

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

Web: www.nitt.edu Phone: 94448 10545

e-Procurement Notice

Ref: NITT/F.NO:R-077/CAPEX(OH-35)/24-25/MEC Dated:27-01-2025

Online tenders are hereby invited in two Bid system from Indian Nationals for CCTV SURVEILLANCE INFRASTRUCTURE FOR MECHANICAL ENGINEERING

Bidders can download complete set of bidding documents from e- procurement Platform https://eprocure.gov.in/eprocure/app from 27-01-2025 @ 6.55 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: 17-02-2025 @3 p.m. (Server time).

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	27-01-2025 @ 6.55 P.M
Bid Document Download Start Date	27-01-2025 @ 6.55 P.M
Clarification Start Date	Not Applicable
Clarification End Date	Not Applicable
Pre bid meeting	Not Applicable
Venue of Pre-bid Meeting	Not Applicable
Bid Submission Start Date	27-01-2025 @ 6.55 P.M
Bid Submission End Date	17-02-2025 @ 3 P.M
Bid Opening Date(Technical)	18-02-2025 @ 3 P.M
Bid Opening Date(Price)	Will be announced after technical evaluation

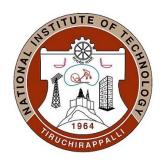
Note: *Bidder should submit the EMD as specified in the tender. The hard copy should be posted / couriered / deposit in person to the Central Dispatch section / Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the DD/Bank guarantee should be uploaded as part of the offer. Exemptions shall be given as per Govt.Guidelines.

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).

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

DEPARTMENT OF MECHANICAL ENGINEERING

Web: www.nitt.edu Phone: 94448 10545



Tender Document (e - Procurement)

Tender Notification No	Ċ	NITT/F.NO:R-077/CAPEX(OH-35)/24- 25/MEC
Date	;	27-01-2025
Name of the Department		MECHANICAL ENGINEERING
Name of the component	:	CCTV SURVEILLANCE
		INFRASTRUCTURE FOR MECHANICAL
		ENGINEERING
EMD Amount	:	Rs.14,000/-
Last Date & Time of submission of Tender	:	17-02-2025 @ 3 P.M
Address for submission of Tender	:	THE DIRECTOR, NIT
		TIRUCHIRAPPALLI- 15
		KIND ATTENTION TO:
<u> </u>		DR.PRAKASH R,
		ASST. PROFESSOR,
		DEPARTMENT OF MECHANICAL
		ENGINEERING
Date & Time of opening of technical bid	:	18-02-2025@ 3 P.M

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: +91-431-250-3963/3961/3056

Detailed Circular is attached in the web link below:

https://www.nitt.edu/home/other/tenders/Instructions_to_bidders.pdf

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	
7	Exemption.	
7.	Have you submitted Minimum Local content Declaration form for	
0	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	

	techno commercial unpricedbid?	
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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Part - 1 Bidding Procedures

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

- 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 the bidders.
- 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 anyperson.

- 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.

Section II: Instructions to Bidders

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Section II. Instructions to Bidders

SUPPLY AND INSTALLATION OF CCTV SURVEILLANC INFRASTRUCTURE FOR MECHANICAL ENGINEERING as p Spécifications. Through out these Bidding Documents unless the context otherwi requires: " a. 'in writing " means communicated in written form (e.g. by mail, e-mail, fax, tele with proof of receipt; b. "Institution means National Institute of Technology, Tiruchirappalli' ELIGIBLE BIDDERS 2.1 A Bidder may be a firm, a company, a Limited Liability Partnership (LLP), government-owned entity or any combination of such entities in the form of a Joi 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 sha nominate a Représentative who shall have the authority to conduct all busine for and on behalf of any and all the members of the JV during the bidding the supplier of the
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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
conflict of interest shall be disqualified. A Bidder may be considered to have
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 Bidde
or
c has the same legal representative as another Bidder; or
d has a relationship with another Bidder, directly or through common this
parties, that puts it in a position to influence the bid of another Bidder,
influence the decisions of the Purchaser regarding this bidding process; or
e Participates in more than one bid in this bidding process. Participation by
Bidder in more than one Bid shall result in the disqualification of all Bids
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 pa
of the loan) who:
(i) are directly or indirectly involved in the preparation of the biddir
documents or specifications of the contract, and/or the b
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
regulations, India prohibits commercial relations with the country of bidder.
2.5 A Bidder shall provide such evidence of eligibility satisfactory to the Purchase
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
		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		FICATION 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
	4.2	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
	7.5	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		ment 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
	5.2	published on https://eprocure.gov.in/eprocure/app . Any addendum issued shall be part of the Ridding Documents and shall be
	3.2	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
	3.3	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	LANGU	AGE OF BID:
	The Bid, and the I and prin accompa	as well as all correspondence and documents relating to the bid exchanged by the Bidder Purchaser, shall be written in the language specified in the BDS. Supporting documents ted literature that are part of the Bid may be in another language provided they are nied by an accurate translation of the relevant passages into the language specified in the which case, for purposes of interpretation of the Bid, such translation shallgovern.
7		ents Comprising the Bid
	The ter	nder/Bid shall be submitted online in two part, viz., Technical Bid and
	Comme	rcialBid.
	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
	1.2	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
		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
	10.1	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
	10.2	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:
		 GST payable on the Goods, if the contract is awarded to the Bidder; and 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;
	•	

