Government eProcurement System

eProcurement System Government of India

Tender Details

Date : 06-Nov-2026 04:39 PM

Print

Basic Details

Organisation Chain	National Institute of Technology Tiruchirappalli		
Tender Reference Number	050/CAPEX(OH-35)/26-27/MOF-CDI		
Tender ID	2026_NITT_933498_1	**Withdrawal Allowed**	Yes
Tender Type	Open Tender	**Form of contract**	Supply
Tender Category	Goods	**No. of Covers**	4
General Technical Evaluation Allowed	No	**ItemWise Technical Evaluation Allowed**	No
Payment Mode	Offline	**Is Multi Currency Allowed For BOQ**	No
Is Multi Currency Allowed For Fee	No	**Allow Two Stage Bidding**	No

Payment Instruments

	S.No	Instrument Type
Offline	1	Direct Credit

Cover Details, No. Of Covers - 4

Cover No	Cover	Document Type	Description
1	Fee	.pdf	Scanned Copy of EMD/Bid Security in the form of SBI collect
		.pdf	EMD Returning Form and Mandate Form for Electronic Fund Transfer/ RTGS Transfer
2	PreQual	.pdf	Declaration by the firm that it has never been black-listed
		.pdf	Profile of each Bidder and past experience in supply and installation of the material
		.pdf	Minimum Local Content declaration ANNEXURE-C
		.pdf	Land Border Sharing Declaration as per ANNEXURE-D
		.pdf	Manufacturers authorization certificate
		.pdf	Checklist for Bid/Tender Submission

		.pdf	Copy of the last three years audited balance sheet of your firm
3	Technical	.pdf	Tender Forms (Techno Commercial Un-Priced Bid and Tender Acceptance Letter)
		.pdf	Scanned Copy of Completion Schedules
		.pdf	Technical Bid (brochures / pamphlets)
		.pdf	Scanned Copy of written confirmation authorizing the signatory of the Bid to commit the Bidder
		.xls	Technical Bid
		.pdf	Technical Bid
4	Finance	.pdf	Scanned Copy of Tender form (Priced Bid)
		.xls	BOQ
		.pdf	Scanned copy of item wise breakup of price bid

Other Important Documents

S.No	Category	Sub Category	Sub Category Description	Format/File
1	Certificate Details	Permanent Account Number	Permanent Account Number Details	
2	Certificate Details	Registration Certificate	Registration Certificate Details	
3	Certificate Details	Bidders Address Format	Bidders Address Format Details	
4	Certificate Details	Provident Fund Certificate	Provident Fund Certificate	
5	Certificate Details	Employees State Insurance Certificate	Employees State Insurance Certificate	
6	Certificate Details	GST Registration Certificate	GST Registration Certificate	
7	Financial Details	Audited Profit and Loss Account and Balance Sheet Details for last 3 Years	Audited Profit and Loss Account and Balance Sheet Details for last 3 Years	

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	**Fee Payable At**	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	1,00,000	**EMD Exemption Allowed**	Yes
EMD Fee Type	fixed	**EMD Percentage**	NA
EMD Payable To	AS PER TENDER DOCUMENT	**EMD Payable At**	AS PER TENDER DOCUMENT

Click to view modification history

Work /Item(s)

Title	Supply and installation of SMART ACCESS CONTROL AND VEHICLE MANAGEMENT SYSTEM				
Work Description	Supply and installation of SMART ACCESS CONTROL AND VEHICLE MANAGEMENT SYSTEM				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	No				
Tender Value in ₹	0.00	**Product Category**	Miscellaneous Goods	**Sub category**	NA
Contract Type	Tender	**Bid Validity(Days)**	180	**Period Of Work(Days)**	28
Location	NIT, TIRUCHIRAPPALLI	**Pincode**	620015	**Pre Bid Meeting Place**	Centre for Digital Infrastructure
Pre Bid Meeting Address	Centre for Digital Infrastructure, NIT,Trichy	**Pre Bid Meeting Date**	12-Nov-2026 11:00 AM	**Bid Opening Place**	STORES AND PURCHASE SECTION
Should Allow NDA Tender	No	**Allow Preferential Bidder**	No		
Tenderer Class	As per Tender Document				

Critical Dates

Publish Date	06-Nov-2026 05:30 PM	**Bid Opening Date**	30-Nov-2026 05:30 PM
Document Download / Sale Start Date	06-Nov-2026 05:30 PM	**Document Download / Sale End Date**	27-Nov-2026 05:30 PM
Clarification Start Date	NA	**Clarification End Date**	NA
Bid Submission Start Date	06-Nov-2026 05:30 PM	**Bid Submission End Date**	27-Nov-2026 05:30 PM

Tender Documents

NIT Document

S.No	Document Name	Description	Document Size (in KB)
1	Tendernotice_1.pdf	TENDER NOTICE	479.18

Work Item Documents

S.No	Document Type	Document Name	Description	Document Size (in KB)
1	BOQ	BOQ_980972.xls	BoQ	331.00
2	Tender Documents	tender.pdf	Tender Document	1984.07
3	Additional Documents	tech.xls	TECHNICAL	126.00

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	milton@nitt.edu	Milton B	B MILTON
2.	chandrang@nitt.edu	HEMACHANDRAN G	HEMACHANDRAN G
3.	askumar@nitt.edu	Ashok Kumar	A S Ashok Kumar

GeMARPTS Details

GeMARPTS ID	MKZPAZE4DAZ1
Description	Item not available in GeM as per our specifications
Report Initiated On	03-Nov-2026
Valid Until	03-Dec-2026

Tender Properties

Auto Tendering Process allowed	No	**Show Technical bid status**	Yes
Show Finance bid status	Yes	**Stage to disclose Bid Details in Public Domain**	Technical Bid Opening
BoQ Comparative Chart model	Normal	**BoQ Compartive chart decimal places**	2
BoQ Comparative Chart Rank Type	L	**Form Based BoQ**	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	
2	MSEs Order 2012	Agree	

Tender Inviting Authority

Name	Dr.ASHWINTH JANARTHANAN
Address	Dr.ASHWINTH JANARTHANAN, ASSISTANT PROFESSOR, CENTRE FOR DIGITAL INFRASTRUCTURE,NIT, TRICHY

Tender Creator Details

Created By	Ravula Chandrashekar
Designation	Assistant Registrar
Created Date	06-Nov-2026 02:48 PM

NATIONAL INSTITUTE OF TECHNOLOGY

Tiruchirappalli 620 015

Web: www.nitt.edu **Phone: 95005 24191**

e-Procurement Notice

Ref: NITT/F.NO:050/CAPEX(OH-35)/2026-27/MOF-CDI **Dated:06-11-2026**

Online tenders are hereby invited **in Two Bid system** from eligible interested bidders for the supply and installation of **SMART ACCESS CONTROL AND VEHICLE MANAGEMENT SYSTEM (1 No.)**

Bidders can download complete set of bidding documents from e- procurement Platform https://eprocure.gov.in/eprocure/app from **06-11-2026@ 5.30 P.M.** onwards. Bidders need to submit the bids online for the interested items by uploading all the required documents through https://eprocure.gov.in/eprocure/app.

Last Date/ Time for receipt of bids through e-procurement is: 27-11-2026@ 5.30 P.M.
Late bids shall not be accepted.

For further details regarding Tender Notification & Specifications please visit website:
https://eprocure.gov.in/eprocure/app and www.nitt.edu

CRITICAL DATE SHEET

Published Date	**06-11-2026 @ 5.30 P.M.**
Bid Document Download Start Date	**06-11-2026 @ 5.30 P.M.**
Clarification Start Date	**Not Applicable**
Clarification End Date	**Not Applicable**
Pre bid meeting **Venue of Pre-bid Meeting**	**12-11-2026 @ 11.00 A.M.** **Centre for Digital Infrastructure, NIT Tiruchirappalli**
Bid Submission Start Date	**06-11-2026 @ 5.30 P.M.**
Bid Submission End Date	**27-11-2026@ 5.30 P.M.**
Bid Opening Date(Technical)	**30-11-2026@ 5.30 P.M.**
Bid Opening Date(Price)	**Will be announced after technical evaluation**

Note: Earnest Money Deposit (EMD) is to be submitted through SBI collect.
Please refer pg 3 for further details.

This E-Tender is created and published as per the Recommendations and Approval of the respective Purchase Committee. For further queries / clarifications please contact the contact details available in Section III. BID Data Sheet (BDS).

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Tiruchirappalli 620 015

CENTRE FOR DIGITAL INFRASTRUCTURE

Web: www.nitt.edu Phone: 95005 24191

Tender Document (e-Procurement)

Tender Notification No:	:	**NITT/F.NO:050/CAPEX(OH-35)/2026-27/MOF-CDI**
Date:	:	**06-11-2026**
Name of the Department:	:	**CENTRE FOR DIGITAL INFRASTRUCTURE**
Name of the component:	:	Supply and installation of **SMART ACCESS CONTROL AND VEHICLE MANAGEMENT SYSTEM(1 No.)**
EMD Amount:	**:**	**Rs.1,00,000/-** ***(To be submitted through SBI Collect)***
Last Date & Time of submission of Tender:	**:**	**27-11-2026@ 5.30 P.M.**
Address for submission of Tender	:	**THE DIRECTOR,** NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI-15 **KIND ATTENTION TO:** Dr.ASHWINTH JANARTHANAN- ASSISTANT PROFESSOR, CENTRE FOR DIGITAL INFRASTRUCTURE
Date & Time of opening of technical bid	**:**	**30-11-2026@ 5.30 P.M.**

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EARNEST MONEY DEPOSIT(EMD) DETAILS	
1. Earnest Money Deposit (EMD) is to be submitted through SBI collect link as below. The bids submitted without EMD will be treated as non-responsive and will be rejected. EMD shall bear no interest. 2. Bidder must fill the EMD returning Form and submit in fee document. 3. EMD will be returned to the unsuccessful Bidder(s) as per the purchase norms. 4. The EMD shall be forfeited if any Bidder withdraws the offer before finalization of the tender. 5. **UDYAM & NSIC** registered Micro & small enterprises are exempted from paying EMD amount as per Govt. Norms (proof to be attached). **For availing EMD exemption, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. In respect of bid for Services, the bidder must be the Service provider of the offered services. Traders/Distributors/agents are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises.**	
EMD amount	**Rs.1,00,000/-***(To be submitted through SBI Collect)*
SBI Collect Link mode (Payment Category- NITT Tender- Earnest Money Deposit).	https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=1768557
The bidder must enclose SBI collect receipt failing which the bid shall be rejected without any further communication.	

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IMPORTANT INSTRUCTIONS TO THE PROSPECTIVE BIDDERS/VENDORS:
Beware of fraudulent calls/messages from unauthorized person(s) demanding money in the form of EMD/ Security Deposit in order to influence the award of contract. NIT-Tiruchirappalli will not be responsible for the same.
For reporting of any such incidents, you may feel free to contact: Stores and Purchase Section
Email: stores@nitt.edu
Ex. No: +91-431-250-3963/3961/3956
Detailed Circular is attached in the web link below:
https://www.nitt.edu/home/other/tenders/Instructions_to_bidders.pdf

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Checklist for Bid / Tender Submission

(The following check-list must be filled in and submitted with the bid documents)

Sl.No.	Particulars	Yes / No
1.	Have you attached the techno commercial unpriced bid form duly filled in appropriately?	
2.	Have you attached a copy of the last three years audited balance sheet of your firm	
3.	Have you attached the copy of the GSTIN certficate	
4.	Have you attached the details of the income tax return certificate, proof of manufacturing unit/ dealership letter/ general order suppliers and copy of Central / State sales tax registration certificate?	
5.	Have you attached the copies of relevant work orders from Govt. Depts. / PSUs and Central Autonomous Bodies?	
6.	EMD: Have you submitted EMD asked for (as specified in BDS). **If the bidder requesting EMD exemption, kindly attached copy of the NSIC / MSE (Micro & Small enterprises register in UDYAM Portal), Certificate should be visible, if not visible the bidder will be disqualified). Manufacturer for goods, service provider for Services are only eligible for EMD exemption (Micro and Small enterprises). Traders / Distributors / Sole Agents & Medium Enterprises are excluded from EMD exemption**. Please refer MSME Rules regarding Exemption.	
7.	Have you submitted Minimum Local content Declaration form for **Make in India clause** ?	
8.	Have you submitted Land Border clause declaration and approval from DPIIT if applicable ?	
9.	Startup company exempted from Prior turnover & Prior Experience (Startup certificate registered with DIPP should be enclosed)	
10.	Have you uploaded filled in Technical forms in Excel sheet	
11.	Have you uploaded the PDF of filled in Technical form of Excel Sheet	
12.	Have you submitted samples of all items indicated in the respective schedule of requirements at the address of tender inviting authority within due date.(if applicable as mentioned in the specification and requirements)	
13.	Have you enclosed the schedule of requirement indicating the make offered without indicating the pricing components along with the	

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	techno commercial unpriced bid?	
14.	Have you submitted the bids both techno commercial unpriced and priced bid separately for each tender?	
15.	Have you enclosed the statement of deviations from financial terms and conditions, if any?	
	PRICE BID	
1.	Have you signed and attached the priced bid form?	
2.	Have you attached the schedule of requirements duly priced?	

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SECTION-V	Institute against Corrupt and Fraudulent Practices
Part 2	**Supply Requirements**
SECTION-VI	Schedule of Requirements
	List of Goods and Delivery Schedule
	List of Related Services and Completion Schedule
	Technical Specifications
Part 3	**Contract**
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Part - 1 Bidding Procedures

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Section I:
Instructions for Online Bid Submission

Instructions to the Bidders to submit the bids online through the Central Public Procurement Portal for e Procurement at https://eprocure.gov.in/eprocure/app.

