



NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI - 620 015

DEPARTMENT OF PHYSICS

NOTICE INVITING QUOTATION

File No.	NITT/F.NO.094/CAPEX(OH-35)/2024-25/PHY	Date:	30-01-2025
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To

(Supplier Address)

Sealed quotations are invited from reputed Authorized Dealers / manufacturers for the supply of the Items.

Name of the Item	:	SURVEILLANCE CAMERA NETWORK
Quantity Required	:	As per Technical Specification
Specification	:	(As per enclosed Schedule Annexure – I)
1. Quotation Reference No.	:	NITT/F.NO.094/CAPEX(OH-35)/2024-25/PHY
2. Last date and Time for receipt of quotation	:	20-02-2025 before 12.00 PM
3. Date & Time of opening of Quotation	:	20-02-2025 at 02.00 PM
4. EMD Amount	:	Rs.2,800/-
5. Validity (Days)	:	90 Days
6. Address to which quotations are to be sent	:	The Director, National Institute of Technology, Tiruchirappalli – 620 015, Tamil Nadu, India
Kind attention to	:	Shri. S. Saravanan
Phone	:	0431 250 3600
E-mail	:	ssara@nitt.edu

1. Quotations should be submitted in the format given in Annexure – I and Annexure-II
2. The envelope should contain the following details:

“QUOTATION AGAINST ENQUIRY” (SURVEILLANCE CAMERA NETWORK) NITT/F.NO.094/CAPEX(OH-35)/2024-25/PHY Kind attention to: Purchase Initiator: Shri. S. Saravanan, Technical Assistant SG-II Department: PHYSICS Last date and Time for receipt of quotation : 20-02-2025 before 12.00 PM
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Earnest Money Deposit (EMD)	
<p>1. Earnest Money Deposit (EMD) is to be submitted through SBI collect link as below. The bids submitted without EMD will be treated as non-responsive and will be rejected. EMD shall bear no interest.</p> <p>2. Bidder must fill the EMD returning Form (Annexure-III) and submit along with the quotation.</p> <p>3. EMD will be returned to the unsuccessful Bidder(s) as per the purchase norms.</p> <p>4. The EMD shall be forfeited if any Bidder withdraws the offer before finalization of the tender.</p> <p>5. UDYAM & NSIC registered Micro & small enterprises are exempted from paying EMD amount as per Govt. norms (proof to be attached). For availing EMD exemption, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. In respect of bid for Services, the bidder must be the Service provider of the offered services. Traders/Distributors/agents are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises.</p>	
EMD amount	Rs.2,800/-
SBI Collect Link mode (Payment Category- NITT Tender- Earnest Money Deposit).	https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=1768557
The bidder must enclose SBI collect receipt along with the quotations, failing which the bid shall be rejected without any further communication.	

Terms and Conditions:

1.	The quotation must be in the format furnished by NIT Tiruchirappalli and should be free from corrections/erasures. In case there is any unavoidable correction it should be properly attested. If not, the quotation will not be considered. Quotation written in pencil and incomplete will be rejected.
2.	You are invited to submit your most competitive quotation for the supply of goods according to the specifications and delivery terms as given.
3.	The Bidders have to submit manufacturers authorization Letter from OEM along with the quotation, otherwise offer will not be considered, the same will be rejected.
4.	Bidders may send the quotations in sealed covers with the quotation reference number and last date for receipt of quotations duly superscribed on the cover. Mention the company Contact Number / E-mail id on the cover.
5.	Quotation will be opened on due date at 20-02-2025 at 02.00 PM at the Store and Purchase Section, NIT, Tiruchirappalli in presence of the tenderers or their representatives who may wish to be present. (Any change in the date, time and venue of the quotation opening will be informed to the bidders through telephone / E-mail)
6.	The National Institute of Technology, Tiruchirappalli reserves the right to accept or reject any quotations, and to cancel the bidding process, and reject