	1	
		c For Related Services, other than inland transportation and other services
		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
11		applicable taxes)
11		Currencies of Bid and Payment:
		The currency(ies) of the bid and the currency(ies) of payments shall be as
10	10.1	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,
	10.0	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
	10.1	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
	10.0	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
1.4	1.4.1	required nor permitted to modify the bid.
14	14.1	Bid Security The Didden shall formish as next of its hid a hid security as an eifed in the DDS
		The Bidder shall furnish as part of its bid, a bid security, as specified in the BDS,
	14.2	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 Demand Draft h An unconditional guarantee issued by a Pank of a granuted source from
		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 legated outside India, the issuing financial institution shall have a
		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 forty five (45) days beyond the original
	14.3	validity period of the bid, or beyond the extended period. If a Bid Security is specified, any bid not accompanied responsive Bid Security.
	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	
	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
	14.3	
	L	possible once the successful Bidder has signed the contract and furnished the

		required performance security.
	14.6	The Bid Security of the bidder may be forfeited or the EMD executed:
	14.0	
		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; orii. furnish a performance Security
	D SIIRI	MISSION AND OPENING OF BIDS
15	D.30D1	Sealing and Marking of Bids: The Bidder shall submit the bids electronically,
13		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
		- · ·
1.6		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
17		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
10		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
10	10.1	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
	10.2	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
	10.2	shall be considered further. The Purchaser shall prepare a record of the hid eneming that shall include: the
	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 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							
	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						
	20.2	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						
21	21.1	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						
	23.3							
L	<u> </u>	Contract, applied over the period of execution of the Contract, shall not be taken						

		into account in hid avaluation
	25.4	into account in bid evaluation.
	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
	25.2	bid meets the qualifying criteria.
	27.2	The determination shall be based upon an examination of the documentary
	27.0	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
20		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
	1	, , , , , , , , , , , , , , , , , , , ,

		Section VI, Schedule of Requirements, provided this does not exceed the				
		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				
	31.2	the bidding. Until a formal Contract is prepared and executed, the notification of award shall				
	31.2					
	31.3	constitute a binding Contract. The Purchaser shall promptly respond in writing to any unsuccessful Bidder who,				
	31.3	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 of demonstrate to the satisfaction of the Purchaser that signing of the Cont				
		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.				

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:R-077/CAPEX(OH-35)/24-25/MEC
2.	The Purchaser is The Director, NIT Tiruchirappalli.
	Kind Attention To:
	DR.PRAKASH R, ASST. PROFESSOR,
	DEPARTMENT OF MECHANICAL ENGINEERING

Sl. No.	B. Contents of Bidding Documents								
3.	For Clarification of bid purposes only, the Purchaser's address is DEPARTMENT OF MECHANICAL ENGINEERING, National Institute of Technology, Tiruchirappalli, 620015								
	Attention : DR.PRAKASH R, ASST. PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING								
	Address : 1	National Institute of Technology, Tiruchirappalli,							
	Floor / Room number : -								
	City : '	: Tiruchirappalli							
	ZIPCode : 0	: 620015							
	Country : 1	Country : India							
	Telephone : 94448 10545								
	E-Mail : rprakash@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	: Not Applicable Not Applicable							

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): DEPARTMENT OF MECHANICAL ENGINEERING , 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 IndianRupees)						
	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 120 days						
11.	EMD / Bid security Rs.14,000/- shall be paidby the way of Demand Draft (DD) / Bank Gauarantee (BG) in favor of The Director, National Institute of Technology, Tiruchirappalli 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						

Sl. No.	D. Submission and Opening of Bids							
1.	Attention : DR.PRAKASH R, ASST. PROFESSOR, DEPARTMENT OF MECHANICAL ENGINE							
	StreetAddress : National Institute of Technology, Tiruchirappalli,							
	City	: Tiruchirapalli						
	ZIP/PostalCode	: 620 015						
	Country	: India						
	The deadline for bid su	ubmission is :						
	Date and Time	: 17-02-2025 @ 3 P.M						
	The electronic biddin	ng opening procedures shall be as given in Section I-						
	Instructions for Online Bid Submission.							
2.	1 0	l take place at : Stores and Purchase Section, National						
		gy, Tiruchirappalli-620015.						
	StreetAddress	: National Institute of Technology, Tiruchirappalli						
	Floor / Roomnumber	: Admininstrative Block						
	City	: Tiruchirappalli						
	Country	: India						
	Date and Time	: 18-02-2025@ 3 P.M						
	The electronic bidding opening procedures shall be as given in Section I -							
	Instructions for Online	Bia Sudmission.						

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 :25%
	The maximum percentage by which quantities maybe decreased is: 25%

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. Make in india local content declaration form.
- 5. Copy of the last three years audited balance sheet of your firm
- 6. Land border declaration form and competent authority regitration, if applicable
- 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 pricing components.
- 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.

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, coercive or collusive practice; 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 specified period.

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.