1. Possession of valid Digital Signature Certificate (DSC) and enrollment / registration of the contractors / bidders on the e-Procurement/e-tender portal are prerequisite for e-tendering.
2. Bidder should register for the enrollment in the e-Procurement site using the "Online Bidder Enrollment" option available on the home page. Portal enrollment is generally free of charge. During enrollment / registration, the bidders should provide only valid and true information including valid E-mail id. All the correspondence shall be made directly with the contractors/bidders through E-mail id as registered.
3. Bidder need to login to the site through their user ID / password chosen during enrollment / registration.
4. Then the Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY / TCS / nCode / eMudra or any other Certifying Authority recognized by Controller of Certifying Authorities (CCA) India on eToken / SmartCard, should be registered.
5. The registered DSC only should be used by the bidder in the transactions and should ensure safety of thesame.
6. Contractor / Bidder may go through the tenders published on the site and download the tender documents/schedules for thetenders.
7. After downloading / getting the tender document/schedules, the Bidder should go through them carefully and then submit the documents as required, otherwise bid will be rejected.
8. Any clarifications may be sought online through the tender site, through the contact details or during pre-bid meeting if any. Bidder should take into account the corrigendum if any published before submitting the bidsonline.
9. Bidder may log in to the site through the secured login by the user id / password chosen during enrolment / registration and then by submitting the password of the e-Token / Smartcard to access DSC.
10. Bidder may select the tender in which he / she is interested in by using the search option and then move it to the 'my tenders' folder.
11. From my tender folder, he / she may select the tender to view all the details uploaded there.
12. It shall be deemed that the bidder has read and understood all the terms and conditions before submitting the offer. Bidder should go through the tender schedules carefully and upload the documents as asked ; otherwise, the incomplete bid shall stand rejected.
13. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and ordinarily it shall be in PDF /xls / rar / jpg / dwf formats. If there is more than one document, all may be clubbed together and provided in the requested format. Bidders Bid documents may be scanned with 100 dpi with black and white option. It is advisable that each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip / rar and the same if permitted may be uploaded. The file

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size being less than 1 MB the transaction uploading time will be very fast.

14. The Bidders can update well in advance, the documents such as certificates, annual report details etc., under "My Space option" and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission process faster by reducing upload time ofbids.
15. Bidder should submit the Tender Fee / EMD as specified in the tender. The hard copy should be posted / couriered / given in person to the Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the instrument should be uploaded as part of the offer.
16. The details of the DD / any other accepted instrument, physically delivered, should tally with the details available in the scanned copy and the data entered during bid submission time, otherwise submitted bid shall not be acceptable or liable for rejection.
17. The bidder has to select the payment option as offline to pay the Tender FEE / EMD as applicable and enter details of the instruments.
18. While submitting the bids online, the bidder shall read the terms and conditions and may accept the same to proceed further to submit the bidpackets.
19. The bidder has to digitally sign and upload the required bid documents one by one as indicated. Very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read, understood and agreed with all clauses of the bid document including General conditions of contract without any exception.
20. The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid may berejected.

PRICE BID

21. If the price bid format is provided in a spread sheet file like BoQ_xxxxx.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Priced-bid / BOQ template shall not be modified / replaced by the bidder ; else the bid submitted is liable to be rejected for thetender.
22. The bidders are advised to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission due date and time (as per Server System Clock). The TIA shall not be held responsible for any delay or the difficulties faced during the submission of bids online by thebidders.
23. The time settings fixed in the server side and displayed at the top of the tender site, shall remain valid for all actions of requesting, bid submission, bid opening etc., in the e-Tender system. The bidders should follow such time during bidsubmission.

EVIDENCE FOR ONLINE BID SUBMISSION

24. After the bid submission (i.e. after Clicking "Freeze Bid Submission" in the portal), the acknowledgement number indicated by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and also be used as entry pass to participate in the bidopening.
25. All the data being entered by the bidders would be encrypted using Public Key Infrastructure (PKI) encryption techniques to ensure the secrecy of the data. The data entered is not retrievable by unauthorized persons during the bid submission and until the time of bid opening by any person.

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26. 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 theauthorized bid openers.
27. The confidentiality of the bids is maintained with the use of Secured Socket Layer (SSL) 128 bit encryption technology. Data storage encryption of sensitive fields is done.
28. The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
29. For any queries regarding e-Tendering process, the bidders may contact at address as provided in the tender document. Parallely for any further queries, the bidders are advised to contact over phone : **1-800-233-7315, 0120-4001005** or send an E-mail to cppp-nic@nic.in.

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Section II
Instructions to Bidders

Table of Clauses

A	**General**
1.	Scope of Bid
2.	Eligible Bidders
	Contents of Bidding Document
3.	Sections of Bidding Document
4.	Clarification of Bidding Documents, Site Visit, Pre-Bid Meeting
5.	Amendment of Bidding Document
	Preparation of Bids
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28.	Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids
	Award of Contract
29.	Award Criteria
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31.	Notification of Award
32.	Signing of Contract
33.	Performance Security

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Section II
Instructions to Bidders

	A.General		
1	**SCOPE OF BID**		
		Supply and installation of **SMART ACCESS CONTROL AND VEHICLE MANAGEMENT SYSTEM(1 No.)** as per Spécifications.Through out these Bidding Documents unless the context otherwise requires: " a. 'In writing " means communicated in written form (e.g. by mail, e-mail, fax, telex) with proof of receipt ; b. " Institution means National Institute of Technology, Tiruchirappalli'	
2	**ELIGIBLE BIDDERS**		
	2.1	A Bidder may be a firm, a company, a Limited Liability Partnership (LLP), a government-owned entity or any combination of such entities in the form of a Joint Venture (JV) under an existing agreement.	
	2.2	In the case of a joint venture, all members shall be jointly and severally liable for the execution of the contract in accordance with the Contract terms. The JV shall nominate a Représentative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the bidding process and during the contract execution in the event the JV is awarded the contract.	
	2.3	A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:	
		a	directly or indirectly controls, is controlled by or isunder common control with another Bidder; or
		b	receives or has received any direct or indirect subsidy from another Bidder; or
		c	has the same legal representative as another Bidder; or
		d	has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or
		e	Participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid shall result in the disqualification of all Bids in which such Bidder is involved. This, however does not limit the inclusion of the same subcontractor in more than one bid; or
		f	Has a close business or family relationship with a professional staff of the Purchaser (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or (ii) would be involved in the implementation or supervision of such contract.
	2.4	A foreign firm and individual may be ineligible if as a matter of law or regulations, India prohibits commercial relations with the country of bidder.	
	2.5	A Bidder shall provide such evidence of eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.	
3	**CONTENTS OF BIDDING DOCUMENT**		
	3.1	The Bidding Documents consist of Parts 1, 2, 3 and 4, which include all the Sections indicated below, and should be read in conjunction with any Addenda if	

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		any, issued.
	3.2	The Invitation for Bids issued by the Purchaser is not part of the Bidding Document.
	3.3	Unless obtained directly from the Purchaser, the Purchaser is not responsible for the completeness of the document, responses to requests for clarification, the Minutes of the pre- Bid meeting (if any), or Addenda to the Bidding Document. In case of any contradiction, documents obtained directly from the Purchaser shall prevail.
	3.4	The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all information or documentation as required by the Bidding Documents.
4	**CLARIFICATION OF BIDDING DOCUMENTS, SITE VISIT, PRE-BID MEETING**	
	4.1	A Bidder requiring any clarification of the Bidding Document shall contact the Purchaser in writing at the Purchaser's address specified in the BDS or raise its enquiries during the pre-bid meeting if provided. The Purchaser will respond in writing to any request for clarification, provided that such request is received prior to the deadline for submission of bids within a period specified in the BDS.
	4.2	The Bidder is advised to visit and examine the project site and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for procurement of Goods. The costs of visiting shall be at the Bidder's own expense
	4.3	The Bidder's designated representative is invited to attend a pre-bid meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
	4.4	The Bidder is advised to submit any questions in writing to reach the Purchaser not beyond one week preceding the meeting.
	4.5	Minutes of the pre-bid meeting, if applicable, including the text of the questions asked by Bidders, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Documents. Any modification to the Bidding Documents that may become necessary as a result of the pre-bid meeting shall be made by the Purchaser exclusively through the issue of an addendum and not through the minutes of the pre-bid meeting. Absence in the pre-bid meeting shall not be a cause for disqualification of a Bidder.
5	**Amendment of Bidding Document**	
	5.1	At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by corrigendum. In case of e-procurement, corrigendum / amendment shall be published on https://eprocure.gov.in/eprocure/app.
	5.2	Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents from the Purchaser. The Purchaser shall also promptly publish the addendum on the Purchaser's webpage.
	5.3	The Purchaser may, at its discretion to give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, extend the deadline for the submission of bids.

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	C.PREPARATION OF BIDS		
6	**LANGUAGE OF BID :**		
	The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in the language specified in the BDS. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into the language specified in the BDS, in which case, for purposes of interpretation of the Bid, such translation shall govern.		
7	**Documents Comprising the Bid** The tender/Bid shall be submitted online in two parts, viz.,Technical Bid and Commercial Bid.		
	7.1	**TECHNICAL BID** The following documents are to be scanned and uploaded as part of the Technical Bid as per the tender document:	
		a	Scanned copy of Tender Forms (Techno Commercial Un-Priced Bid) and Tender Acceptance Letter,);
		b	Scanned copy of the completed Schedules
		c	Scanned copy of Bid Security or copy of proof for submission of Tender Document Fee/ Earnest Money Deposit etc.;
		d	Scanned copy of written confirmation authorizing the signatory of the Bid to commit the Bidder;
		e	Scanned copy of documentary evidence establishing the Bidder's qualifications to perform the contract if its bid is accepted and the Bidder's eligibility to bid;
		f	Scanned copy of i. documentary evidence, that the Goods and Related Services to be supplied by the Bidder are of eligible origin and ii. conform to the Bidding Documents, and iii. any other document required in the BDS;
		g	Scanned copy of Pre-Qualification Details as per Section-IV like PAN/GST etc.
		h	EMD Returning Form.
		i	Mandate Form For Electronic Fund Transfer/RTGS Transfer.
		j	Technical Bid. The Technical specifications format is s available in Excel sheet TECHNICAL.xls in this E-Tender document at https://eprocure.gov.in/eprocure/app. Bidders are advised to download TECHNICAL.xls and fill their specifications in the prescribed column and upload the same in the Technical bid along with other required documents. The hard copy of the filled in Technical specifications (Excel) to be scanned and to be uploaded in PDF.
	7.2	**COMMERCIAL BID** The commercial bid comprises of: i. Scanned copy of Tender Form (Price Bid) ii. Price BID in the form of BoQ_XXXXX.xls. iii. Scanned copy of item wise break up of price bid. The Price bid format is provided a BoQ_XXXXX.xls along with this Tender Document at https://eprocure.gov.in/eprocure/app. Bidders are advised to download this BoQ_ XXXXX.xls and quote their offer/rates in the prescribed	

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		column. Bidders can quote Basic Price in INR or CURRENCY (for other than INR) but it is mandatory to quote taxes/levies in INR only, in the prescribed column and upload the same in the commercial bid.	
	7.3	The Bidder shall furnish in the Tender Forms information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.	
8		**Tender Forms (Technical and Price) and Price Schedule(BOQ)** Tender Forms and Price Schedules (Bill of Quantity-BOQ) shall be prepared using the relevant forms furnished in Section IX, Bidding Forms and BOQ provided. The forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.	
9		**Alternative Bids** Unless otherwise specified in the BDS, alternative bids shall not be considered	
10	10.1	**Bid Prices and Discounts** The prices and discounts quoted by the Bidder in the Tender Forms and in the Price Schedules (BOQ) shall conform to the requirements specified as under.	
		a	All lots (contracts) and items must be listed and priced separately in the Price Schedules (BOQ).
		b	The price to be quoted in the Tender Forms shall be the total price of the bid, excluding any discounts offered.
		c	The Bidder shall quote any discount and indicate the methodology for their application in the Tender Forms.
		d	Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise specified in the BDS. A bid submitted with an adjustable price quotation shall be treated as non- responsive and shall be rejected. However, if in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.
	10.2	Bids are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise specified in the BDS, prices quoted shall correspond to 100% of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer discounts for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted provided the bids for all lots (contracts) are opened at the same time.	
	10.3	Prices shall be quoted as specified in each Price Schedule (BOQ) as provided. The dis-aggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible country. Prices shall be entered in the following manner:	
		a	For Goods manufactured in India: 1. GST payable on the Goods, if the contract is awarded to the Bidder ; and 2. The price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the BDS ;
		c	For Related Services, other than inland transportation and other services

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			required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements: 1. The price of each item comprising the Related Services (inclusive of any applicable taxes)
11		**Currencies of Bid and Payment:** The currency(ies) of the bid and the currency(ies) of payments shall be as specified in the BDS. The Bidder shall quote in Indian Rupees.	
12	12.1	**Documents Establishing the Eligibility and Qualifications of the Bidder** To establish Bidder's their eligibility, Bidders shall complete the Tender Form (Techno Commercial Un-Priced Bid & Priced Bid), included in Section-IX, Bidding Forms.	
	12.2	The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:	
		a	that, if required in the BDS, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IX, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in India;
		b	that, if required in the BDS, in case of a Bidder not doing business within India, the Bidder is or will be (if awarded the contract) represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications;
13	13.1	**Period of Validity of Bids** Bids shall remain valid for the period specified in the BDS after the bid submission deadline date prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non –responsive.	
	13.2	In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses there to shall be made in writing. A Bidder may refuse the request without forfeiting its Earnest Money Deposit (EMD). A Bidder acceding to the request will neither be required nor permitted to modify the bid.	
14	14.1	**Bid Security** The Bidder shall furnish as part of its bid, a bid security, as specified in the BDS, in original form the amount and currency as specified in the BDS.	
	14.2	If a bid security is specified , the bid security shall be a	
		a	SBI collect
		b	An unconditional guarantee issued by a Bank. of a reputed source from an eligible country. If the unconditional guarantee is issued by a financial institution located outside India, the issuing financial institution shall have a correspondent financial institution located in India to make it enforceable The bid security shall be valid for sixty (60) days beyond the original validity period of the bid, or beyond the extended period.
	14.3	If a Bid Security is specified, any bid not accompanied responsive Bid Security, shall be rejected by the Purchaser as non-responsive.	
	14.4	The successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the contract and furnished the required performance security.	
	14.5	The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the contract and furnished the required performance security.	

