP Cable (LSZH)	3355	Mtr		
2.04	Supply of CAT6A Outdoor UTP Cable (LSZH)	915	Mtr		
2.05	Supply, Installation, Testing & Commissioning of CAT6A Patch Cord 1Mtrs	65	No		
2.06	Supply, Installation, Testing & Commissioning of CAT6A Patch Cord 2 Mtrs	20	No		
2.07	Supply, Installation, Fixation, Termination, Testing & Commissioning of CAT6A I/O Complete with single face plate, module & Back box	30	No		
2.08	Supply, Installation, Fixation, Termination, Testing & Commissioning of CAT6A RJ45 Connector	80	No		
2.09	Supply, Installation, Testing & Commissioning of CAT6A 24 port Jack Panel (Fully Loaded)	3	No		
2.10	Supply of Armoured 12 Core SM OFC Cable	3000	Mtr		
2.11	Supply, Installation, Testing & Commissioning of Fiber Patch Cord (SM) (duplex 2 Mtr, LC-LC)	14	No		
2.12	Supply, Installation, Testing & Commissioning of Fully Loaded LIU for 12 Core OFC loaded with LC adapter, pigtail for SM Fibre Cable	2	No		
2.13	Supply, Installation, Testing & Commissioning of Fully Loaded LIU for 24 Core OFC loaded with LC adapter, pigtail for SM Fibre Cable	6	No		
3	Racks				

Sl. No.	Item Description	Qty	Units	Unit Cost excluding GST	Total Cost excluding GST
3.01	Supply, Installation, Testing & Commissioning of Indoor Floor Mount 42U Rack with 1-year warranty	1	No		
3.02	Supply, Installation, Testing & Commissioning of Indoor Wall Mount 12U Rack with 1-year warranty	1	No		
3.03	Supply, Installation, Testing & Commissioning of outdoor AC Rack Minimum 12U Rack with 1-year warranty	5	No		
4	Other Miscellaneous Items				
4.01	Supply of PVC Flexible	50	Mtr		
4.02	Supply of Metal Flexible	80	Mtr		
4.03	Supply of HDPE Pipe	1,500	Mtr		
4.04	Supply of GI Pipe/ Conduit	40	Mtr		
4.05	Supply of PVC Channel ISI Marked	100	Mtr		
4.06	Supply of PVC Conduit ISI Marked	150	Mtr		
4.07	Supply, Installation, Testing & Commissioning of OFC Route Marker - Concrete	10	No		
4.08	Supply, Installation, Testing & Commissioning of OFC Route Marker - Flexible	20	No		
4.09	Supply, Installation, Testing & Commissioning of 20 pair krone box with module with 1 year warranty	2	No		
4.10	Supply, Installation, Testing & Commissioning of 4 Mtr pole	4	No		
4.11	Supply, Installation, Testing & Commissioning of Heavy Duty FRP/GRP/Composite resin Manhole Chamber suitable for laying of OFC Cables. Minimum Size 900mm x 600mm x1200mm (L x B x H), Chamber cover should of heavy duty M20 grade RCC cover with minimum thickness of 100mm. Thickness of the cover should within +/- 5mm tolerance.	6	Nos.		
5	Services				
5.01	Laying of CAT6A UTP/ 2Pair Telephone Cable through Channel/ Conduit/ Raceway/ Cable Tray/ HDPE Pipe/ GI Conduit/ Pipe / Wall etc.	4,670	Mtr.		
5.02	Laying of OFC Cable 12 Core SM through HDPE Pipe/ GI Conduit/Raceway/ Cable Tray, Wall etc.	3,000	Mtr.		
5.03	Laying of PVC/ Metal Flexible	130	Nos		

Sl. No.	Item Description	Qty	Units	Unit Cost excluding GST	Total Cost excluding GST
5.04	Laying / Fixing of PVC Channel/ Conduit/ Box Channel through Wall/ Raceway/ Cable Tray/ Existing Trench/ False Ceiling etc.	250	Mtr.		
5.05	Laying of HDPE Pipe/ GI Conduit through Wall/ Raceway/ Cable Tray/ Existing Trench etc.	520	Mtr.		
5.06	Laying of HDPE Pipe/ GI Conduit through Soft Soil digging and back filling with sand & brick	500	Mtr.		
5.07	Laying of HDPE Pipe/ GI Conduit through Hard Soil digging and back filling with sand & brick	500	Mtr.		
5.08	Laying of HDPE Pipe/ GI Conduit through Road / Concrete Cutting and restoration of Road & Concrete	20	Mtr		
5.09	Installation, Configuration, Integration, Testing & Commissioning of Entire Infrastructure as per AAI Requirement	1	Job		
5.10	Project Documentation of Entire Solution	1	Job		
6	Comprehensive Annual Maintenance for 1st to 5th year				
6.01	Comprehensive Annual Maintenance Contract of Outdoor HD IP PTZ Camera for 1st, 2nd year, 3rd, 4th & 5 year (Make Sparsh Model SS-IPR20135P-W)	3	No		
6.02	Comprehensive Annual Maintenance Contract of Indoor HD IP PTZ Camera for 1st, 2nd year, 3rd, 4th & 5 year (Make Sparsh Model SS-IPR20135P-W)	3	No		
6.03	Comprehensive Annual Maintenance Contract of Outdoor Fixed HD IP Camera (Bullet) for 1st, 2nd year, 3rd, 4th & 5 year (Make Sparsh Model SC-IP20XP-R-20)	1	No		
6.04	Comprehensive Annual Maintenance Contract of Indoor Fixed HD IP Camera for 1st, 2nd year, 3rd, 4th & 5 year (Make Sparsh Model SC-IP20DSP-V212R2)	9	No		
6.05	Comprehensive Annual Maintenance Contract of Display Screen 40 inches HD LED Monitor for 1st, 2nd year, 3rd, 4th & 5 year (Make VU)	1	No		
6.06	Comprehensive Annual Maintenance Contract of D-link 24 Port 10*100 with combo ports for 1st, 2nd year, 3rd, 4th & 5 year (Make D-Link)	1	No		