Part - 2 Supply Requirements

Section VI. Schedule of Requirements

Contents

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

1. List of Goods and Delivery Schedule

	Description of Goods	Qty	Physical unit	Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
Item No.					Earliest Delivery Period (Weeks)	Latest Delivery Period (Weeks)	Bidder's offered Delivery period [to be provided by the bidder]
1.	CCTV SURVEILLANCE INFRASTRUCTURE FOR MECHANICAL ENGINEERING (AS PER THE TECHNICAL SPECIFICATIONS)	AS PER THE TECHNICAL SPECIFICATIONS and BOQ	No.	DEPARTMENT OF MECHANICAL ENGINEERING	4	8	

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

TECHNICAL SPECIFICATIONS

S.No.	Description	Qty
1	4MP Outdoor Bullet Camera	8
2	4MP Dome Camera	12
3	8 Channel Network Video Recorder (NVR)	2
4	16 Channel Network Video Recorder (NVR)	1
5	4 TB Surveillance Hard disks	2
6	8 TB Surveillance Hard disks	1
7	4-Port POE Switch	2
8	16-Port PoE+ Manageable Switch	1
9	UPS 1500VA	1
10	UPS 1000VA	3
11	9U Wall Mount Network Rack	4
12	43-inch 4K UHD Display	2
13	Waterproof PVC Square Junction Box for CCTV	20
14	Installation of Indoor CCTV Camera with Casing- Caping and CAT cable laying -1 Meter	1220
15	Installation of Indoor CCTV Camera with CAT6 cable laying – 1 Meter	1220
16	Installation of Wall Mount Network Rack	4
17	Installation of Network Video Recorders (3) and POE Switch's (3)	1

1.	Name of the Equipment / Goods	4MP Outdoor Bullet Camera
	Make / Model	
	Image Sensor	1/3" 4MP Progressive Scan CMOS or higher
	Illumination	Colour 0.003 Lux @ F1.4-2.0 range
	mummation	0 Lux IR on
4	Shutter Speed	1/3s to 1/100,000s
	Lens	2.4-3.0mm fixed
	Aperture	F 1.4-2.0
	Focal Length & FOV	Diagonal FOV 120° or higher
	IR Range	Min 40meter
	Resolution	Min 2560 × 1440
	Stream	Min 2560 × 1440@30 fps
	Video Compression	H.265, H.264, H.264+, MJPEG
	Video Bit Rate	Min 8Mbps
	Scalable Video Coding	H.264 and H.265
	Audio Type	Mono with Noise Filtering
	Audio Compression	G.711, G.726 or equivalent standards
	Audio Input	Min 1 Channel

	Anti-flicker, Mirror, Privacy mask, Pixel counter,
Settings / Functions	Rotate mode, Saturation, Brightness, Contrast,
	Sharpness, Gain, White balance
Day/Night Switch	Auto and Schedule
Errout Alama	Motion detection human and vehicle,
Event Alarm	Abandoned/Missing objects, video tampering
Ethernet Interface	RJ45 10 M/100 M self-adaptive
On-Board Storage	Built-in memory card slot
Danier C	DC: 12V
Power Supply	PoE: 802.3af
Camera Body	Aluminium alloy or equivalent
Environment Protection	IP 67 or higher
Weight	Max 800g
Regulatory / Certifications	BIS
Accessories	Cables and Standard Accessories
Warranty	Min 36 Months comprehensive On-Site Warranty

Name of the Equipment / Goods	4MP Dome Camera
Make / Model	
Image Sensor	1/2.8" 4MP Progressive Scan CMOS or higher
711	Color 0.01 Lux @ F 2.0 / 0.0005 Lux @ F 1.0 range
Illumination	0 Lux IR on
Shutter Speed	1/3s to 1/100,000s
Lens	2.4-3.0mm fixed
Aperture	F 1.0-2.0
Focal Length & FOV	Diagonal FOV 120° or higher
IR Range	Min 30meter
Resolution	Min 1920 × 1080
Stream	Min 1920 × 1080@30 fps
Video Compression	H.265, H.264, H.264+, MJPEG
Video Bit Rate	Min 8Mbps
Scalable Video Coding	H.264 and H.265
	Anti-flicker, Mirror, Privacy mask, Pixel counter,
Settings / Functions	Rotate mode, Saturation, Brightness, Contrast,
, in the second	Sharpness, Gain, White balance
Day/Night Switch	Auto and Schedule
Event Alarm	Motion detection human and vehicle,
	Abandoned/Missing objects, video tampering
Ethernet Interface	RJ45 10 M/100 M self-adaptive
Power Supply	DC: 12V
	PoE: 802.3af
Environment Protection	IP 67 or higher
Camera Protection	Vandal Proof
Weight	Max 800g
Regulatory / Certifications	BIS
Accessories	Cables and Standard Accessories
Warranty	Min 36 Months comprehensive On-Site Warranty

3.	Name of the Equipment / Goods	8 Channel Network Video Recorder (NVR)
	IP video input	8-Channel
	Camera MP Compatibility	8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher