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	14.6	The Bid Security of the bidder may be forfeited or the EMD executed:	
		a	if he withdraws from the bid during the period of bid validity specified by the Bidder on the Tender Forms, or any extension thereto provided by the Bidder ; or
		b	if he being successful Bidder fails to: i. sign the Contract; or ii. furnish a performance Security
	D.SUBMISSION AND OPENING OF BIDS		
15		**Sealing and Marking of Bids:** The Bidder shall submit the bids electronically, through the e-procurement system (https://eprocure.gov.in/eprocure/app). Any document submitted through any other means will not be considered as part of the Bid except for the Originals as asked for in this tender.	
16		**Deadline for Submission of Bids:** The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.	
17		**Late Bids:** The e-Procurement system would not allow any late submission of bids after due date and time as per server system. After electronic online proposal submission, the system generates a unique identification number which is time stamped. This shall be treated as acknowledgement of the proposal submission	
18		**Withdrawal, Substitution, and Modification of Bids:** A Bidder may withdraw, substitute, or modify its bid on the e-procurement system before the date and time specified but not beyond. No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Tender Forms or any extension thereof Modification/Withdrawal of the Bid sent through any other means shall not be considered by the Purchaser.	
19	19.1	**Bid Opening:** The Purchaser shall open the bids as per electronic bid Opening procedures specified in Central Public Procurement Portal (CPPP) at the date and time specified. Bidders can also view the bid opening by logging on to the e- procurement system. Specific bid opening procedures are laid down at https://eprocure.gov.in/eprocure/app under the head "Bidders Manual Kit". The tenderer/bidder will be at liberty to be present either in person or through an authorized representative at the time of opening of the Bid or they can view the bid opening event online at their remote end. Price Bids of only those tenderers shall be opened whose technical bids qualify.	
	19.2	The withdrawn bid will be available in the system therefore will be considered, if bidder once withdraws the bid then he will not be able to participate in the respective tender again. Modification to the bid shall be opened and read out with the corresponding bid. Only bids that are opened and read out at bid opening shall be considered further.	
	19.3	The Purchaser shall prepare a record of the bid opening that shall include; the name of the Bidder; whether there is a withdrawal, substitution, or modification; the Bid Price including any discounts and alternative bids; and the presence or absence of a bid security, if one was required. The Bidders' representatives who are present in the office of the Purchaser to witness the bid opening shall be requested to sign the record. The omission/refusal of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be made available on the e-procurement system.	
		E. Evaluation and Comparison of Bids	
20	20.1	**Confidentiality:** Information relating to the evaluation of bids and	

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		recommendation of contract award shall not be disclosed to bidders or any other persons not officially concerned with the bidding process until information on Contract Award is communication to all Bidders.	
	20.2	No Bidder shall contact the purchaser on any matter relating to its bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Purchaser it should be done in writing.	
	20.3	Any effort by a Bidder to influence the purchaser in its decisions on bid evaluation, bid comparison or contract award decisions may result in rejection of the Bidder's bid.	
21	21.1	To assist in the examination, evaluation, comparison of the bids, and qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids.	
	21.2	If a Bidder does not provide clarifications of its bid by the date and time set in the Purchaser's request for clarification its bid may be rejected.	
22	22.1	**Determination of Responsiveness:** The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.	
	22.2	A substantially responsive Bid is one that meets the requirements of the Bidding Documents without material deviation, reservation, or omission.	
	22.3	The Purchaser shall examine the technical aspects of the bid submitted in accordance with instructions specified in tender document, in particular, to confirm that all requirements enumerated in the 'Schedule of Requirements' Section-VI have been complied with, without any material deviation or reservation or omission.	
	22.4	If a bid is not responsive to the requirements of Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation or omission.	
23		**Conversion to Single Currency:** For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted in a single currency as specified in the BDS.	
24		**Margin of Preference:** Unless otherwise specified in the BDS, a margin of preference shall not apply.	
25	25.1	**Evaluation of Bids:** The Purchaser shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.	
	25.2	To evaluate a Bid, the Purchaser shall consider the following:	
		a	Evaluation will be done for Items or Lots (contracts), as specified in the BDS; and the Bid Price.
		b	price adjustment due to discounts offered;
		c	converting the amount resulting from above, if relevant, to a single currency
		d	price adjustment due to quantifiable nonmaterial nonconformities in;
	25.3	The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.	

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	25.4	The Purchaser's evaluation of a bid shall exclude and not take into account:	
		a	In the case of Goods manufactured in the India, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
		b	in the case of Goods manufactured outside India, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Bidder;
		c	any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
	25.5	The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids.	
26		**Comparison of Bids:** The Purchaser shall compare the evaluated prices of all substantially responsive bids established to determine the lowest evaluated bid. The comparison shall be on the basis of CIP-Carriage and Insurance Paid to (place of destination) prices for imported goods and EXW – Ex Works (named place of delivery) prices, plus cost of inland transportation and insurance to place of destination, for goods manufactured within India, together with prices for any required installation, training, commissioning and other services. The evaluation of prices shall not take into account custom duties and other taxes levied on imported goods quoted CIP and sales and similar taxes levied in connection with the sale or delivery of goods.	
27	27.1	**Qualification of the Bidder:** The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid meets the qualifying criteria.	
	27.2	The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder.	
	27.3	An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's qualifications to perform satisfactorily.	
28		**Institutes Right to Accept any Bid and to Reject any or all bids:** The Institute reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.	
F.AWARD OF CONTRACT			
29		**Award Criteria:** The Purchaser shall award the Contract to the Bidder whose bid has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided the Bidder is determined to be qualified to perform the Contract satisfactorily.	
30		**Purchasers Right to vary Quantities at Time of Award:** At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VI, Schedule of Requirements, provided this does not exceed the	

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		percentages specified in the BDS, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
31	31.1	**Notification of Award:** Prior to the expiration of the period of bid validity, the Purchaser shall, notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (hereinafter and in the Conditions of Contract and Contract Forms called the "Letter of Acceptance") shall specify the sum that the Purchaser will pay the Supplier in consideration of the supply and installation of Goods (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price"). At the same time, the Purchaser shall also notify all other Bidders of the results of the bidding.
	31.2	Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.
	31.3	The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after notification of award, requests in writing the grounds on which its bid was not selected.
32	32.1	**Signing of Contract:** Promptly after notification, the Purchaser shall send the successful Bidder the Contract Agreement.
	32.2	Within Fifteen (15) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.
	32.3	Notwithstanding anything contained in clause 32.2, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, or to the use of the products/goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those products/goods, systems or services, the Bidder shall not be bound by its bid, always provided however, that the Bidder can demonstrate to the satisfaction of the Purchaser that signing of the Contact Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract.
33	33.1	**Performance Security:** The Successful bidder has to submit Security deposit/Performance Guarantee @ 3% order value in the form of DD/Bank Guarantee/Fixed deposit(In the name of NITT) Within Fourteen (14) days of the receipt of notification of award from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the General Conditions of Contract (GCC), using for that purpose the Performance Security Form included in Section-X, Contract Forms, or another Form acceptable to the Purchaser. If the Performance Security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Purchaser. A foreign institution providing a bond shall have a correspondent financial institution located in India.
	33.2	Failure of the successful Bidder to submit the above- mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose bid is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

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Section III. BID Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). In case of inconsistency, the provisions herein shall prevail over those in ITB.

Sl. No.	A. General
1.	The reference number of the Invitation for Bids is **NITT/F.NO:050/CAPEX(OH-35)/2026-27/MOF-CDI**
2.	The Purchaser is **The Director, NIT Tiruchirappalli.** **Kind Attention To : Dr.ASHWINTH JANARTHANAN-ASSISTANT PROFESSOR, CENTRE FOR DIGITAL INFRASTRUCTURE**

Sl. No.	B. Contents of Bidding Documents		
3.	For Clarification of bid purposes only, the Purchaser's address is **Dr.ASHWINTH JANARTHANAN-ASSISTANT PROFESSOR, CENTRE FOR DIGITAL INFRASTRUCTURE, National Institute of Technology, Tiruchirappalli, 620015** Attention : **Dr.ASHWINTH JANARTHANAN-ASSISTANT PROFESSOR, CENTRE FOR DIGITAL INFRASTRUCTURE** Address : **National Institute of Technology, Tiruchirappalli,** Floor / Room number : **-** City : **Tiruchirappalli** ZIPCode : **620015** Country : **India** Telephone : **95005 24191** E-Mail : ashwinth@nitt.edu		
4.	Web page	:	https://eprocure.gov.in/eprocure/app
5.	A site visit shall **not** be organized by the purchaser.		
6.	A Pre-Bid meeting date and venue	:	**12-11-2026 @ 11.00 A.M.** **CENTRE FOR DIGITAL INFRASTRUCTURE, NIT, TRICHY**

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Sl.No.	C. Preparation of Bids
1.	The language of the bid is : **English.** All correspondence exchange shall be in **English.** Language for translation of supporting documents and printed literature is **English.**
2.	The Bidder shall submit the following additional documents in its bid: **NA**
3.	Alternative Bids **shall not** be considered.
4.	The prices quoted by the Bidder **shall not** be subject to adjustment during the performance of the Contract.
5.	Place of Destination: is **National Institute of Technology, Tiruchirappalli, 620015.**
6.	Final destination (Project Site): **Dr.ASHWINTH JANARTHANAN-ASSISTANT PROFESSOR, CENTRE FOR DIGITAL INFRASTRUCTURE National Institute of Technology, Tiruchirappalli, 620015.**
7.	The prices shall be quoted by the bidder in : **Indian Rupee / ~~Foreign Currency of Principal's Country (Preferably in Indian Rupees)~~** The Bidder is required to quote in Indian Rupees (INR), the portion of the bid price that corresponds to expenditures incurred in Indian Rupees (INR).
8.	Manufacturer's authorization is required.
9.	After sales, service is required.
10.	The bid validity period shall be **180 days.**
11.	EMD/Bid security **Rs.1,00,000/-** shall be paid in the form of SBI collect/Exemption Certificate (MSME/NSIC) and should be valid for a period of 45 days beyond the bid validity period. All tenders received without EMD/Bank Security shall be rejected.
12.	Other types of acceptable securities: **NA**

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Sl. No.	D. Submission and Opening of Bids
1.	Attention : **Dr.ASHWINTH JANARTHANAN-ASSISTANT PROFESSOR,** **CENTRE FOR DIGITAL INFRASTRUCTURE** Street Address : National Institute of Technology, Tiruchirappalli, City : Tiruchirapalli ZIP/PostalCode : 620 015 Country : India The deadline for bid submission is : **Date and Time : 27-11-2026@ 5.30 P.M.** The electronic bidding opening procedures shall be as given in Section I- Instructions for Online Bid Submission.
2.	The bid opening shall take place at : Stores and Purchase Section, National Institute of Technology, Tiruchirappalli-620015. StreetAddress : National Institute of Technology, Tiruchirappalli Floor / Roomnumber : Admininstrative Block City : Tiruchirappalli Country : India **Date and Time : 30-11-2026@ 5.30 P.M.** The electronic bidding opening procedures shall be as given in Section I - Instructions for Online Bid Submission.

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Sl.No.	E. Evaluation and Comparison of Bids
1.	The currency that shall be used for bid evaluation and comparison purposes to convert all bid prices expressed in various currencies into a single currency is : **Indian Rupees** The source of exchange rate shall be : **Reserve Bank of India**. The date for the exchange rate shall be: **Last day for submission of Bids**.
2.	A margin of domestic preference shall apply.
3.	Evaluation will be done for concern equipment. ***Note: Bids will be evaluated for each item and the Contract will comprise the item(s) awarded to the successful Bidder.***

Sl.No.	F. Award of Contract
4.	The maximum percentage by which quantities may be increased is :*NA* The maximum percentage by which quantities maybe decreased is:*NA*

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Section IV

Prequalification

1. A Declaration by the firm that it has never been black-listed must be attached along with the Bid, failing which the Bid shall be rejected.
2. Profile of each Bidder and past experience in supply and installation of the material (certificates to be enclosed), proof of manufacturing Unit/Dealership letter and general order supplier. Manufacturer's authorization certificate as prescribed in Section IX in case bidder is not manufacturer.
3. List of other Govt. Departments, Public Sector units and Central AutonomousBodies for which the bidder is supplying material or having the similar type of contracts and a certificate regarding the satisfactory performance of the contract.
4. True copy of Permanent AccountNumber.
5. Copy of the last three years audited balance sheet of your firm
6. Details of Goods and Service Tax (GSTIN) along with a copy of certificate to be attached.
7. Submission of samples if required, for all items indicated in the schedule of requirements. The make of items proposed to be supplied should be indicated in the format of the schedule of requirements and submitted along with the techno commercial unpriced bid without indicating the pricingcomponents.
8. Willingness to execute all orders which are placed to meet emergency requirement on priority basis. The Bidder shall note that standards for workmanship, material and equipment, and references to brand names designated by the Purchaser in the schedule of requirements are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names and/or catalogue numbers in his bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

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Section V
Institute against the Corruptand Fraudulent Practices

Institue strictly adheres to its policy against corruption and requires that bidders and their agents, subagents, sub-contractors, suppliers etc. shall not indulge in any kind of corrupt practices, fraudulent practices, collusive practices, coercive practices, obstructive practices or other kinds of corruption declared as crimes under Indian law.

a) If bidder or their agents, subagents, sub-contractors, suppliers etc. are found, directly or indirectly, involved in such practices, bid or agreement and execution thereof at any stage may be rejected or cancelled as the case may be by the Institute and besides it Institute may initiate legal actions including civil and criminalproceeding.