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	all quotations at any time prior to the award of order without assigning any specific reason thereof.
7.	Manufacturer's name and country of origin of materials offered must be clearly specified. Printed brochures, Purchase preference is only for Micro & Small enterprises (MSE's) register in UDYAM Portal or NSIC as per Ministries policy for MSE's . Proof to be attached
8.	All supplies are subject to inspection and approval before acceptance. Manufacturer / supplier warranty certificates and manufacturer / Government approved lab test certificate shall be furnished along with the supply, wherever applicable
9.	National Institute of Technology, Tiruchirappalli reserves the right to modify the quantity specified in this enquiry.
10.	Startup company exempted from prior turnover & prior experience (startup certificate registered with DIPP should be enclosed)
11.	The bidder has to submit the bids in sealed envelope, (separate for each tender). Further Bidder should not send clubbing many tenders in one envelope, in such case all the bids will be rejected.
12.	Bid Price a. The contract shall be for the full quantity Bidders must quote for entire quantity. Each bidder shall submit only one quotation in Indian Rupee only. b. Post work orders & completion certificate should be submitted, wherever applicable. c. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. d. GST, packing, forwarding and delivering other allied items at the destination shall be included in the price. All such price components may be shown in the quotation. If there is no indication regarding above charges. It will be considered as inclusive of all charges. e. If any arithmetic mistake in total / GST calculation is observed, the same shall be corrected by the purchaser with an intimation to bidder f. In case the items in the enquiry are covered by any rate contract or any other state or central Government, it should be specified in your quotation and accepted contract rates should also be mentioned. It should be confirmed whether you could supply at the RC rates outside rate contract g. Quotations containing conditions like "subject to prior sale" may not be considered. h. Delivery period required for supplying the material should be invariably specified in the quotation i. Bids without quoting GST (unless exempted) will be treated as invalid & disqualified. j. If there is a discrepancy between unit price and total price, the unit price will be considered. If there is any mismatch between figure and word, the amount in word shall prevail.
13.	Evaluation of quotations: Quotations will be evaluated item wise or lump sum basis. The purchase committee will evaluate and compare the quotations determined to be substantially responsive i.e. (i) are properly signed; (ii) Conform to the terms & conditions and specifications; and (iii) price offered are competitive.
14.	Award of contract a. The National Institute of Technology, Tiruchirappalli will award the Order for supply of Goods / Services to the bidder whose quotation has been determined to be substantially responsive, and who has offered the lowest evaluated quotation price.



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	<p>b. The Bidder should furnish the contract agreement and performance security within 15 days from the date of receipt of the order for supply of goods / services, failing which the order will be cancelled without further notice and awarded to next eligible bidder.</p> <p>c. Notwithstanding the above, National Institute of Technology, Tiruchirappalli reserves the right to accept or reject any quotations, and to cancel the bidding process, and reject all quotations at any time prior to the award of order without assigning any specific reason thereof.</p> <p>d. National Institute of Technology, Tiruchirappalli, prior to the expiration of the quotation validity period, will notify the bidder whose bid is accepted for the award of contract. The terms of accepted offer shall be incorporated in the purchase order.</p>
15.	Warranty: As per Item Technical Specification
16.	Performance Security: Security deposit should be 3% of purchase order value in case of Performance Bank Guarantee should be valid for 60 days beyond the guarantee & warranty. The successful bidder need to submit performance security (<u>As mentioned in Annexure –I</u>) of purchase order value either in the form of bank guarantee or crossed demand draft drawn on any Nationalized bank in India in favor of “The Director, NIT, Tiruchirappalli” payable at Trichy. The bank guarantee / Demand Draft will be returned to the supplier after 60 days from date of successful completion of supply, installation, and the warranty period.
17.	Payment: 100% will be paid after Installation and satisfactory working/date of completion of service if the documents are in order. The bill should be raised in favor of “The Director, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India.” with institute GST No. 33AAATN5491Q1ZZ.No advance will be provided to the supplier and installer.
18.	Liquidity damages If the bidder / supplier, after accepting the Purchase Order or supply of Goods / Services, fails to deliver any or all of the Goods or to perform Services within the period(s) specified in the Order, The National Institute of Technology, Tiruchirappalli shall impose penalty without assigning any reasons to the bidder / supplier a sum equivalent to 0.50 % of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5% of the agreed price. Once the maximum is reached The National Institute of Technology, Tiruchirappalli, may proceed on its own to consider the termination / cancellation of the Order and may inform the bidder about the cancellation of the said purchase order. unless extension is obtained in writing from the office / Department on valid ground before expiry of delivery period
19.	If the deliveries are not maintained and due to that account Procuring Entity is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier
20.	Dispute clause: Any dispute relating to the Enquiring /Tender of the indented item shall be under the Hon’ble Court having its jurisdiction over Tiruchirappalli only
21.	Startup company exempted from Prior Turnover & Prior Experience (Startup certificate registered with DIPP should be enclosed)
22.	GST as applicable