	People counting camera
Camera Types Compatibility	ANPR camera
	Fisheye camera
	Multi Brand IP Cameras
Smart and Intelligent Features	Min 4 Channel Video Stream Facial recognition
	Min 8 Channel Picture Facial recognition
	Should have Intrusion Detection / Line Crossing alarm
	Should have a Target Search feature
	Should have an Intelligent Search Picture
	Should support face capture IP cameras
Trigger Functions	Recording, PTZ, Email, FTP, Zoom, Tracking
Stream Security	TLS encryption or better
Bandwidth	Incoming: Min 160Mbps, Outgoing: Min 256Mbps
Video Output	Min 1x HDMI 4K 30Hz
Video Output	Min 1x VGA
Video Compression & Decoding	H.265, H.264+, H.264, MPEG4/MJPEG
Decoding Capability	Min 8-ch @ 1080p 30 fps
Audio Compression	G.722, G.726, MP2, AAC
Remote User Access	Min 128
NI-days day not a 1	TCP/IP, IPv4, IPv6, DNS, DHCP, DDNS, NTP, RTSP, SMTF
Network protocol	SNMP, UPnP, HTTP, HTTPS, ONVIF
Network interface	Min 2x RJ-45 10/100/1000 Mbps self-adaptive
Backup Mode	USB Device, Network
SATA	Min 1x SATA interfaces
USB interface	Min 1x USB 3.0, Min 1x USB 2.0
	Min 4-Ch Alarm In
Alarm	Min 1-Ch Alarm Out
Power supply	Min 1x 100 to 240 VAC, 50 ~ 60 Hz
II OWEL SUDDIV	
2.2.4	
Chassis	Max 2U Size
Chassis Accessories	Max 2U Size Cables and Standard Accessories
Chassis Accessories Warranty	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty
Chassis Accessories Warranty Name of the Equipment / Goods	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR)
Chassis Accessories Warranty Name of the Equipment / Goods IP video input	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel
Chassis Accessories Warranty Name of the Equipment / Goods	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher
Chassis Accessories Warranty Name of the Equipment / Goods IP video input	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera
Chassis Accessories Warranty Name of the Equipment / Goods IP video input	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have a Target Search feature
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have an Intelligent Search Picture
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have a Target Search feature Should support face capture IP cameras
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features Trigger Functions	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have a Target Search feature Should support face capture IP cameras Recording, PTZ, Email, FTP, Zoom, Tracking
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features Trigger Functions Stream Security	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have an Intelligent Search Picture Should support face capture IP cameras Recording, PTZ, Email, FTP, Zoom, Tracking TLS encryption or better
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features Trigger Functions	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have a Target Search feature Should have an Intelligent Search Picture Should support face capture IP cameras Recording, PTZ, Email, FTP, Zoom, Tracking TLS encryption or better Incoming: Min 160Mbps, Outgoing: Min 256Mbps
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features Trigger Functions Stream Security Bandwidth	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have a Target Search feature Should have an Intelligent Search Picture Should support face capture IP cameras Recording, PTZ, Email, FTP, Zoom, Tracking TLS encryption or better Incoming: Min 160Mbps, Outgoing: Min 256Mbps Min 1x HDMI 4K 30Hz
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features Trigger Functions Stream Security Bandwidth Video Output	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have a Target Search feature Should have an Intelligent Search Picture Should support face capture IP cameras Recording, PTZ, Email, FTP, Zoom, Tracking TLS encryption or better Incoming: Min 160Mbps, Outgoing: Min 256Mbps Min 1x HDMI 4K 30Hz Min 1x VGA
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features Trigger Functions Stream Security Bandwidth	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have a Target Search feature Should have an Intelligent Search Picture Should support face capture IP cameras Recording, PTZ, Email, FTP, Zoom, Tracking TLS encryption or better Incoming: Min 160Mbps, Outgoing: Min 256Mbps Min 1x HDMI 4K 30Hz
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features Trigger Functions Stream Security Bandwidth Video Output	Max 2U Size Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have a Target Search feature Should have an Intelligent Search Picture Should support face capture IP cameras Recording, PTZ, Email, FTP, Zoom, Tracking TLS encryption or better Incoming: Min 160Mbps, Outgoing: Min 256Mbps Min 1x HDMI 4K 30Hz Min 1x VGA
Chassis Accessories Warranty Name of the Equipment / Goods IP video input Camera MP Compatibility Camera Types Compatibility Smart and Intelligent Features Trigger Functions Stream Security Bandwidth Video Output Video Compression & Decoding	Cables and Standard Accessories Min 36 Months comprehensive On-Site Warranty 16 Channel Network Video Recorder (NVR) 16-Channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher People counting camera ANPR camera Fisheye camera Multi Brand IP Cameras Min 4 Channel Video Stream Facial recognition Min 8 Channel Picture Facial recognition Should have Intrusion Detection / Line Crossing alarm Should have an Intelligent Search Picture Should support face capture IP cameras Recording, PTZ, Email, FTP, Zoom, Tracking TLS encryption or better Incoming: Min 160Mbps, Outgoing: Min 256Mbps Min 1x HDMI 4K 30Hz Min 1x VGA H.265, H.264+, H.264, MPEG4/MJPEG