For the purpose of this provision the terms are defined as follows :

(i) "Corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of anotherparty ;[1]

(ii) "Fraudulent Practices" is any act or omission including a misrepresentation which knowingly or recklessly made to mislead another party to obtain financial or other benefit or to avoid anobligation ;[2]

(iii) "Collusive Practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of anotherparty ;[3]

(iv) "Coercive Practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of aparty ;[4]

(v) "Obstructive Practice" is deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt,fraudulent,coerciveorcollusivepractice ;and / or threatening,harassing or Intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing theinvestigation.

b) Besides actions under clause (a) Institute may also take action to blacklist such bidder either indefinitely or for a specifiedperiod.

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[1] For the purpose of this sub-paragraph, "*another party*" refers to a public official acting in relation to the procurement process or contract execution. In this context, "*public official*" includes Institute staff and employees of other organizations taking or reviewing procurement decisions.

[2] For the purpose of this sub-paragraph, "party" refers to a public official; the terms "benefit" and "obligation" relate to the procurement process or contract execution; and the "act or omission" is intended to influence the procurement process or contract execution.

[3] For the purpose of this sub-paragraph, "party" refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other's bid prices or other conditions.

[4] For the purpose of this sub-paragraph, "party" refers to a participant in the procurement process or contract execution.

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Part - 2

Supply Requirements

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Section VI
Schedule of Requirements

Contents

1.	List of Goods and Delivery Schedule
2.	List of Related Services and Completion Schedule
3.	Technical Specifications

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1. List of Goods and Delivery Schedule

Item No.	Description of Goods	Qty	Physical unit	Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Period (Weeks)	Latest Delivery Period (Weeks)	Bidder's offered Delivery period [to be provided by the bidder]
1.	**Smart access control and vehicle management system**	1	No.	**CENTRE FOR DIGITAL INFRASTRUCTURE**	4	4	

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1. List of Related Services and Completion Schedule

Service	Description of Service	Quantity	Physical Unit	Place where services shall be performed	Final Completion Date(s) of Services

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TECHNICAL SPECIFICATIONS

S.No.	Name of the Equipment:	Smart access control and vehicle management system (1 No)
	Specifications:	As per Annexure-I
	Installation Required	Yes
	Warranty	3 years Comprehensive on-site warranty
	AMC Required	Yes
	Delivery Period (Weeks)	4 weeks
	Shipment Terms	Up to NIT, Tiruchirappalli
	EMD	Rs.1,00,000/-
	Payment Term	100% payment after satisfactory delivery / installation
	Performance Security	3%
Purchase committee has finalized and recommends the above-mentioned specification and conditions		

Note:
1) Technical Specification should be duly filled by the bidder no fields were left blank and appropriate value will be filled. (don't fill it as Yes complied or Yes).
2) A separate excel worksheet (TEC---1920.xls) is available in the tender document, the same to be filled in and uploaded along with the tender document.

Annexure-I

TECHNICAL & SOFTWARE SPECIFICATIONS OF INFRASTRUCTURE:

1. ANPR & CONTAINER NUMBER RECOGNITION

a) Technical Specifications:

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON);
	B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter
Lens	
Focal Length & FOV	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48°
	8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 13°
Focus	Auto,
Iris Type	P-iris, or Auto mode
Aperture	2.8 to 12 mm: F1.2 to F2.5
	8 to 32 mm: F1.7 to F1.73
Illuminator	
Supplement Light Type	IR
Supplement Light Range	2.8 to 12 mm: 50 m
	8 to 32 mm: 100 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz:
	25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
	50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz:
	30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
	60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Target Cropping	Yes
e-PTZ	Support Patrol and Auto Tracking settings
Format Supported	H.265/H.264/MJPEG
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP,
	PPPoE, NTP,UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS,
	WebSocket, WebSockets

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Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication
	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log,
	TLS 1.2, TLS 1.3, TPM 2.0 (FIPS 140-2 level 2), AES128/256
Web Browser	Plug-in required live view: IE 10, IE 11,
	Plug-in free live view: Chrome 50+, Firefox 52.0+, Edge 89+, Safari 11+,
	Local service: Chrome 50+, Firefox 52.0+, Edge 89+
Image	
Wide Dynamic Range (WDR)	140 dB
SNR	≥ 52 dB
Image Stabilization	EIS
Interface	
Video Output	1 Vp-p Composite Output (75 Ω/CVBS) (Only for debugging)
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB
Audio	With -Y: 1 input (line in), 1 output (line out), 3.5 mm connector
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
Power Output	With -Y: 12 VDC, max. 100 mA
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm, exception (network disconnected, IP address conflict, illegal login, abnormal restart, HDD full, HDD error), video quality diagnosis, vibration detection
Smart Event	scene change detection, audio exception detection, defocus detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, audible warning
Road Traffic and Vehicle Detection	Smart Function:
	Support license plate recognition of vehicles and motorcycles (only in checkpoint scenario)
	Support vehicle attribute detection, including vehicle type, color, brand, driving direction, etc.
	Support vehicle and non-vehicle counting
	Blocklist and allowlist: up to 10,000 records
	LPR Countries/Regions:
	4 areas (Europe, Middle East, Asia-Pacific, Africa) and more than 124 countries/regions
	Accuracy (Under recommended installation and lighting

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	conditions):
	License plate recognition rate ≥98%
	Capture rate ≥99%
	Driving direction accuracy rate ≥98%
	Vehicle Capture Speed:
	Front installation in checkpoint scenario: up to 120 km/h
	Side installation: up to 80 km/h
	Capture Mode: License Plate and Vehicle Mode, Vehicle Priority Mode
General	
Power	12 VDC ± 20%, 1.19 A, max. 14.28 W, three-core terminal block PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.396 A to 0. 295 A, max. 16.8 W
Material	Aluminum alloy body
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002
Other	PVC FREE

b) Software Specifications: API to supplied for all the hardware items

2. UHF READER (FASTag):
TECHNICAL SPECIFICATION OF UHF READER (FASTAG):

S.No	Parameter	Particulars
1.	Type	UHF ISO 18000
2.	Effective Read Range	2 to 4 meters of read range
3.	Communication	TCP/IP or acceptable equivalent
4.	Memory	Not less than 50000 Card holder and 100000 Transaction
5.	Display	LED Display 8 mm Character height, 2 lines * 16 characters with external tower light for RED and Green indication
6.	Protection	IP 65 Protection
	Features	- Network reader should give full distributed processing of all access control functions - Should provide offline transactions when not in communication with the software - Should have relays to control Boom

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		barriers and traffic lights - With built in Stand & Hood for outdoor use
8	Certifications	BIS, CE and ROHS must
9	Country of origin	- Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

3. FACE READERS:

a) Technical Specifications:

Category	Feature	Specification
Credential	Biometric	AI based Face Recognition - Should have NPU inbuilt
	Barcode and QR code	Device should be QR code Supported
	RF Option	Universal Multi Card Reading module (125kHz EMProx & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3, FeliCa)
	RF detection distance	Minimum 30 mm
	Mobile Credential	Frequency: 13.56MHz NFC
		Frequency: 2.4GHz BLE
		Certificates: ISO 27001
		Encryption: AES-128/256
		Compatible devices: iOS 0 above, Android 9.0 above
General	CPU	1.5 GHz Quad Core or better
	Memory	32 GB Flash + 4 GB RAM or higher
	Algorithm Benchmarking	Algorithm used should be NIST Listed
	Database Encryption	AES 128 bit /256-bit method
	Single OEM for Software and Hardware	Device Manufacturer & Algorithm manufacturer should be from the same OEM.
	GDPR or Personal Data Protection (PDPB India)	Must be supported with ToC (Face Template on card)
	Components not used from countries, which sharing land border with	NDAA compliance is must

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Category	Feature	Specification
	India	
	Product Certified UL/ETL	UL294 / ETL Listed
	Crypto chip	Supported
	LCD type	Minimum 5.5 inch IPS color LCD
	LCD resolution	Minimum 720 x 1280 pixels
	Sound	16bit
	Operating temperature	-20°C to 50°C
	Storage temperature	-40°C to 70°C
	Operating humidity	0% to 80%, non-condensing
	Storage humidity	0% to 90%, non-condensing
	Camera	2MP 2EA
	Dimension	Compact form-factor
	Weight	Not more than 500 grams
	IP rating (without external enclosure)	IP65 or higher
	IK rating	IK06
	Certificates	BIS, CE, FCC, RoHS, REACH, WEEE, UKCA, RCM
Face	Recognition Distance	0.6 to 1.0 m
	Recognition Height	1.4 to 1.9 m
	Mask detection	Must support variety of masks (N95, 3-ply,Fabric)
	Matching speed	Within 0.3 seconds
	Enrollment Methods	Must support upload a photo or drag & drop
		Must support enrollment through an email link
		Must support Bulk enrollment through CSV import
		Must have integration with DB/ERP/HRMS for photo importing
	Live Face Detection	Must support anti-spoofing mechanism against Selfie, Photo, 3D Mask or 3D Face Replica Model based fake-face attacks

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Category	Feature	Specification
Storage capacity	Max. User	50,000
	1:N Matching	Face: 50,000
	1:1 capacity	Face: 100,000
		Card: 100,000
		PIN: 100,000
	Text logs	50,00,000 or higher
	Max. Image Logs	50,000 or higher
Capacity	Ethernet	Supported (10/100/1000 Mbps, automatic MDI/MDI-X). IPv6 compliant
	RS-485	1ch Host / Slave (Selectable)
	OSDP	Must support OSDP ver. 2.0 or higher
	Wiegand	1ch Input, 1ch Output
	Aux Inputs	3ch Inputs
	Relay	1 Relay
	Intercom	Supported - Should able to have two way communication
	RTSP	Supported - to connect with Any Video Management System
	USB	USB 2.0 (Host)
	USB expansion port	Must support for future expansion
	Tamper Detection	Supported
Electrical	Power	DC 12 V DC 24 V (current: 1.2 A)
	Relay	2 A @ 30 VDC Resistive load
		1 A @ 30 VDC Inductive load
Integration	Data transfer	Seamless integration with 2-way data transfer capability
	Enrollment	Seamless integration with direct enrollment from Master software
Origin	Country of Origin	Declare the country of origin.
	Critical Components like,Network, Wifi and device	Critical components like Network card, wifi, MAC address should not be from countries share land border with India

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Category	Feature	Specification
	Local Presence in India – OEM must have direct office and support function in India.	Direct OEM Presence
	Land border Sharing	Make in India preferred. In case of Non-Indian origin, then OEM country Must not share land-border with India

4. SMART CARD WITH QR CODE READERS: Qty.: 4 Nos.

Technical SPECIFICATION:

S.No	Parameter	Particulars
1.	Type	Mifare Contactless smart card reader conforming to ISO 14443-A Type 1,2&3 (should read both Mifare & Desfire)
2.	Effective Read Range	Upto 40 mm for Mifare and Minimum 3.7 to 4.6 inch for QR code size 1.27Sq.mm
3.	QR module specification	Micro QR Code conforming to ISO 15415/416 at 25degree C, Micro QR Code conforming to ISO 15415/416 at 25degree C. Camera based QR will not be considered
4.	Communication	TCP/IP
5.	Memory	50000 Card holder and 100000 Transaction
6.	Display	• LED Display 8 mm Character height, 2 lines * 16 characters with external tower light for RED and Green indication
	Protection	• IP 65 External Protection
8.	Features	- Network reader should give full distributed processing of all access control functions, - Should provide offline transactions when not in communication with the software - Should have relays to control Boom barriers and traffic lights - With built in Stand & Hood for outdoor

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S.No	Parameter	Particulars
		use
9.	Certifications	CE, RoHS, BIS
10.	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

5.
TECHNICAL SPECIFICATIONS OF BOOM BARRIER (1.5 M, 3.5 M & 6.0 M):

S.No.	**Technical Specifications**	**Data**
1	Application	Outdoor
2	IP Rating & Wind Speed Rating	IP 54 & 10 Beaufort scale. TUV / BIS certificate for IP rating to be submitted.
3	Housing	Barrier Housing Unit**:** All Aluminum Housing; Powder Coated
		Boom: Powder Coated White RAL 9010 with Red reflective strips.
4	Housing Dimension	Modular
5	Housing Material Of Construction	All Aluminum Housing with Base frame in SS-304 for high protection against corrosion.
6	Protection	All Housing and internal parts will be rust & corrosion free metals or alloys of high strength with suitable Epoxy coating as applicable.
7	Housing Dimension (W X D X H)	315mm X 360mm X 915mm approximately
8	Boom Specifications	The Booms shall be extruded aluminum with octagonal profile (straight/articulated) 100mm. X 55mm. X 1.6 mm. shall be the structure of the profile/ Alternatively the boom may also be offered as extruded aluminum with round profile of dia 74 mm X 1.4 mm
9	Intelligence	The barrier shall use a Blockable DC High Torque Drive in combination with CAN bus communication standard interfaced Controller. It shall offer LCD Display & Graphic User Interface for easy