Sl. No.	Item Description	Qty	Units	Unit Cost excluding GST	Total Cost excluding GST
6.07	Comprehensive Annual Maintenance Contract of 12V DC 2 AMP Power supply adapter for 1st, 2nd year, 3rd, 4th & 5 year (Make Sparsh)	9	No		
6.08	Comprehensive Annual Maintenance Contract of LED Monitor 43 inches for 1st, 2nd year, 3rd, 4th & 5 year (Make LG)	3	No		
6.09	Comprehensive Annual Maintenance Contract of Server Dell for 1st, 2nd year, 3rd, 4th & 5 year (Make Dell Poweredge R330)	1	No		
6.10	Comprehensive Annual Maintenance Contract of Workstation Dell for 1st, 2nd year, 3rd, 4th & 5 year (Make Dell Optiplex 3050)	1	No		
6.11	Comprehensive Annual Maintenance Contract of D-link Switch for 1st, 2nd year, 3rd, 4th & 5 year (Make D-Link)	1	No		
7	Comprehensive Annual Maintenance for 2nd to 5th year				
7.01	Comprehensive Annual Maintenance Contract of Outdoor IP IR Fixed Bullet Camera for 2nd year, 3rd, 4th & 5 year	13	No		
7.02	Comprehensive Annual Maintenance Contract of Indoor IP IR Dome Camera for 2nd year, 3rd, 4th & 5 year	7	No		
7.03	Comprehensive Annual Maintenance Contract of Outdoor IP IR PTZ Camera for 2nd year, 3rd, 4th & 5 year	2	No		
7.04	Comprehensive Annual Maintenance Contract of 64 Chanel Network Video Recorder having 8 sata slot for 2nd year, 3rd, 4th & 5 year	1	No		
7.05	Comprehensive Annual Maintenance Contract of 8TB HDD with 1 year warranty	6	No		
7.06	Comprehensive Annual Maintenance Contract of UTM with subscription for 2nd year, 3rd, 4th & 5 year	1	No		
7.07	Comprehensive Annual Maintenance Contract of Layer 2 PoE + Switch Min. 24 Port for 2nd year, 3rd, 4th & 5 year	3	No		
7.08	Comprehensive Annual Maintenance Contract of 10G SFP for switches for 2nd year, 3rd, 4th & 5 year	14	No		

Sl. No.	Item Description	Qty	Units	Unit Cost excluding GST	Total Cost excluding GST
7.09	Comprehensive Annual Maintenance Contract of Layer 2 POE + Switch Min. 8 Port for 2nd year, 3rd, 4th & 5 year	6	No		
7.10	Comprehensive Annual Maintenance Contract of Wireless Access Point for 2nd year, 3rd, 4th & 5 year	5	No		
7.11	Comprehensive Annual Maintenance Contract of 1KVA Integrated UPS along with batteries with atleast 10 minutes back up for 2nd year, 3rd, 4th & 5 year	4	No		
7.12	Comprehensive Annual Maintenance Contract of 55" Display Screen with duty cycle 24 x7 for 2nd year, 3rd, 4th & 5 year	2	No		
7.13	Comprehensive Annual Maintenance Contract of 49" LFD with duty cycle 24 x 7 having rj45 port for 2nd year, 3rd, 4th & 5 year	7	No		
7.14	Comprehensive Annual Maintenance Contract of 8 Port FXO / FXS Convertor for Analog Telephone for 2nd year, 3rd, 4th & 5 year	1	No		
7.15	Comprehensive Annual Maintenance Contract of Indoor Floor Mount 42U Rack for 2nd year, 3rd, 4th & 5 year	1	No		
7.16	Comprehensive Annual Maintenance Contract of Indoor Wall Mount 12U Rack for 2nd year, 3rd, 4th & 5 year	1	No		
7.17	Comprehensive Annual Maintenance Contract of outdoor AC Rack Minimum 12U Rack for 2nd year, 3rd, 4th & 5 year	5	No		
7.18	Comprehensive Annual Maintenance Contract of Entire Passive Components including Cables/ Conduits/ Pipes/ Patch Panel/ LIU / Fibre Patch Cord/ Complete I/O, Krone/ Telephone/ Data points etc. for 2nd year, 3rd, 4th & 5 year	1	Job		