	TCP/IP, IPv4, IPv6, DNS, DHCP, DDNS, NTP, RTSP, SMTP,
Network protocol	SNMP, UPnP, HTTP, HTTPS, ONVIF
Network interface	Min 2x RJ-45 10/100/1000 Mbps self-adaptive
Backup Mode	USB Device, Network
SATA	Min 2x SATA interfaces
USB interface	Min 1x USB 3.0, Min 1x USB 2.0
Alarm	Min 4-Ch Alarm In
D 1	Min 1-Ch Alarm Out
Power supply	Min 1x 100 to 240 VAC, 50 ~ 60 Hz
Chassis	Max 2U Size
Accessories	Cables and Standard Accessories
Warranty	Min 36 Months comprehensive On-Site Warranty
Name of the Equipment / Goods	4 TB Surveillance Hard disks
Capacity	4 TB
Туре	Internal
Form Factor	3.5
Interface	SATA 6 Gb/s
Recording technology	CMR
Cameras Support	Min 64
AI Channels / Streams	Min 32
Data Transfer Rate	Min 175 MB/s
Cache	Min 256 MB
Load/Unload Cycles	Min 600,000
Workload Rate	Min 180 TB/year
MTBF	Min 1,000,000 hours
Warranty	Min 36 Months comprehensive On-Site Warranty
Name of the Equipment / Goods	8 TB Surveillance Hard disks
Make / Model	6 1B Surveinance Hard disks
Capacity	8 TB
Type	Internal
Form Factor	3.5
Interface	SATA 6 Gb/s
	CMR
Recording technology	
Cameras Support	Min 64
Cameras Support AI Channels / Streams	Min 64 Min 32
Cameras Support AI Channels / Streams Data Transfer Rate	Min 64 Min 32 Min 245 MB/s
Cameras Support AI Channels / Streams Data Transfer Rate Cache	Min 64 Min 32 Min 245 MB/s Min 256 MB
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty 4-Port PoE Switch
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods Make / Model	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty 4-Port PoE Switch Min 4× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty 4-Port PoE Switch Min 4× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX)
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods Make / Model Interfaces	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty 4-Port PoE Switch Min 4× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) Min 1x Gigabit SFP Slot
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods Make / Model Interfaces PoE Ports	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty 4-Port PoE Switch Min 4× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) Min 1x Gigabit SFP Slot Min 4x PoE RJ45 Ports
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods Make / Model Interfaces PoE Ports PoE Power	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty 4-Port PoE Switch Min 4× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) Min 1x Gigabit SFP Slot Min 4x PoE RJ45 Ports Min 55W
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods Make / Model Interfaces PoE Ports	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty 4-Port PoE Switch Min 4× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) Min 1x Gigabit SFP Slot Min 4x PoE RJ45 Ports Min 55W 802.3at/af IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE
Cameras Support AI Channels / Streams Data Transfer Rate Cache Load/Unload Cycles Workload Rate MTBF Warranty Name of the Equipment / Goods Make / Model Interfaces PoE Ports PoE Power PoE Standard	Min 64 Min 32 Min 245 MB/s Min 256 MB Min 600,000 Min 550 TB/year Min 2,000,000 hours Min 60 Months comprehensive On-Site Warranty 4-Port PoE Switch Min 4× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) Min 1x Gigabit SFP Slot Min 4x PoE RJ45 Ports Min 55W 802.3at/af

Accessories	Cables and Standard Accessories
Warranty	Min 36 Months comprehensive On-Site Warranty
Name of the Equipment / Goods	16-Port PoE+ Manageable Switch
Make / Model	
Interfaces	Min 16× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) Min 2x Gigabit SFP Slots
PoE Ports	Min 16x PoE+ RJ45 Ports
PoE Power	Min 250W
PoE Standard	802.3at/af
Standards and Protocol Support	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.1q, IEEE 802.1p
Fans	Min 2x Fans
Switching Capacity	Min 36 Gbps
Packet Forwarding Rate	Min 24 Mbps
MAC Address Table	Min 8K V4
Packet Buffer Memory	Min 4 Mbit
Software Feature	Queue Weight Config Bandwidth Control Min 16x IP Interfaces Min 32x Static Routing DHCP Relay DHCP Snooping Link Aggregation Loopback Detection Mirroring Min 4K VLAN Groups 802.1Q tag VLAN 802.1X Port-based authentication IP/IPv6-MAC Binding DHCP Snooping IP/Port/MAC-based access control Automatic Device Discovery Network Monitoring Event Warnings
Management	Command Line Interface (CLI) SNMPv1/v2c/v3 Cloud Access through OEM Software Controller
Mount Compatibility	Rack Mounted
Power supply	Min 1x 100 to 240 VAC, 50 ~ 60 Hz
Accessories	Cables and Standard Accessories
Warranty	Min 36 Months comprehensive On-Site Warranty
Name of the Equipment / Goods	UPS 1500VA
Make / Model	
Topology	Line Interactive
Output Power Capacity	Minimum 865W or above / 1.5kVA
Outlets / Sockets	Minimum 4 numbers of battery backup output connections Sockets (Type: India 3-pin 6A) & 2 numbers of Surge Protection Socket (Type: India 3-pin 6A)
Cabling Provision	Min 2x 1-inch holes for cable connectivity
Input Power Connection Type	India 3-pin 6A or 16A
Battery	Minimum 2 number of 12V / 9AH Sealed Lead-Acid in-built Battery

	Interfaces	RJ45 Communication Interface
		Surge Protected outlets, LCD Graphics Display with Control
	Features	Console, Automatic Voltage Regulation, Automatic Self-test,
		Battery failure notification, Battery replacement without tools,
		Hot-swappable batteries, Audible Alarm Feature, Intelligent
		Battery Management, Generator Compatibility, Circuit Breaker
	G II	Reset Switch.
	Compliance	Quoted UPS should have BIS Compliance
	Supply package includes	Required input utility Power Cable, RJ45-USB/RS232 Communication Cable.
	Warranty	Min 24 Months comprehensive On-Site Warranty (including battery)
10.	Name of the Equipment / Goods	UPS 1000VA
	Make / Model	
	Topology	Line Interactive
	Output Power Capacity	Minimum 650W or above / 1kVA
		Minimum 3 numbers of battery backup output connections
	Outlets / Sockets	Sockets (Type: India 3-pin 6A) & 1 number of Surge
		Protection Socket (Type: India 3-pin 6A)
	Input Power Connection Type	India 3-pin 6A or 16A
	Battery	Minimum 2 number of 12V / 7AH Sealed Lead-Acid in-built
	Buttery	Battery
	Features	Surge-protected outlets, Automatic Voltage Regulation, Automatic Self-test, Battery failure notification, Audible Alarm Feature, Intelligent Battery Management, Generator Compatibility, Circuit Breaker Reset Switch.
	Compliance	Quoted UPS should have BIS Compliance
	Supply package includes	Required input utility Power Cable
	Warranty	Min 24 Months comprehensive On-Site Warranty (including battery)
11.	Name of the Equipment / Goods	9U Wall Mount Network Rack
	Make / Model	
	Rack	Height 9U Wall Mount Rack Cabinet [Two Sections] – Glass Door trims powder coated, (Width: 550mm, Depth: 600mm & depth of the rack should not be compromised), AC Power Distribution (5 Nos of 6 Amps socket), front panel mounting hardware.
	Warranty	Min 36 Months comprehensive On-Site Warranty