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S.No.	Technical Specifications	Data
		control setting. Possibility for integration via standard user interfaces. Control Panel Should be at the TOP of the housing
10	Digital Inputs	Minimum 8
11	Digital Outputs	Minimum 4
12	Relay Outputs	At least 6
13	Compliance & Safety	Compliance to CE.
		Adherence to Safety Requirements of the
		EMC Directive 2004/108/EC,
		Low Voltage Directive 2006/95/EC and
		The basic requirements of the Machinery Directive 2006/42/EC
14	Power Supply	230+/- 10% VAC, 50 Hz.
15	Maximum Power Consumption	100 Watts.
16	Opening & Closing Time	1.3 seconds for Boom Length up to 3.5 Meters
		4 seconds for Boom Length Between 3.5 to 6 Meters. TUV certificate for opening/ closing time to be submitted
17	Operating Temperature	-30 Degree Celsius to + 50 Degree Celsius
18	Safety	S/W for Detection of Presence of Vehicle in Loop or in the path of Infrared Safety Sensors available. Loops or Sensors to be used to prevent barriers from closing on the vehicle.
19	Duty Cycle	100%. Barriers should work 24 Hrs*7 *365 days without any resting time.
20	Integration	Shall function in integration with Smart cards, proximity reader based access control systems etc.,
21	Performance Requirement	MCBF- 10 Mil Cycles
		MTBF- 50,000 Hours
		MTTR- 30 Minutes
22	Certificates Required	TUV certificate For Opening & Closing time
		ISO Certificate of the Company

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S.No.	Technical Specifications	Data
		TUV Certification for Ingress Protection
		EMC Test report
23	Organization	The OEM should have a manufacturing plant in India operational for the last 10 years where they have manufactured & installed 200 lanes of quoted products in India. Documentary evidence to be provided.
24	Spare availability	All required spares should be available in India
25	Technical Support	OEM should be available in India since 15+ Years
26	ISO Certification	The OEM should have ISO 9001:2015 & ISO14001:2015 EMS certification for manufacturing
27	Reference	The offered product must have been deployed in minimum 5 Government critical infrastructure facilities
28	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

6. TRIPOD BARRIER:

Qty.: 4 Nos.

S.No.	Item	Description
1	Application	Indoor
2	Motor	Servo Motor , Motorized
3	Locking and Driving Force	Locking is achieved by Tooth Clutch , Driving by Servo Motors
4	Throughput	Minimum 45 persons per minute (excluding card validation time)
5	Operation	Bi-directional
6	Dimension	Tripod Arm Length: 510mm Minimum Height: 1020mm Minimum Width: 770mm Minimum
7	Lane Width	Regular Lane : 550-600mm
9	Power Supply	230+/- 10% VAC, 50 Hz.
10	Finish	SS-304 or better MOC, and with good Aesthetics.
11	Protection	All Housing and internal parts will be rust & corrosion free metals or alloys of high strength or with suitable epoxy coating

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12	Power–Off/ Emergency	In the event of an emergency or power supply off, Tripod can be configured to Fail-Safe i.e. rotates freely or Fail-Lock i.e. locks in the HOME position. Either option is available in both or one direction.
13	Duty Cycle	100%
14	Ingress Protection	IP 54 minimum
15	Mean Cycle between Failures (MCBF)	Minimum 11 Million Cycles
16	Construction	The housing shall be made of AISI 304 and the base columns shall be made of semi-gloss stainless steel. Base columns are empty and can be used to integrate components provided by the customer. The rotary head and other electrical and mechanical components shall be integrated in the centre housing. In case of multiple installations, the housing unit acts as a guiding element – additional guiding bars are not required. To improve personal safety, standards and guidelines relating to points where body parts could get pinched or squashed have been taken into account in the development of the tripod barrier (Machinery Directive 98/37/EC).
17	Integration	Shall function in integration with proximity/smart card reader based access control systems/ Bio-metric systems etc.
18	Fail Safe / Free moving during Fire	Fail safe / free moving of equipment & deactivation of access control in case of emergency/fire conditions is must required
19	Certified	CE
20	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

7. POWER BACKUP UPS (5 KVA & 1 10 KVA)

TECHNICAL SPECIFICATIONS OF POWER BACKUP UPS (5 KVA & 10 KVA):

S.No	DESCRIPTION	Specification
1	Capacity	5kVA/ 10kVA
2	Design	True online double conversion design
	Input Characteristics.	
3	Nominal Input Voltage	230Vrms
4	Nominal Input Frequency	50Hz.
5	Input Power Factor	0.99
6	Type of Rectifier	IGBT Based PWM Rectifier
7	Input Voltage Range	110 Vac to 300 Vac.
8	Voltage Detection	±3% Calibration

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S.No	DESCRIPTION	Specification
	Tolerance ±3% Calibration	
9	Input Frequency Range	40-70Hz
10	Inrush Limitation	7*IRMS_Nom
11	Current Protection	With Fuse.
	Battery Parameters	
12	Charging Method	Constant voltage constant current (CVCC)
13	Charging current Capacity	Settable 1/2/4/6
14	Type of Batteries	SMF VRLA,Li-ion,Tubular
15	Number of batteries	6
16	Maximum Battery Leakage Current	500uA
17	Charge Voltage Accuracy	±1%
	Output Parameters	
18	Load power factor	0.8
19	Nominal Output voltage	208/220/230/240VAC Settable
20	Output Frequency	Frequency Range (Batt. Mode): 50 Hz ± 0.1 Hz ; Frequency Range (Synchronized Range): 46Hz ~ 54 Hz @ 50Hz system
21	Output Waveform	Pure sine wave
22	Total Harmonic distortion (THD)	Less than 3% for Linear Load and Less than 6% for RCD Load
23	Inverter	IGBT based PWM with Instantaneous Sine wave control
24	Power Rating	5kVA/ 10kVA
25	Dynamic response	IEC62040-3 Classification 1
26	Crest factor	3:1
27	Duty.	Continuous duty
28	Overload Capacity	AC mode:105%~110%: 10min、110%~130%: 1min、>130% : 1sec ;
29	Frequency synchronization Band for Static.	46 - 54Hz

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S.No	DESCRIPTION	Specification
	Bypass	
30	Transfer (Inverter to Bypass)	0 ms
31	Retransfer (Bypass to Inverter)	0 ms
32	Automatic Bypass	Inbuilt
33	Overall efficiency (AC to AC)	90%.
	Miscellaneous Function	
34	Intelligent Fans Speed Control	Yes.
35	Auto Restart Function	Yes.
	Physical and Environmental Characteristics.	
36	Acoustic Noise Level	Less than 58dB @ 1 Meter
37	Ambient Temperature	0 - 50 Deg C
39	Storage Temperature	-15°C~60°C
40	Humidity	<95 % and non-condensing
41	Altitude	<1000m
42	Enclosure Protection Grade	IP 20
43	Cooling	Forced Air
	Metering (Digital display)	
44	Input voltage	Advanced LCD based Display System, able to monitor Input Voltage/Battery Voltage/Output Voltage/Output Frequency/Input Frequency/Ambient Temprature.
45	Battery voltage	
46	Output voltage	
47	Output current	
48	Output frequency	
49	Input Frequency	
50	Heat sink temperature	
51	Fault indicated on Digital Display Alarms	LED indication display
52	input fail	Inbuilt and accessible on LCD Display.
53	Battery Low	
54	Transfer to bypass and system fault	

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S.No	DESCRIPTION	Specification
55	LED Indications	
56	Protection	Overload/Short Cut/Battery Deep Discharge/Low Battery/Reverse Battery/Inverter Current Limitation/Over Temperature/Output Overvoltage.
57	Communication	Smart RS 232 and USB. Communication slot available for optional SNMP, Modbus and relay card.
	Standards	
58	Low voltage directive	EN IEC 62040-1:2019
59	EMC Directives	EN IEC 62040-2:2018
		EN IEC 61000-3-2:2019/A1:2021
		EN 61000-3-3:2013/A1: 2019
		EN 61000-4-2:2009
		EN 61000-4-3:2006+A1: 2008+A1:2010
		EN 61000-4-4:2012
		EN 61000-4-5:2014
		EN 61000-4- 6:2014
		EN 61000-4-8: 2010
		EN61000-2-2:2002
		EN61000-4-11:2004
60	Protection	IP-20
61	ISO certifications	ISO 9001, ISO14001,ISO27001,ISO 45001:2018
62	BIS registration	Available
63	Country of origin	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

8. TRAFFIC LIGHT:

SPECIFICATIONS OF TRAFFIC LIGHT:

S.No	Technical Specifications
1	Lowest power consumption for all colours, maximum 8 watts for each color
2	Uniform appearance light diffusing
3	Should be EN 12368 compliant
4	All units operate at voltage of - 12 / 24 volts DC or 40V AC/ 230 V AC

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5	Pedestrian traffic lights should be provided with clearly audible signals for the benefit of pedestrians with visual impairments
6	Size of LED Aspect 300 MM die housed in IP 65 rated UV stabilized Polycarbonate housing
7	Operating Temperature Range: 0 degree Celsius to 55 degrees Celsius Turn Off/Turn on Time: 75 milliseconds max
8	Minimum Luminous Intensity (measured at intensity point) (cd): · Red 250 · Green Arrow 250
9	Dominant Wavelength (nm): · Red 630 · Green 490
10	Make: Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

9. HANDHELD DEVICE WITH APPLICATION:

SPECIFICATIONS OF ANDROID BASED SMART HANDHELD TERMINAL:

SL No	**Description**	**Particulars**
1	Operating system	Android 0 Secured Operating System or above
2	CPU model	Quad-Core ARM Cortex-A7 Processor - Qualcomm Snapdragon - minimum
3	RAM	1 GB RAM - minimum
4	Device Internal Storage	EMMC - 8GB - minimum
5	Screen	5.0-inch LCD touch screen; Resolution 1280 x 720 - minimum
6	Communication	4G/3G/2G/Hot spot/Bluetooth
7	GPS	Built-in GPS, AGPS
8	USB	USB Type-C (OTG), Mini USB serial port
9	Camera	Rear camera:5 Mega-pixel camera Front camera:0.3 Mega-pixel camera Support 1D / 2D scanning
10	Card Slots	SIM Card: 2 slots SAM Card : 1 slot SD Memory Card : 1 slot
11	Printer	Built-in high speed thermal printer - 58mm print paper
12	Fingerprint Reader	Integrated Fingerprint Reader STQC Certified NEXT Active Thermal™ sensing (patented) Active Sensing Area : 11.9 x 16.9 mm2 UIDAI L0 Managed Android OS Registered Device (RD) Service Supported
13	Magnetic card reader	Support 1/2/3 track, Bi-directional swiping

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SL No	Description	Particulars
14	IC card read-write	Support type A(5.0V),type B(3.0V) or type C(1.8V) (In compliance with EMV and PBOC)
15	NFC card	Support ISO/IEC14443 Type A&B, Mifare1 (In compliance with EMV and PBOC, with card reading indicator)
16	Password keyboard	Built-in password keyboard (virtual); Support DES, 3 DES, RSA, SHA - 256 and AES; algorithm
17	Battery	Fast Charging USB Charging- Lithium battery 7200 mAH with 3.7 V
18	Power Adaptor	Input:110V to 240V AC/50 ~ 60Hz Output: 5 v DC / 2 A General Type-C USB interface
19	Dimension and weight	191.6mm × 80.2mm × 46mm, 424g
20	Certification	PCI PTS 5.x EMV Contact Terminal L1&L2 EMV Contactless Terminal L1 3C, FCC,CE PBOC3.0 L1&L2 STQC(Fingerprint module) :Under Renewal Visa pay Wave MasterCard Pay Pass MSDS - Battery BIS , WPC, MSAI (India)
21	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

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10. GIGABIT (8 PORT & 24 PORT) SWITCH

TECHNICAL SPECIFICATIONS OF GIGABIT (8 PORT & 24 PORT) SWITCH:

S.No	Parameters	Specifications
1	Standards	IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3z Gigabit Ethernet, IEEE 802.3x Flow Control, 802.1p priority, Energy Efficient Ethernet
2	Cabling Type	Category 5e or better

S.No	Parameters	Specifications
3	LED indicators	System/PWR, link/activity, 100M*, cable diagnostics, loop detection, gigabit, * mini-GBIC*
4	Ports	10/100/1000 Ethernet, power port for AC adapter or power cord
5	Power supply	SF95D-05, SF95D-08: DC 12V, 500mA SF95D-16, SG95D-08, SG95D-05: DC 12V, 1.0A SF95-24, SG95-16, SG95-24: 110-240VAC, 50-60 Hz, internal, universal
6	Operating temperature	32° to 104°F (0° to 40°C)
7	Operating humidity	10% to 90%, relative, noncondensing
8	Ports	16 or 24 as per requirement
9	Make	CISCO, HP, D-Link, Netgear or reputed
10	Country of origin	Must not share land border with India
11	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

11. DESKTOP:

TECHNICAL SPECIFICATIONS OF PC:

S.No	Description	Particular
1.	Processor	Intel i5 or higher
2.	Graphics	Integrated HD Graphics
3.	Memory	16 GB 1333 MHz DDR4 Ram with 64GB expandability
4.	Hard Disk Drive	1 TB SSD HDD
5.	Monitor	47CM (18.5inch) TFT/LED Digital colour monitor or Higher TCO-05 Certified
6.	Keyboard	104 Keys or better
	Mouse	Optical scroll mouse
8.	Ports	6 USB ports (With at least 2 in front, Minimum 2 USB 3.0) 1 Serial audio port for microphone and headphone in front
9.	DVD Drive	DVD R/W
10.	Network	10/100/1000 on board integrated network port
11.	Operating System	Without OS

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S.No	Description	Particular
12.	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

12. 1 KB MiFARE SMART CARDS:

TECHNICAL SPECIFICATIONS OF 1 KB MIFARE SMART CARD:

S.No	CONTACTLESS HIGH-SECURITY SMART CARD (1 KB Mifare classic)
1.	The contactless smart card shall function as an access control card, used with access readers to gain entry to controlled areas and to hold identification information specific to the use.
2.	The contactless smart card shall be a passive device, with an operating frequency of 13.56 MHz, and shall meet the contactless cards (14443 Type 1, 2 &3 A) Generic command set should be based on ISO/IEC 7816-4.
3.	The card shall be available as a single RFID solution designed for interoperability with 13.56 MHz readers
4.	A presentation within the typical maximum read range of 3-4" to the access control reader shall result in an exact reading of the card.
5.	The card shall offer a memory size of 1K-Bytes
6.	It should be at least 820 GSM thick so that it can take normal wear and Tear
	Contactless smart card shall meet the following environmental specifications: a. Operating temperature: -40°F to 158°F (-40°C to 70°C). b. Operating humidity: 5% to 95% relative humidity non-condensing.
8.	All cryptographic algorithms, modes of operation, protocols and mechanisms used by the card shall be based on Mifare standards
9.	The smart card shall support ISO/IEC 14443 specifications parts 1-4(with communication type A) and exposes a random UID. It can be programmed with different card data formats (with variable length) including standards-based and secure data object credentials.
10.	The card shall be loaded with an application that leverages existing standards for maximum interoperability and heightened protection against attacks.

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S.No	CONTACTLESS HIGH-SECURITY SMART CARD (1 KB Mifare classic)
11.	Programmable Platform: The card shall use a microprocessor to support post-issuance update in the field and support retrieval of protected data formats. The card shall be ready to support future applications.
12.	All contactless communications shall be secured by a secure messaging established after mutual authentication between the card and the off-card application. Each secure session relies on diversified AES keys that are setup at the start of each session. Keys are 64 bit.
13.	The card shall support multiple applications as part of the available memory. Each application can be loaded with different data set and memory size.
14.	The card shall support adding or removing applications after the card has been issued, with full support for data integrity and consistency and confidentiality of any secrets such as authentication keys contained in the applications. The application management commands shall be based on ISO/IEC 7816-13:200
15.	The card shall include multi-application support for on-card database application with a firewalled architecture (to ensure data separation between applications). To increase return on investment, the default application can be updated to support other services without card replacement.
16.	The card memory shall guarantee a data retention of 10 years. Card data integrity and consistency shall be preserved at all time during the life span of the card.
1	Make: Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

13. MiFARE DESKTOP PERSONALIZATION READERS: 4 Nos.
TECHNICAL SPECIFICATION OF MIFARE DESKTOP PERSONALIZATION READER:

S.No	Parameter	Particulars
1.	Type	Mifare Contact less smart card reader conforming to ISO 14443-A Type 1,2&3
2.	Effective Read Range	10 to 20 mm
3.	Communication	USB
4.	Polarization	Circular Polarization

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5.	Operating Temperature	• -5 to 55 degree centigrade
6.	Protection	• Indoor use, IP 54 and above
	Features	- Should be able to write CARD serial number of 12 bytes - Should communicate real time with the software - Should include sagem, morpho biometric sensor.
8.	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

14. WEB CAMERA:

TECHNICAL SPECIFICATION OF WEB CAMERA:

S.No	Description	Particular
1.	Min. resolution	Full HD 1080p video calling (up to 1920 x 1080 pixels.
2.	Focus type	Fixed
3.	Compression	H.264
4.	Zoom	Min 4X
5.	Field of view	90 degrees
6.	Features	Autofocus, HI speed USB 2.0 output, min 1.5 meters cable length, Pan tilt and zoom camera settings, external privacy shutter, mic inbuilt
	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

15. LED DISPLAY:

SPECIFICATIONS OF LED DISPLAY:

S. No	Features	Technical Specifications
1	Standard features	• Real Time Information • Display systems controlled by latest micro controller-based technology • Indoor & Outdoor Display Boards • Available in English / Hindi or any Regional language • Reliable LED display • High readability • User friendly software with manual/ automatic

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		data updating • Multiple displays can show the same data • Synchronization with platform announcement system • High quality MS powder coated casing • Environment: Temperature 0°C – 50° C • Humidity 0% to 95% non-Condensing • Require Power Input 220 V +/- 10 % 50 Hz • Interface Communication: RS 485/ RS232 or TCP/IP
2	Origin	Make In India
3	Display Type	LED – 4 inch character height
4	Technology	7 Segment
5	Pixel Pitch	3mm
6	Connectivity	TCP/IP
7	Frequency	50Hz minimum
8	Read Range	Min 10 meters
9	IP rating	IP 65
10	Make	Make in India preferred. In case of Non Indian origin, then OEM country Must not share land-border with India

16. Infrastructure associated with inhouse Software through API

1	ANPR & Container Number Recognition (2W *2 + 4W *4)	Nos.	6
2	UHF Reader (FASTag)	Nos.	6
3	Face Reader (2 IN + 2 OUT)	Nos.	8
4	AI based Smart Camera	Nos.	6
5	Smart card with QR Code Reader	Nos.	14
6	Display	Nos.	2
7	1.5 M Boom barrier	Nos.	2
8	3.5 M Boom barrier	Nos.	5
9	Tripod barrier	Nos.	4
10	5 KVA UPS (Server side)	Nos.	1
11	10 KVA UPS – Gate	Nos.	1
12	Traffic Light	Nos.	6
13	Handheld Device with Application	Nos.	4
14	8 Port Switch	Nos.	2
15	24 Port switch	Nos.	2
16	Desktop	Nos.	5

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17	1 KB Mifare Smart Card	Nos.	500
18	Mifare Desktop Personalization Readers	Nos.	2
19	Web Camera	Nos.	2

Quote should be inclusive of

1. Project management charges
2. API charges
3. Integration & maintenance charges
4. manpower charges if any (as per customer requirement)
5. Other related works

Terms and Conditions

1. Pre-Bid Meeting: A pre-bid meeting will be held on 12/11/2026 at 11:00 AM IST in the Centre for Digital Infrastructure, NIT Tiruchirappalli and interested Tenderers at their own cost can attend to inspect, examine the site and seek any clarification on the scope of work and terms & conditions either by themselves or through their representatives by producing the authorization and identity documents. The Institute shall issue necessary clarifications and amendments, if any, to the tender document. Such clarifications / amendments shall be uploaded, if required. The clarifications given in the Pre-bid meeting are the part of tender documents and are bound to be agreed & signed by lowest bidder during the issue of work order.

2. Bidders Experience

Bidders should have experience in maintenance of accessories of related to Smart Access Control & vehicle management system. Bidders shall produce documentary proof, which shall be to the satisfaction of the competent authority.

The Bidder should have successfully completed similar contracts as detailed below during the last 5 years before due date of tender.

Three similar completed contracts each costing an annual value not less than Rs. 10,00,000/- only or Two similar completed contracts each costing an annual value not less than Rs. 15,00,000/- each or One similar completed contract costing an annual value not less than Rs. 30,00,000/- .

Bidder has to submit copies of both work order and work completion certificate along with the technical bid. Submission of either work order or work completion certificate alone shall not be considered for evaluation.

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"Similar contract" shall mean the work of related to Smart Access Control & vehicle management system.

the bidder must competed the above contracts in providing similar services at institutional campuses, universities, IT companies, PSUs, banks, power plants, or other similar establishments.

(For contracts executed in private compnies, TDS certificate or Form-26 AS in support of value of work done to be uploaded)

3. Warranty

The bidder shall provide a comprehensive on-site warranty for a period of three (03) years.
During the warranty period the bidder has to replace the defeative items without any additional cost to the institute.

The warranty shall include on-site visits for preventive maintenance and routine inspection once every three (03) months. In addition, the bidder shall provide 24×7 on-call technical support to address emergency breakdowns and other technical issues throughout the warranty period.

4. Site Visit:

The bidder shall mandatorily visit the site to assess the actual site conditions, accessibility, and technical requirements of the work before submitting the bid. The site visit shall be acknowledged by NIT Tiruchirappalli through the issuance of a duly certified Site Visit Form, as per the format provided in the Annexure.
Tenderers are required to inspect and examine the site and its surroundings and satisfy themselves regarding the nature and scope of the work, existing infrastructure and equipment, means of access to the site, and any other relevant requirements before submitting their tenders.

The tenderers shall obtain all necessary information regarding the risks, contingencies, site conditions, technical requirements, and other circumstances that may influence or affect their bids. This shall include, but not be limited to, the assessment of cable sizes and lengths, the number and types of equipment required, and other associated technical requirements.

The tenderer shall be deemed to have full knowledge of the site and its existing infrastructure upon completion of the site visit. No additional charges shall be entertained on account of any misunderstanding or failure to assess the site conditions or technical requirements.

The tenderer shall be responsible for arranging and maintaining, at their own cost, all materials, manpower, spare parts, tools, equipment, and other resources required for the successful execution of the contract, unless otherwise specifically provided in the contract documents.

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Submission of the tender implies that the tenderer has carefully read and understood this notice and all other contract documents and has familiarized themselves with the scope, specifications, and requirements of the work.

1. **Mandatory Site Visit:** Site visit is compulsory. Bidders who fail to attend the site visit shall not be eligible to participate in the tender process.

2. **Submission of Site Visit Form:** The bidder must upload the duly completed and certified Mandatory Site Visit Form, in the prescribed format provided in the Annexure, along with the technical bid on the CPPP Portal. Failure to submit the Site Visit Form shall render the bid liable for rejection.

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MANDATORY SITE VISIT FORMAT

This is to certify that I/We (Name of Representative, Designation) ..... (Name of contractor/firm with address) have visited the site on and are thoroughly aware of the work, technology/machinery required at NIT Tiruchirappalli campus in relation to the above-mentioned work. We understand the execution site, guidelines, working hours etc. and shall adhere to the contract stipulations, terms, conditions and clauses. We, understand that, if any equipment/ machinery, other parameters had been missed out by us during site visit, it shall be deemed to be included in our scope of work as per NIT Tiruchirappalli's terms and conditions.

Date of visit:

Signature
Firm Name of Representative &
Designation

Verified that Firm had visited the site on ....

Signature of the Tender Inviting Authority

Note: - Site visit is allowed only on working days (Monday to Friday: 9 am to 5 pm except on Holidays). The Tender inviting authority can be contacted through 0431-2503063

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Part-3 Contract

Section VII General Conditions of Contract

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	Section VII General Conditions of Contract	
1	**Definitions:** The following words and expressions shall have the meanings hereby assigned to them:	
	a	"NITT" means National Institute of Technology, Tiruchirappalli established under societies Registration Act XXVII of 1975.
	b	"Contract" means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
	c	"Contract Documents" means the documents listed in the Contract Agreement, including any amendments thereto.
	d	"Contract Price" means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
	e	"Day" means calendar day.
	f	"Completion" means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
	g	"GCC" means the General Conditions of Contract.
	h	"Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
	i	"The Project Site," term where applicable, means the place of work named in the Special Conditions of Contract (SCC).
	j	"Purchaser" means faculty, department and other entities of the competent for purchasing Goods and Services, as specified in the SCC.
	k	"Related Services" means the services incidental to the supply and installation of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
	l	"SCC" means the Special Conditions of Contract.
	m	"Subcontractor" means any person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
	n	"Supplier" means the person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
	o	"The Project Site," where applicable, means the place named in the SCC.