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| 23. | 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. Performance Bank guarantee should be valid for 60 days beyond the guarantee & warranty and EMD shall be valid for 45 days beyond bid validity period. |
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ACCEPTANCE BY THE BIDDER

I/We hereby certify that I/We shall abide hereby the terms and conditions and the Annexures of this limited quotation.

Signature & Seal of Vendor with Date

For any details / clarifications regarding could be obtained from Stores and Purchase Section on all working days during 10 AM to 5 PM.

For further detail related to Technical specifications kindly contact **Shri. S. Saravanan** (Purchase initiator), **Technical Assistant SG-II, PHYSICS, ssara@nitt.edu, 0431 250 3600.**

(NB: Mention the Contact Number / E-mail on the cover. Any change in the date, time and venue of the tender opening will be informed to the bidders through telephone / E-mail)

Enclosures: 1) Specifications of the equipment	Annexure – I
2) Price Format	Annexure - II
3) EMD Return Format	Annexure – III
4) Bank Mandate Form	Annexure – IV



Specifications of the Equipment

Ref: NITT/F.NO.094/CAPEX(OH-35)/2024-25/PHY

Date: 30-01-2025

S.No.	Name of the Item / Goods	Unit
1	IP Camera	6 Nos
2	8 channel NVR	1 No
3	HDD	1 No
4	8 port POE Switch	1 No
5	UPS	1 No
6	DVR rack	1 No
7	Jack	20 Nos
8	Power extension Box	10 Nos
9	Camera box	6 Nos
10	Casing	305 m
11	D link CAT 6 cable	305 m

Detailed Specifications are given below.



Technical Specifications of individual items

S. No	Specification of NIT-T	Specification of the Supplier
1	Name of the Equipment / Goods	IP Camera (6 Nos)
	Make / Model	
	Image Sensor	1/3" 4MP Progressive Scan CMOS or higher
	Illumination	Colour 0.003 Lux @ F1.4-2.0 range 0 Lux IR on
	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
	Settings / Functions	Anti-flicker, Mirror, Privacy mask, Pixel counter,



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		Rotate mode, Saturation, Brightness, Contrast, 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	
	On-Board Storage	Built-in memory card slot	
	Power Supply	DC: 12V 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	
2	Name of the Equipment / Goods	8 channel NVR (1 No)	
	Make / Model		
	IP video input	8-Channel	
	Camera MP Compatibility	8MP, 6MP, 5MP, 4MP, 3MP, 1080P or Higher	
	Camera Types Compatibility	People counting camera	



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		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 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	
	Network protocol	TCP/IP, IPv4, IPv6, DNS, DHCP, DDNS,	



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		NTP, RTSP, SMTP, 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	
	Alarm	Min 4-Ch Alarm In 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	
3	Name of the Equipment / Goods	HDD (1 No)	
	Make / Model		
	Capacity	8 TB	
	Type	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 245 MB/s	
	Cache	Min 256 MB	
	Load/Unload Cycles	Min 600,000	
	Workload Rate	Min 550 TB/year	
	MTBF	Min 2,000,000 hours	



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	Warranty	Min 60 Months comprehensive On-Site Warranty	
4	Name of the Equipment / Goods	8 port POE Switch (1 No)	
	Make / Model		
	Interfaces	Min 8x 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) Min 1x Gigabit SFP Slot	
	PoE Ports	Min 4x PoE RJ45 Ports	
	PoE Power	Min 110W	
	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	
	Port Surge Protection	Min 5 KV surge protection	
	Power supply	DC Power Adaptor	
	Accessories	Cables and Standard Accessories	
	Warranty	Min 36 Months comprehensive On-Site Warranty	
5	Name of the Equipment / Goods	UPS (1 No)	
	Make / Model		
	Topology	Line Interactive	
	Output Power Capacity	Minimum 865W or above / 1.5kVA	