12.	Name of the Equipment / Goods	43-inch 4K UHD Display		
	Video			
	Display Panel Type	QLED		
	Screen Size	Min 43 inch		
	Bezel Type	Should have 3 sides Bezel-less design		
	Resolution	Min 3840 x 2160		
	Refresh Rate	Min 60Hz		
	Colour	Min One Billion		
	HDR	HDR 10 or Higher		
	Audio			
	Sound Output	Min 20W		
	Speaker Type	Min 2 Channel		
	Surround Feature	Dolby Digital or Equivalent		
	Bluetooth Audio Playback	2 Way Playback		
	Smart Features			
	Operating System	Min Google TV / Android 9.0 or the latest		
	Voice Assistance Support	Google Assistant Alexa		
	Features	Casting, Mirroring		
	Connectivity			
	Ports	Min 3x HDMI (Min 1x HDMI ARC) Min 2x USB Min 1x Ethernet RJ45		
		Min 1x Digital Audio outport		
	Connectivity	Wi-Fi Bluetooth		
	IP Support	Should support both IPv4, IPv6		
	Power Consumption	Max 170W		
		Wall Mount,		
	Accessories	Remote		
		Control,		
	XX	Standard accessories and Cables		
	Warranty (in months)	Min 24 months comprehensive On-Site Warranty		
13	Name of the Equipment / Goods	Waterproof PVC Square Junction Box for CCTV		
	Material	PVC		
	Connectivity Provision	4 Way Rubber Caps		
	Protection	Waterproof IP65		
		Min 36 Months		
	Warranty	IVIIII 30 IVIOIIIIIS		
14	Name of the Work	Installation of Indoor CCTV Camera with Casing- Caping and CAT6 cable laying – 1 Meter		
	Length	Minimum 1 Meter		
	Casing	1-inch ISI PVC		
		UTP CAT6 as per EIA / TIA CAT 6 channel performance		
	CAT 6 Cable	{Solid Cable Cat 6, 4 pair, 23 AWG LSZH ETL tested up to 700 MHz UTP} Enclose ETL tested Certificate		
	Installation covers drilling, mounting, clamp/s Installation covers crimping, drilling, mounting	screw fixing the Casing and Capping. ng, screws, clamps, RJ45 Connector and accessories.		

15	Name of the Work	Installation of Indoor CCTV Camera with CAT6 cable laying – 1 Meter	
	Length	Minimum 1 Meter	
	CAT 6 Cable	UTP CAT6 as per EIA / TIA CAT 6 channel performance	
	CAT o Cable	{Solid Cable Cat 6, 4 pair, 23 AWG LSZH ETL tested up to 700 MHz UTP} Enclose ETL tested Certificate	
	Should Lay the cable from the network rack t	to CCTV's proposed location.	
	Installation covers crimping, drilling, mounti	ng, screws, clamps, RJ45 Connector and accessories.	
16	Name of the Work	Installation of Wall Mount Network Rack	
	Should Install the Racks at the proposed loca	tion.	
	Installation covers drilling, mounting, and fix	xing the Rack.	
17	Name of the Work	Installation of Network Video Recorder and PoE Switch	
	Should Install and Configure Network Video Recorder and PoE Switch at the proposed location. Installation covers IP Address Configuration, HDD Storage Installation, and PoE Switch Configuration with uplink and cameras.		
Insta	allation Required	YES	
War	ranty (in months)	warranty details enclosed in Annexure	
AMO	Required	No	
Deli	very Period (Weeks)	4 -8 weeks	
Shipment Terms		Up to NIT, Tiruchirappalli	
EMD		Rs. 14,000 /-	
Payı	ment Term	100% payment after satisfactory delivery / Installation	
Perf	ormance Security	3%	

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.

Part-3 Contract

Section VII General Conditions of Contract Table of Clauses

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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.	
	С	"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.	
	1	"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.	
	О	"The Project Site," where applicable, means the place named in the SCC.	

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2		ract Documents:	
		ct 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,	
		autually explanatory. The Contract Agreement shall be read as a whole.	
3		upt and Fraudulent Practices:	
		institute requires compliance with its policy against the corrupt and fraudulent	
	-	ces as set forth Section- V The Purchaser requires the Supplier to disclose any	
		dissions or fees that may have been paid or are to be paid to agents or any other party	
		respect to the bidding process or execution of the Contract. The information	
		sed must include the name and address of the agent or other party, the amount and	
4		acy, and the purpose of the commission, gratuity or fee.	
4	_	oretation The Contract of the action of the Property of the	
	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	
	4.2	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	
	4.3	authorized representative of each party thereto. Non waiver	
	4.3		
		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	
		without the prior consent of the Purchaser.	

7	7.1	Eligibility:
′	/.1	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
4		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
4.4		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
		Contract unless they otherwise agree; and
		b the Purchaser shall pay any amount due to the Supplier.