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2	**Contract Documents:** Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.		
3	**Corrupt and Fraudulent Practices:** The Institute requires compliance with its policy against the corrupt and fraudulent practices as set forth Section- V The Purchaser requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the bidding process or execution of the Contract. The information disclosed must include the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.		
4	**Interpretation**		
	4.1	The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.	
	4.2	**Amendment** No amendment or other variation of the Contract shall be valid unless it is reduced to writing, dated, expressly refers to the Contract, and is signed by the duly authorized representative of each party thereto.	
	4.3	**Non waiver**	
		a	Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
		b	Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.
	4.4	**Severability:** If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.	
5	5.1	**Language:** The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the SCC. Supporting documents and printed literature that are part of the Contract may be in any language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, such translation shall govern.	
	5.2	The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.	
6		**Joint Venture, Consortium or Association:** If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfilment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered	

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		without the prior consent of the Purchaser.	
7	7.1	**Eligibility:** The Bidder should not have been declared insolvent by the competent court.	
	7.2	The Bidder should not be disqualified for contract under the law of the India.	
	7.3	The Bidder should not be adjudged defaulter of Tax Payment under Income Tax Law or any other Law for the time being in-force.	
	7.4	The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country. Nationality must be disclosed by the supplier	
	7.5	All Goods and Related Services to be supplied under the Contract shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.	
8	8.1	**Notices** Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term "in writing" means communicated in written form with proof of receipt.	
	8.2	A notice shall be effective when delivered or on the notice's effective date, whichever is later.	
9	9.1	**Governing Law:** The Contract shall be governed by and interpreted in accordance with the laws of India, unless otherwise specified in the SCC.	
	9.2	Throughout the execution of the Contract, the Contractor shall comply with the import of goods and services prohibitions in India when	
		a	Throughout the execution of the Contract, the Contractor shall comply with the import of goods and services prohibitions in India when
		b	by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, India prohibits any import of goods from that country or any payments to any country, person, or entity in that country.
10	10.1	**Settlement of Disputes** The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.	
	10.2	If the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to settle the issue by arbitration, as hereinafter provided, as to the matter in dispute, no arbitration in respect of the matter be commenced unless such notice is given in accordance with this Clause for the final settlement of the matter. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.	
	10.3	All questions, disputes and differences arising shall be referred by the The Director, National Institute of Technology, Tiruchirappalli to the sole arbitrator for arbitration under the provision of the Arbitrations and Conciliation Act, 1996.	
11		**Obligations During Arbitrations** Notwithstanding any reference to arbitration in Clause 10,	
		a	the parties shall continue to perform their respective obligations under the

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			Contract unless they otherwise agree; and
		b	the Purchaser shall pay any amount due to the Supplier.
12		**Scope of Supply** The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.	
13		**Delivery and Documents** Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the SCC.	
14		**Suppliers Responsibilities** The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.	
15		**Contract Price** Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the SCC.	
16	16.1	**Terms of Payment** Ordinarily, payments for services rendered or supplies made shall be released only after the services have been rendered or supplies appropriate to the requirement made. However, in following cases advance payments may be made if specified in SCC:	
		a	Advance payment demanded by firms holding maintenance contracts for servicing of Air-conditioners, computers, other costly equipment, etc.
		b	Advance payment demanded by firms against fabrication contracts, turnkey contracts etc.
		c	Such advance payment should not exceed the following limits: - Thirty percent of the contract value to private firms;
		d	Forty percent of the contract value to a State or central Government agency or a Public Sector Undertaking; or
		e	In case of maintenance contract, the amount should not exceed the amount payable for six months under the contract.
	16.2	The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfilment of all other obligations stipulated in the Contract.	
	16.3	Payments shall be made promptly by the Purchaser, within ninety (90) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it	
	16.4	The currencies in which payment shall be made to the supplier under this contract shall be Indian currency unless otherwise agreed.	
17	17.1	**Taxes and Duties** For goods manufactured outside India, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside India.	
	17.2	For goods Manufactured within India, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.	
	17.3	If any tax exemptions, reductions, allowances or privileges may be available to the	

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		Supplier in India, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent or country or origin, the supplies shall provide benefit from any such tax sowing to the purchaser.	
18	18.1	**Performance Security:** If required as specified in the SCC, the Supplier shall, within twenty-one (21) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the SCC	
	18.2	The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.	
	18.3	As specified in the SCC, the Performance Security, if required, shall be denominated in the currency(ies) of the Contract or in a freely convertible currency acceptable to the Purchaser; and shall be in one of the format stipulated by the Purchaser in the SCC, or in another format acceptable to the Purchaser.	
	18.4	Performance security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligation.	
	18.5	Bid security shall be refunded to the successful bidder 6-8 weeks of receipt of performance security.	
19		**Copyright** The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.	
20	20.1	**Confidential Information** The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.	
	20.2	The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.	
	20.3	The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:	
		a	Now or hereafter enters the public domain through no fault of that party;
		b	can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
		c	otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
	20.4	The above provisions of GCC Clause 20 shall not in any way modify any	

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		undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.	
	20.5	The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.	
21	21.1	**Subcontracting** The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later on shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.	
	21.2	Subcontracts shall comply with the provisions of GCC Clauses 3 and7.	
22	22.2	**Specifications and Standards** Technical Specifications and Drawings	
		a	The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section-VI, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin or India.
		b	Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.
23	23.1	**Packaging and Documents** The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.	
	23.2	The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the SCC, and in any other instructions ordered by the Purchaser.	
24		**Insurance** Unless otherwise specified in the SCC, the Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the SCC.	
25	25.1	**Transportation and Incidental Services** The Supplier is required under the Contract to transport the Goods to a specified place of final destination within India, defined as the Project Site, transport to such place of destination in India, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price"; or any other agreed upon trade terms (specify the respective responsibilities of the Purchaser and the Supplier)	
	25.2	The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:	

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		a	performance or supervision of on-site assembly and/or start up of the supplied Goods;
		b	furnishing of tools required for assembly and/or maintenance of the supplied Goods;
		c	furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
		d	performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
		e	training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
	25.3	Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services otherwise shall be at the cost of suppliers.	
26	26.1	**Inspections and Tests** The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the SCC.	
	26.2	The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in India as specified in the SCC. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.	
	26.3	The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.	
	26.4	Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.	
	26.5	The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.	
	26.6	The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.	
	26.7	The Purchaser may reject any Goods or any part thereof that fail to pass any test	

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		and/or inspection or do not conform to the specifications. The Supplier, if permitted by the purchaser, shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.
27		**Liquidated Damages** Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those SCC. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 33.
28	28.1	**Warranty** The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
	28.2	Subject to Sub-Clause 22.1(b) of GCC, the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
	28.3	Unless otherwise specified in the SCC, the warranty shall remain valid for **3 years comprehensive on-site warranty** after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or warranty period mentioned by supplier whichever period concludes later unless mutually agreed.
	28.4	The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.
	28.5	Upon receipt of such notice, the Supplier shall, within the period specified in the SCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
	28.6	If having been notified, the Supplier fails to remedy the defect within the period specified in the SCC; the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
29	29.1	**Patent Indemnity** The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered.
	29.2	If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall

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		promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.	
	29.3	The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.	
30	30.1	**Force Majeure** For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, wars or revolutions ,fires, floods, epidemics, quarantine restrictions, and freight embargoes.	
	30.2	If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably possible, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.	
	30.3	The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.	
31	31.1	**Change Orders and Contract Amendments** The Purchaser may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:	
		a	drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
		b	the method of shipment or packing;
		c	the place of delivery; and
		d	the Related Services to be provided by the Supplier.
32	32.1	**Extensions of Time** If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.	
	32.2	Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.	
33	33.1	**Termination for Default** The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:	
		a	if the Supplier fails to deliver any or all of the Goods within the period

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			specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause32;
		b	if the Supplier fails to perform any other obligation under the Contract; or
		c	if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing theContract
		In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 33.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.	
	33.2	**Termination for Insolvency** The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.	
	33.3	**Termination for Convenience**	
		a	The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
		b	The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect : (i) to have any portion completed and delivered at the Contract terms and prices ; and/or (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.
34		**Assignment** Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.	
35		If there is a discrepancy between unit price, the unit price will be consideed. If there is any mismatch between figure and word, the amount in word shall prevail.	
36		If any arithmetic mistake in total/GST calculation is observed, the same shall be corrected by the purchaser with an initimation to bidder.	
37		Bids submitted without EMD(Unless exempted) will be treated as disqualified.	
38		The successful bidder should submit Security Deposit/PBG within 15 days from the date of placement of order. The EMD shall be returned only after receipt of SD. If the bidder fails to deliver the material, then the EMD/SD shall be forfeited.	
39		Make in India clause, applicable as per Govt. of India norms. **(ANNEXURE- C)** **PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER:** Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and subsequent revised orders issued	

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		from time to time, purchase preference will be given suppliers as defined in the aforesaid order. The various categories of suppliers defined in the aforesaid order are reproduced below. "Local Content" means the amount of value added in India which shall be value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all the custom duties) as a proportion of the total value, in percent. Accordingly, the suppliers will be classified in following categories. i) Class I local supplier – has local content equal to more than 50% ii) Class II local supplier – has local content more than 20% but less than 50% Verification of Local Content: The Class I Local Supplier /Class II Local Supplier at the time of tender, bidding or solicitation shall be required to indicate the percentage of local content and provide self-certification that the items offered meets the local content requirement as the case may as per Annexure-VII. The details of the location(s) at which the local value addition is made also needs to be mentioned. In case of procurement in excess of Rs.10 crores, the suppliers shall be required to submit a certificate towards percentage of local content from the authorities as stated in the aforesaid order in the technical bid itself. ***Only Class-I, Class-II are eligible for participating in this tender.*** The margin of purchase preference shall be 20%. **Preference to Make In India products (For bids < 200 Crore):** Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. **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 up to 2 years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.**

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40		**LAND BORDER DECLARATION CERTIFICATE (ANNEXURE- D)** Restrictions on procurement from Bidders from a country or countries, or a class of countries under Rule 144(xi) of the General Financial Rules 2017 in which any bidder from a country sharing a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT). Accordingly, Land border declaration certificate should be submitted by the bidders.
41		Bids without quoting GST(unless exempted) will be considered as disqualified, unless specified in the tender document to quote only the basic price.

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Section VIII Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC Clause Ref. No.	SCC
GCC 1.1 (i)	The Purchaser's country is: **India.**
GCC 1.1 (k)	The Purchaser is : **THE DIRECTOR, NIT TIRUCHIRAPPALLI** **KIND ATTENTION TO : Dr.ASHWINTH JANARTHANAN, ASSISTANT PROFESSOR, CENTRE FOR DIGITAL INFRASTRUCTURE**
GCC 1.1 (j)	The Project Site(s)/Final Destination(s) is/are: **CENTRE FOR DIGITAL INFRASTRUCTURE NIT TIRUCHIRAPPALLI.**
GCC 5.1	The language shall be: **English**
GCC 8.1	For notices, the Purchaser's address shall be : Attention : **Dr.ASHWINTH JANARTHANAN,** Street Address : **CENTRE FOR DIGITAL INFRASTRUCTURE** City : TIRUCHIRAPPALLI ZIP Code : 6 2 0 0 1 5 Country : **India** Phone : **95005 24191** E-Mail : ashwinth@nitt.edu
GCC 9.1	The governing law shall be the **law of India**.
GCC 10.2	The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.2 shall be as follows : ***Contracts with Supplier for arbitral proceeding*** In the case of a dispute between the Purchaser and a Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of India by the arbitrator appointed by The Director,NITT, unless otherwise agreed.
GCC 13.1	Details of Shipping and other Documents to be furnished by the Supplier are : (i) An airway bill (ii) Insurance Certificate, (iii) Manufacturer's or Supplier's Warranty Certificate, (iv) Inspection Certificate issued by nominated inspection agency, (v) Supplier's factory shipping details etc. (vi) The above documents shall be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.
GCC 15.1	The prices charged for the Goods supplied and the related Services performed **shall not** be adjustable.
GCC 16.1	GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows : **Payment for Goods supplied from abroad :** Payment of foreign currency portion shall be made in Indian Rupees in the

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	following manner : (i) **On Shipment & Delivery :** Ninety (90%) percent of the Contract Price of the Goods shipped shall be paid through irrevocable confirmed letter of credit opened in favor of the Supplier in a bank in its country, upon receiving equipment in good condition and documents specified in GCC Clause 13.1 under Section-VII. (i) **On Acceptance :** Remaining (10%) percent of the Contract Price of Equipment received shall be paid within **thirty (30) days** of receipt of the equipment upon submission of claim supported by the acceptance certificate issued by the Purchaser by bank draft/wire transfer. Payment of local currency portion shall be made in **Indian Rupees** within **thirty (30) days** of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. **Payment for Goods and Services supplied from within India :** Payment for Goods and Services supplied from within India shall be made in **Indian Rupees**, as follows : (i) **On Delivery, Acceptance and Installation and Commissioning :** Hundred (100%) percent of the Contract Price shall be paid on receipt of the Goods in good conditions, acceptance and satisfactory installation & commissioning certificate provided by the Purchase Initiator. and acceptance certificate for satisfactory installation and functioning.
GCC 18.1	A Performance Security **shall be required @ 3% of contract price**.
GCC 18.3	If required, the Performance Security shall be in the form of : **Bank Guarantee/Bank Deposit Reciept/Demand Draft** If required, the Performance security shall be denominated in **Indian Rupees**.
GCC 23.2	The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract.
GCC 24.1	The insurance coverage shall be as specified in the **Incoterms**. If not in accordance with **Incoterms**, insurance shall be as follows: **NA**
GCC 25.1	Responsibility for transportation of the Goods shall be as specified in the **Incoterms**. If not in accordance with **Incoterms**, responsibility for transportations shall be as follows: **NA**
GCC 25.2	Incidental services to be provided are: Selected services covered under GCC Clause 25.2 and/or other should be specified with the desired features. The price quoted in the bid price or agreed with the selected Supplier shall be included in the Contract Price.
GCC 26.1	The inspections and tests shall be: Equipment should be installed at site by designated engineer of the firm. Demonstration should be made to the satisfaction of the P.I. At least four free visits should be made by the engineer during the first year after installation to clarify and rectify any doubts or problems as may be faced by the user.
GCC 26.2	The Inspections and tests shall be conducted at the Department where the equipment is installed. For the rest please refer to GCC 26.1.
GCC 27.1	The liquidated damage shall be:0.5% per week
GCC 27.1	The maximum amount of liquidated damages shall be:5%
GCC 28.3	The period of validity of the Warranty shall be **3 years comprehensive on-site warranty** from date of acceptance/ satisfactory installation of the equipment.