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	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	
	Features	Surge Protected outlets, LCD Graphics Display with Control Console, Automatic Voltage Regulation, Automatic Self-test, Battery failure notification, Battery replacement without tools,	
	Regulatory / Certifications	BIS	
	Accessories	Cables and Standard Accessories	
	Warranty	Min 36 Months comprehensive On-Site Warranty	
6	Name of the Equipment / Goods	DVR rack (1 No)	
	Make / Model		



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	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	
7	Jack	RJ 45 (20 Nos)	
8	Power extension Box (10 Nos)		
9	Name of the Equipment / Goods	Camera box (6 Nos)	
	Make / Model		
	Material	PVC	
	Connectivity Provision	4 Way Rubber Caps	
	Protection	Waterproof IP65	
	Warranty	Min 36 Months	
10	Casing (305 m)	1-inch ISI PVC	
11	D link CAT 6 cable (305 m)	UTP CAT6 as per EIA / TIA CAT 6 channel performance {Solid Cable Cat 6, 4 pair, 23 AWG LSZH ETL tested up to 700 MHz UTP} Enclose ETL tested Certificate	

The Bidder should submit item wise price breakup in financial bid.



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S.No	Other requirements related to the equipment	NITT Requirement	Supplier commitment
1.	Installation required	Yes	
2.	Warranty (in Month)	As per item technical specification	
3.	Comprehensive AMC required	No	
4.	Delivery Period (Weeks)	2 Weeks	
5.		Shipment terms	At NIT-T
6.		Performance Security in %	3%
7.		Payment Terms	100% Payment after satisfactory delivery/Installation
8.		EMD Amount (2 to 5)%	Rs.2,800/-

Signature & Seal of Vendor with Date

Note:

Specification of the Supplier should be given in detail, single word confirmation like Complied / No / same will be treated as non - responsive Bid and summarily rejected.

Proof for the supplier's specification must be enclosed along with the quotations. (catalogue, brochure, and product website link if any)



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Annexure- II

PRICE BID FORMAT FOR BIDDERS

Quotation reference No. & Date : NITT/F.NO.094/CAPEX(OH-35)/2024-25/PHY

Bidder's Offer No. & Date :

S. No.	Description of item	Unit (Set / No)	QTY	Rate / Qty in Rs. (excluding GST)	GST in Rs.			Total Value + GST in Rs.
					SGST	CGST	IGST	
1.	Supply and installation of SURVEILLANCE CAMERA NETWORK (The price indicated shall be inclusive of all items, accessories, spares, transportation, FOR at NIT Tiruchirappalli etc.)	<u>1</u> <u>AU</u>	<u>As per technical specification</u>					
2.	Total price							
3.	Value of Annual Maintenance Contract							
4.	Net cost to be paid by NIT-T							

Signature & Seal of Vendor

Note- 1: Individual item-wise break-up price shall be attached as an annexure to this price bid format.

Note-2: The price quoted should be in Typed format only as per the above form. Hand written quotes will be rejected. If this format is not used or any column is left blank, then the bid will be rejected. AMC Value will not consider for arriving L1 bidder.



(TO BE PRINTED IN LETTER PAD OF THE FIRM)

EMD Returning Form

To
The Director
National Institute of Technology,
Tiruchirappalli – 620 015

Sub: Returning EMD amount

Sir / Madam,

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

Tender / Quotation Reference No	
EMD amount	
Transaction Number	
Transaction Date	

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

Account Name	
Bank Account Number	
IFSC code	
Bank	

Signature with Seal and Date



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(TO BE PRINTED IN LETTER PAD OF THE FIRM)

Annexure – IV

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date: / /

To

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

Sub	:	Authorization for release of payment / dues from National Institute of Technology, Tiruchirappalli through Electronic Fund Transfer/RTGS Transfer.
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1. Name of the Party / Firm / Company / Institute :
2. Address of the Party :
3. City _____ Pin Code _____
4. E-Mail _____ Mobile No: _____
5. Permanent Account Number _____
6. Particulars of Bank:

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

DECLARATION

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

Place: _____ Date: _____

Signature & Seal of the Authorized Signatory of the Party