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12		Scope of Supply
		The Goods and Related Services to be supplied shall be as specified in the
12		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
1.4		other documents to be furnished by the Supplier are specified in the SCC.
14		Suppliers Responsibilities The Supplier shall supply all the Coods and Beletad Samiless included in the Soons
		The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with CCC Clayer 12, and the Delivery and Completion
		of Supply in accordance with GCC Clause 12, and the Delivery and Completion
15		Schedule, as per GCC Clause 13. Contract Price
15		
		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
10	10.1	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, HIGH-END AIO COMPUTERSs, 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
	162	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
	16.4	Purchaser has accepted it The currencies in which payment shall be made to the supplier under this contract
	10.4	shall be Indian currency unless otherwise agreed.
17	17.1	Taxes and Duties
1'	1/.1	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
	- 7 - 2	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
		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
20	20.1	materials shall remain vested in such third party.
20	20.1	Confidential Information The Dynamore and the Symplica shall been confidential and shall not without the
		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
<u> </u>		party; or
		c otherwise lawfully becomes available to that party from a third party that has
	20.4	no obligation of confidentiality. The above provisions of GCC Clause 20 shall not in any way modify any
	20.4	The above provisions of GCC Clause 20 shall not in any way modify any
		undertaking of confidentiality given by either of the parties hereto prior to the date
	20.5	of the Contract in respect of the Supply or any part thereof. The provisions of GCC Clause 20 shall survive completion or termination, for
	20.3	whatever reason, of the Contract.
		mand for roughly of the Contract.
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21	21.1	Subcontracting	
41	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 and 7.	
22	22.2	Specifications and Standards	
	22.2	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	
25	25.1	specified in the SCC. Transportation and Incidental Sources	
25	23.1	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:	
		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;	
	L	appropriate time 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	
	20.3	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	
	20.5	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
	20.0	test and/or inspection.
	26.7	The Purchaser may reject any Goods or any part thereof that fail to pass any test
	20.7	i the runehaser may reject any boods or any part increor that ran to pass any test i
i		, , , , , , , , , , , , , , , , , , , ,
		and/or inspection or do not conform to the specifications. The Supplier, if
		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
		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
		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
27		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		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. Liquidated Damages
27		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. Liquidated Damages Except as provided under GCC Clause 32, if the Supplier fails to deliver any or
27		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. Liquidated Damages

		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
		enclosed in annexure 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
L		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
20	20.1	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
	29.2	out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall
		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,
	•	

		and the section of th	
	20.2	quarantine restrictions, and freight embargoes. If a Force Majoure situation origins, the Symplion shall promptly notify the Dyrchesor.	
	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	
		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,	
	30.3	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	
	51.1	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	
	32.1	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	
		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.	
		Supplier shall continue performance of the contract to the extent not terminated.	

	33.2	Termination for Insolvency		
		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		
36		mismatch between figure and word, the amount in word shall prevail. If any arithmetic mistake in total/GST calculation is observed, the same shall be corrected by the graphes are with an initiated to bidden.		
37		by the purchaser with an initimation to bidder. 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.		
		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 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.		
39		"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% iii) Non –local supplier – has local content less than or equal to 20%		
		Verification of Local Content: The Class I Local Supplier /Class II Local Supplier/Non-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 local and Class-II local suppliers 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. 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 40 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. Bids without quoting GST(unless exempted) will be considered as disqualified, unless 41

specified in the tender document to quote only the basic price.

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	SCC		
Clause Ref. No.			
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.PRAKASH R,		
	ASST. PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING		
GCC 1.1 (j)	The Project Site(s)/Final Destination(s) is/are: DEPARTMENT OF MECHANICAL ENGINEERING, NIT		
	TIRUCHIRAPPALLI.		
GCC 5.1	The language shall be: English		
GCC 8.1	For notices, the Purchaser's address shall be:		
	Attention : DR.PRAKASH R, ASST. PROFESSOR		
	Street Address : DEPARTMENT OF MECHANICAL ENGINEERING Floor/ Room number : -		
	City : TIRUCHIRAPPALLI		
	ZIP Code : 620015		
	Country : India		
	Phone : 94448 10545		
	Electronic mail address: rprakash@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,		
, in the second	(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:		

	D 4 C C 1 1 1 1	
	Payment for Goods supplied from abroad:	
	Payment of foreign currency portion shall be made in Indian Rupees in the	
	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	
GCC 10.5	± '	
	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	
000 2012	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	
00000	faced by the user.	
GCC 26.2	The Inspections and tests shall be conducted at the Department where the	
0000	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 enclosed in annexure from date of acceptance/ satisfactory installation of the equipment. 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

Part-4 Bidding Forms & Contract Forms

Section IX : Bidding Forms

Table of Forms

Annexure-A	Tender Form (Techno commercial un-priced Bid)
Annexure- B	Tender Form (Price Bid)
Annexure- C	Minimum Local Content Declaration form as per MII norms
Annexure- D	Land Border Declaration certificate
Annexure- E	Bidder Information Form
Annexure- F	Manufacturer's Authorization
Annexure- G	EMD Returning Form
Annexure- H	Mandate Form for Electronic Fund Transfer/RTGS Transfer

Annexure-A

TenderForm

Tender No.

To

(Techno commercial un-priced Bid)

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

	The
Dea	r Sir,
1.	I/We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions toBidders;
2.	I/We meet the eligibility requirements and have no conflict of interest;
3.	I/We have not been suspended nor declared ineligible inIndia;
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(Rupeesonly) as Earnest Money is enclosed. The Draft is drawn onBank 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.