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	For purposes of the Warranty, the place(s) of final destination(s) shall be the Department where the equipment is installed. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract (if any). If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either : (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4, **or** (b) pay liquidated damages to the Purchaser with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be 0.5% per week of actual value of the equipment (maximum 5%).
GCC 28.5	The period for repair or replacement shall be:10 days

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Part-4
Bidding Forms & Contract Forms

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Section IX
Bidding Forms

Table of Forms

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Annexure-A

Tender Form

(Techno commercial un-priced Bid)

(On the letter head of the firm submitting the bid)

Tender No. …….

To

The _____

_____

_____

Dear Sir,

1. I/We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders;
2. I/We meet the eligibility requirements and have no conflict of interest;
3. I/We have not been suspended nor declared ineligible in India;
4. I/We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: ***[insert a brief description of the Goods and RelatedServices]***;
5. I/We offer to supply the items as listed in the schedule to this tender hereto/portion thereof as you may specify in the acceptance of Tender at the price given in the said Schedule and agree to hold this offer open for a period of 120 Days from the date of opening of thetender.
6. I/we shall be bound by a communication of acceptance issued byyou.
7. I/We have understood the Instruction to bidders and Conditions of Contract in the form as enclosed with the invitation to the tender and have thoroughly examined the specifications quoted in the Schedule hereto and am/are fully aware of the nature of the goods required and my/our offer is to supply the goods strictly in accordance with the specifications andrequirements.
8. A crossed Bank Draft in favor of the Director, National Institute of Technology, Tiruchirappalli for Rs. _____(Rupees_____only) as Earnest Money is enclosed. The Draft is drawn on _____. Bank payable at Tiruchirappalli.
9. The following have been added to form part of this tender.
   (a) Samples of items quoted for, as per instructions provided in the schedule of requirement.
   (b) Schedule of requirements, quoting the make only duly signed and stamped.(without indicating price)
   (c) Income Tax Return.
   (d) Copy of last audited balancesheet.

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(e) Copy of Valid GST/TAN/TIN.

(f) Copy of relevant major purchase orders valuing more than Rs.(_____) estimated cost/- executed during last two years for Govt. Depts., PSUs & Central Autonomous bodies.

(g) Proof of manufacturing Unit, dealership certificate/general order suppliers.

(h) Statement of deviations from financial terms & conditions, if any.

(i) Any other enclosure. (Please give details)

10. We undertake to execute all orders which have been placed to meet emergent requirements on priority basis.

11. Certified that the bidder is:

(a) A sole proprietorship firm and the person signing the bid document is the sole proprietor / constituted attorney of the sole proprietor,

Or

(b) A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power of attorney.

Or

(c) A company and the person signing the document is the constituted attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariable be duly attested by the person authorized to sign the bid document).

12. We do hereby undertake that, until a formal notification of award, this bid, together with your written acceptance thereof shallconstitute a binding contract between us.

13. If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;

14. We are not participating, as a Bidder or as a sub contractor, in more than one bid in this bidding process, other than alternative bids submitted;

15. We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption.

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Name of the Bidder*	:	
GSTIN Number of the Bidder		
NSIC / MSME REGISTERED BIDDERS DETAILS (**IF APPLICABLE**) [THE SCANNED COPY OF THE CERTIFICATE TO BE UPLOADED IN THE EMD SECTION]		
MSME Registration Number & Validity of the Certificate		
NSIC Government Registration Number & Validity of the Certificate		
Name of the person duly authorized to sign the Bid on behalf of the Bidder**	:	
Title of the person signing the Bid	:	
Signature of the person named above	:	
Date signed	:	

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

**: Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid Schedules.

Yours faithfully,

(Signature of bidder)

Dated this day of_____

Address: …….

……..…..

…….……

……..……

Telephone No.:_____

E-mail_____

_____

Company seal

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Annexure-B

Tender Form

(Priced Bid)

(On the letter head of the firm submitting the bid document)

To

The_____

_____

_____

Ref: Tender No……Dated: ……..……..……

Sir,

Having examined the bidding documents and having submitted the techno commercial unpriced bid for the same, we, the undersigned, hereby submit the priced bid for supply and installation of goods and services as per the schedule of requirements and in conformity with the said bidding documents.

1. We hereby offer to supply the Goods/Services at the prices and rates mentioned in the enclosed schedule ofrequirement.
2. We do hereby undertake that, in the event of acceptance of our bid, the supply and installation of Goods/Services shall be made as stipulated in the schedule of requirement and that we shall perform all the incidental services.
3. The prices quoted are inclusive of all charges net F.O.R NITT. We submitted herewith the complete Financial Bid as required by you in the Financial bid part. This includes:
   a. Price Schedule (Bill of Quantity-BOQ).
   b. Statement of deviations from financial terms andconditions.
4. We agree to abide by our offer for a period of 120 Days from the date fixed for opening of the bid documents and that we shall remain bound by a communication of acceptance within that time.
5. We have carefully read and understood the terms and conditions of the bid document and we do hereby undertake to supply as per these terms and conditions. The Financial Deviations are only those mentioned in the statement of deviations from financial terms and conditions.
6. We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed ; and
7. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Certified that the bidder is:

A sole proprietorship firm and the person signing the bid document is the sole proprietor/ constituted attorney of sole proprietor,

Or

A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power ofattorney,

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Or

A company and the person signing the bid document is the constituted attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariably be duly attested by the person authorized to sign the bid document.)

We do hereby undertake that, until a formal notification of award, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.

Signature of Bidder_____

Dated this day of _____

Details of enclosures_____

Full Address:_____

Telephone No._____

Mobile No.: _____

E-mail: _____

Company Seal

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Annexure-C

DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04TH JUNE, 2020 AND SUBSEQUENT ORDER(S)

(To be typed and submitted in the Letter Head of the Entity/Firm providing certificate as applicable)

Sub: Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 04th June, 2020 and subsequent order(s).

Ref : 1) NITT/Tender No : ……
2) Name of the goods/services : ……

In line with Government Public Procurement Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and its amendments, we hereby certify that we M/s _____ are local supplier meeting the requirement of minimum local content i.e., _____.% as defined in above orders for the goods/services against Tender No…….dated……..

Details of location at which local value addition will be made as follows :

_____.

We also understand, 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 up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Signature with date:

Name: Designation Official Seal

Note:

1. Bidders to note that above format Duly filled & signed by authorized signatory, shall be submitted along with the bid.
2. The bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid.
3. In case the bidder's quoted value is in excess of Rs. 10 crores, the authorized signatory for this declaration shall necessarily be the statutory auditor or cost auditor of the company (in the case of companies) or a practising cost accountant or practicing chartered accountant (in respect of suppliers other than companies).

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Annexure- D

LAND BORDER SHARING DECLARATION

(To be submitted in the bidder's letter head)

In-line with Department of Expenditure's (DoE) Public Procurement Division Order vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020

Tender Notification no . …….

Name of the Goods/Services: ……..

"I/ we have read the clauses pertaining to Department of Expenditure's (DoE) Public Procurement Division Order (Public procurement no 1, 2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020) regarding restrictions on procurement from a bidder of a country which shares a land border with India. I/We hereby certify that I/ we the bidder < name of the bidder……> is / are

a) Not from such a country and eligible to be considered for this tender.

OR

b) From such country, has been registered with the competent authority and eligible to be considered for this tender. (Evidence of valid registration by the competent authority shall be attached)

For and behalf of _____ (Name of the bidder)

(Signature, date & seal of authorized representative of the bidder)"

NIT , Tiruchirappalli

Annexure- E

BIDDER INFORMATION FORM

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date : [insert date (as day, month and year) of Bid Submission]
ADVT. No. : [insert number of bidding process]
Alternative No.: [insert identification No if this is a Bid for an alternative]

1. Bidder's Name *[insert Bidder's legal name]*
2. In case of JV, legal name of each member : *[insert legal name of each member in JV]*
3. Bidder's actual or intended country of registration: *[insert actual or intended country of registration]*
4. Bidder's year of registration: *[insert Bidder's year of registration]*
5. Bidder's Address in country of registration: *[insert Bidder's legal address in country of registration]*
6. Bidder's Authorized Representative InformationName : *[insert Authorized Representative's name]* Address :*[insert Authorized Representative'sAddress]* Telephone/Fax numbers : *[insert Authorized Representative's telephone/fax numbers]* Email Address: *[insert Authorized Representative's email address]*
1. Attached are copies of original documents of *[check the box(es) of the attached original documents]* ☐ Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity namedabove. ☐ In case of JV, letter of intent to form JV or JVagreement. ☐ In case of Government-owned enterprise or institution, documents establishing: • Legal and financialautonomy • Operation under commerciallaw • Establishing that the Bidder is not dependent agency of thePurchaser 2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

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Annexure- F

Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**.]*

Date :*[insert date(as day ,month and year)of Bid Submission]*
ADVT. No. : *[insert number of bidding process]*
Alternative No.:*[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign theContract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on_____day of_____,_____*[insert date of signing]*

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Annexure- G

(TO BE PRINTED IN LETTER PAD OF THE FIRM)

EMD Returning Form

To,

The Director

National Institute of Technology,

Tiruchirappalli – 620 015

Sub: Returning EMD amount

Sir / Madam,

Our firm has participated in the tender / quotation enquiry No mentioned below and produced the EMD amount through SBI collect, details are given below.

Tender / Quotation Reference No	
EMD amount	
SBI Collect Transaction Number	
SBI Collect Transaction Date	

It is requested to return the EMD amount to our firm after completion of the purchase to the below mentioned Bank account.

Account Name	
Bank Account Number	
IFS code	
Bank	

Signature with Seal and Date

NIT Tiruchirappalli

Annexure- H

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date: / /

To

The Director,
National Institute of Technology,
Tiruchirappalli – 620 015, Tamil Nadu

Sub	**:**	**Authorization for release of payment / dues from National Institute of Technology, Tiruchirappalli through Electronic Fund Transfer/RTGS Transfer.**

1. Name of the Party / Firm / Company / Institute :
2. Address of the Party :
3. City_____Pin Code_____
4. E-Mail_____Mobile No:_____
5. Permanent Account Number_____
6. Particulars of Bank:

Bank Name:		**Branch Name:**	
PIN Code:		**Branch Code:**	
IFS Code:(11 digit alpha numeric code)			
Account Type	**Savings**	**Current**	**Cash Credit**
Account Number:			

DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold Director, National Institute of Technology Tiruchirappalli responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Place:_____ Date:_____

Signature & Seal of the Authorized Signatory of the Party

Section X
Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contractaward.

Table of Forms

	Forms	Page No
1.	Tender Acceptance Letter	

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Tender Acceptance Letter

(To be given on Company Letter Head)

Date:

_____

_____

_____

_____

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No. :

Name of Tender / Work :

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 PageNo._____to_____(including all documents like section(s), schedules(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 itstotality/entirety.

5. In case any provisions of this tender are found violated, then your department/organisation shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

(Signature of the bidder with Official Seal)

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HELP PAGE FOR COVER-WISE UPLOADING THE TENDER DOCUMENTS IN E-TENDER PORTAL AFTER LOGGING IN TO THE BIDDER'S LOGIN

COVER - 1

Cover No	Cover Type	Document Type	Description	Remarks
1	**Fee**	.pdf	Scanned Copy of EMD/Bid Security in the form of SBI collect	EMD Amount specified in the Tender Document
		.pdf	EMD Returning Form and Mandate Form for Electronic Fund Transfer/RTGS Transfer	ANNEXURE-G and H

COVER - 2

2	**PreQual**	.pdf	Declaration by the firm that it has never been black-listed	Self declaration by the firm duly signed & stamped
		.pdf	Profile of each Bidder and past experience in supply and installation of the material	Previous supplies to the Govt. Institutions / Govt. Organizations.
		.pdf	Minimum Local Content declaration ANNEXURE-C	Minimum local content declaration as per MII policy
		.pdf	Land Border Sharing Declaration as per ANNEXURE-D	Land Border Sharing Declaration as per ANNEXURE-D and competent authority registration certificate.
		.pdf	Manufacturers authorization certificate	The form available in Part – 4 Section IX to be filled in by the Manufacturer/ OEM in the Manufacturer / OEM letter head with the Signatory name, Designation, Phone Number.
		.pdf	Checklist for Bid/Tender Submission	Duly filled and signed and stamped Checklist for Bid / Tender Submission available in the page no.3
		.pdf	Copy of the last three years audited balance sheet of your firm	Audited Balance sheet of the firm for the last three years

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COVER – 3

Cover No	Cover Type	Document Type	Description	Remarks
3	**Technical**	.pdf	Tender Forms (Techno Commercial Un-Priced Bid and Tender Acceptance Letter)	Techno commercial Un-priced bid and duly filled and signed Tender Acceptance letter available in Part – 4 Section IX
		.pdf	Scanned Copy of Completion Schedules	Previous supplies and installation along with completion certificate
		.pdf	Technical Bid (brochures /pamphlets)	Brochure / Pamphlet of the quoted Make & Models along with the specifications
		.pdf	Scanned Copy of written confirmation authorizing the signatory of the Bid to commit the Bidder	Authorising the signatory of the bid to commit the bidder in (written confirmation)
		.xls	Technical Bid	Duly filled-in Technical Excel file in 97-2003 format
		.pdf	Technical Bid	Duly filled-in and signed Technical bid in PDF

COVER - 4

4	**Finance**	.pdf	Scanned Copy of Tender form (Priced Bid)	Duly filled and signed Tender Form (Price Bid) available in Part – 4 Section IX
		.xls	BOQ	Duly filled in Price Bid Excel file in 97-2003 format
		.pdf	Scanned copy of item wise breakup of price bid	Item wise breakup of price bid in PDF (duly signed)

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