- (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 ordersuppliers.
- (h) Statement of deviations from financial terms & conditions, ifany.
- (i) Any other enclosure. (Please givedetails)
- 10. We undertake to execute all orders which have been placed to meet emergent requirements on priority basis.
- 11. Certified that the bidderis:
 - (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 biddocument).

- 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.

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 Ceriticate			
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 vent	ture 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.:			

Company seal

Annexure-B

Tender Form

(Priced Bid)

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

То		
The	<u> </u>	
Ref: Tender No	Dated:	7,0

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 enclose herewith the complete Financial Bid as required by you. This includes:
 - a. Price Schedule (Bill ofQuantity-BOQ).
 - b. Statement of deviations from financial terms and conditions.
- 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 have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract:[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commissionor gratuity]

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

7. 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

8. 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,

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 dayof	
Details of enclosures	
Full Address:	
Telephone No.	
Mobile No.:	
E-mail:	

Company Seal

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:
In line with Government Public Procurement Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and ts 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 gainst Tender No
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 Sea

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).

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)"

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.]

Dat	e : [insert date (as day, month and year) of Bid Submission]
AD	VT. No. : [insert number of bidding process]
Alte	ernative No.: [insert identification No if this is a Bid for an alternative]
	Pageofpages
-	
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's Address]
	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 the Purchaser
2.	Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

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 the Contract.

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]

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 submitted for the Tender / Quotation.

Sir / Madam,

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

Tender / Quotation Reference No	
EMD amount	
DD Number	
DD issued Bank	
Date of DD	

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	
IFSC code	
Bank	

Signature with Seal and Date

ANNEXURE- H

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

То								Dat	e:	/	/			
Natio	Director, onal Institute of chirappalli – 62													
Sub	: Authorizat		se of paymen Electronic F								of 7	Гесh	nolo	gy,
	lame of the Pa	-	Company / I	Institute	Э	:								
2. <i>P</i>	ddress of the	Party				:								
3. C	City		_Pin Code_											
4. E	-Mail	Mobile No	o: <u></u>			_								
5. F	ermanent Acc	count Numb	er											
	articulars of E			\										
0		zariit.												
Γ	Bank Name:			Branc	h Na	me:								
	PIN Code:			Branc										
				Branc	псо	ue.					I	Г		
	IFS Code:(11 d	ligit alpha nu	meric code)											
	Account Type	Saving	gs	Cu	rrent	-			C	ash	Cred	lit		
	Account Numb	er:												
			55014	D.4.TI.O.1										
I her	eby declare tha	t the particul		RATION		ect a	nd a	comr	olet	e. If	anv	, trar	isact	ion
delay	ed and not eff	ected for rea	sons of incon	nplete o	or in	corr	ect i	nfor	mat	tion	I sh	all n	ot h	old
	ctor, National													
	se any change ose of credit of						allita	ite u	pda	ıtıng	of	reco	ords	tor
Pla	ace:	Da	te: _											

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	

Tender Acceptance Letter

(To be given on Company Letter Head)

						Date:	
			_				
			_				
			_				
			_				
Sub: A	cceptance of Te	rms & Con	ditions of T	ender.		7	
Tender	Reference No.	:					
Name	of Tender / Wor	k:				OX	
Dear S	Sir,						
1.	I/We hav			amely:	der documer	nt(s) for the al	bove mentioned
	Tenden Work	mom me w	reo site(s) ii	uniciy.			
	as per you	r advertisen	nent, given	in the above me	entioned webs	ite(s).	
2.	I/We herel	by certify th	nat I/We ha	ve read the enti	re terms and	conditions of the t	ender documents
	from PageNo			to_		(including all	documents like
	section(s), sche	edules(s) etc	e.), which f	form part of the	contract agree	eement and I/we s	hall abide hereby
	by the terms/co	onditions/ cl	lauses conta	nined therein.			
3.	The corrig	gendum(s) i	issued from	time to time	by your depar	rtment/ organisati	on too have also
	been taken into	considerat	ion, while s	ubmitting this a	acceptance let	ter.	
4.	I/We here	eby uncon	ditionally	accept the te	nder condition	ons of above m	nentioned tender
	document(s)/ c	orrigendum	ı(s) in itstot	ality/entirety.			
5.	In case any	y provision	s of this ter	nder are found	violated, then	your department/o	organisation shall
	without prejud	ice to any	other right	or remedy be	at liberty to 1	reject this tender/l	oid including the
	forfeiture of the	e full said e	arnest mon	ey deposit abso	lutely.		
	Yours Faithfu	lly,					
	(Signature	of	the	Bidder,	with	Official	SeaL

Help Page to Web load the documents in E-Tender Portal For Cover Wise Uploading The Tender Documents

AFTER LOGGING IN TO THE BIDDER'S LOGIN

COVER WISE TO BE UPLOADED DOCUMENTS

Description

Scanned Copy of Bid Security

Remarks

EMD Amount specified

Document Type

Cover No Cover Type

1	Fee	.pdf	in the form of DD/BG/Exemption Certificate (MSME/NSIC)	in the Tender Document
2	Fee	.pdf	EMD Returning Form and Mandate Form for Electronic Fund Transfer/RTGS Transfer	ANNEXURE- G and H
COV	VER - 2	1		
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. Organisations.
		.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	Manufacturer's 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	Audited Balance sheet of the firm for the last

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COVED

COV	ER-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
COV	ER - 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	воо	Duly filled in Price Bid Excel file in 97-2003 format
	w	.pdf	Scanned copy of item wise breakup of price bid	Item wise breakup of price bid in PDF (duly signed)