



Tender for
“Purchase of Webcasting Equipment for all Police
Ranges, Commissionerates and Headquarters”

Office of the
Inspector General of Police, (I/C DIG-TS)
Technical Services, DGP Office complex,
Kamarajar Salai,
Chennai - 600 004.

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TENDER NO:
I. Top Sheet

TWO - BID SYSTEM

1. Tender Notice No : C. No: L1/MPF/PTB/12276/2020 Dt. 18.03.2022 of IGP-TS i/c DIG-TS
2. Cost of the Tender Document for each item : Free, if it is downloaded from the website **www.tenders.tn.gov.in**
Hard copy of tender document is Rs.500/- + Applicable GST.
[Additional Rs.75 /- for postage]
3. Name of the Item : "Tender for **Purchase, Installation and Commissioning of Webcasting Equipment for all Police Ranges, Commissionerates and Headquarters.**"
4. Earnest money deposit : Rs.1,90,000/- (Rupees One Lakh and Ninety Thousand only)
5. Last date and time for submission of tender : 19/04/2022 on or before 2.00 P.M
6. Date and time of Opening : 19/04/2022, 4.00 P.M @ Office of Inspector General of Police, Technical Services, Mylapore, Chennai – 600 004.
7. Name and address of the party to whom tender document sold : (To be specified by the bidder)
8. Enclosure: : Specifications of the article / equipment is furnished as per schedules mentioned in the tender document.

**TENDER INVITING
AUTHORITY**

**SIGNATURE OF THE TENDERER/S
WITH DATE & SEAL**

SIGNATURE OF THE TENDERER WITH DATE & SEAL

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Important Notice

Applicability of Tamil Nadu Transparency in Tenders Act 1998

This Tender process is governed by the Tamil Nadu Transparency in Tenders Act 1998 and The Tamil Nadu Transparency in Tenders Rules as amended from time to time.

Technical Services

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II. Preamble

**“Tender for purchase of webcasting equipment for all Police ranges,
Commissionerates and Headquarters**

- 1) The Government has approved to purchase Webcasting equipment for Tamil Nadu Police department. This project has envisaged to cover all Police ranges, Commissionerates across the state and Headquarters.
- 2) Police Department is being regularly engaged in law & order and bandhobust duties on day-to-day basis. It is always difficult to show the physical presence of Senior Officers in these bandhobust at all times. Further, Offices of the senior officers like DGP TN, ADGP L&O, Commissioners of Police, Zonal IGPs, Range DIGs and District SPs are physically situated in different geographic locations. Also some emergency bandhobusts may happen in remote areas (like Koodankulam nuclear protests at the sea, MullaiPeriyar Dam issue, etc.). Viewing live footage of CCTV system from these locations are not possible from different locations. To overcome the issue, the Police Department has proposed to purchase and install an exclusive Webcasting system for the department.
- 3) Webcasting is the process of live video broadcasting. This system uses live video transmitter over multiple bonded 3G/4G cellular networks. The captured video from the camera is encoded and transmitted over the 3G/4G networks to the decoding server located at headquarters.
- 4) The Headquarters in-turn, transmits the media over the internet through specified Protocol. The potential end users are able to view or listen the events on their system/mobile devices through Web Browsers.
- 5) Hence it is proposed to purchase Webcasting for Tamil Nadu Police department under this tender for selection of qualified bidder for execution of mentioned scope of work under this tender with three years of operation including warranty.
- 6) The bidder is fully responsible for the supply, installation, commissioning & maintenance as per mentioned items under this tender upto the satisfaction of the department and as per site requirement/conditions.

II. (A) General Instructions and method of evaluation

A. Preparation of Two Cover Tender

1) Technical Bid (Envelope-1)

- a) The original tender Document in full should be signed and stamped in each page as a token of acceptance of the Scope of Work and Terms and Conditions by the Authorized Signatory of the Tenderer and same should be submitted along with Technical Bid & the required EMD.
- b) The Technical Bid along with copies of the supporting documents to establish Pre-Qualification Criteria with other brochures / leaflets, Test certificates, other supporting documents etc. should be signed and stamped in each page by the Authorized Signatory of the Tenderer.
- c) Bid received without signature & stamp and relevant supporting documents is liable for rejection at the discretion of Tender Inviting Authority.
- d) Please verify the checklist given in the Technical Bid for the required documents and enclose the same.
- e) The bidder should submit Technical specification as specified in this tender along with specifying Make & Model for each items as prescribed in Schedule-IX. For each parameter of the specification laid down for each item, the details should be clearly specified based on your compliance and quote.
- f) Also the Technical Bid should not contain any price details or any sort of indications to interpret the price strictly. Otherwise the Bid will be summarily rejected.
- g) Technical Bid cover (Envelope-I) (containing EMD, signed Tender documents and signed Technical bid with signed copies of the supporting documents) should be super scribed as **“Technical Bid - Tender Ref No: C. No: L1/MPF/PTB/12276/2020 - Purchase of webcasting equipment for all Police ranges, Commissionerates and Headquarters”**.
- h) The “From Address” and “To Address” should be clearly written in the Technical Bid cover. If Bids received without the Addresses, the same will be rejected at the discretion of Tender Inviting Authority.

2) Price Bid (Envelope-2)

- a) The Price Bid should be prepared in the format as given in Schedule-XV of this Tender. The Price Bid should be filled, signed and stamped in each page by the Authorized Signatory of the Tenderer and should be sealed in a separate cover along with covering letter. The correction/overwriting shall be valid only if attested by the Authorized signatory of the Tenderer.
- b) Bids received without signature & stamp, required Forms with relevant supporting documents will be rejected by Tender Inviting Authority
- c) Price Bid cover should be super scribed as **“Price Bid for Tender Ref No: C. No: L1/MPF/PTB/12276/2020 - Purchase of webcasting equipment for all Police ranges, Commissionerates and Headquarters”**. The “From Address” and “To Address” should be clearly written in the cover. If a Bid is received without the Address, the same will be rejected at the discretion of Tender Inviting Authority.

3) Outer Cover

Both the Technical Bid cover (Envelope-1) and Price Bid cover (Envelope-2) should then be enclosed in an outer cover and same should be sealed. The Tender outer cover should be super scribed as Tender for **“Purchase of webcasting equipment for all Police ranges, Commissionerates and Headquarters”– “Tender Ref. No: L1/MPF/PTB/12276/2020.”**. The “From Address” and “To Address” should be clearly written in the cover. If a Bid is received without the Address, the same will be rejected at the discretion of Tender Inviting Authority.

B. Bid Preparation and Submission

- a) Pre-Bid meeting will be **held on 01.04.2022 at 11.30 AM at the office of the Inspector General of Police Technical Services, Chennai - 4**. The queries raised during pre-bid meeting will be clarified. Such queries should be submitted in written form to DIG-TS, Chennai-04 with required details, within 7 days from the date of pre-bid meeting conducted by the department. Anything received after this period will not be responded or not considered.
- b) The corrigendum / addendum will be published in the web-site, if required as a part of the tender document and it will not be intimated to participants. Hence, regularly bidder is required to watch updation details in the tender website.
- c) Bidders should examine all Instructions, Terms and Conditions and Technical specifications given in the Tender document. Failure to furnish information required by the tender or submission of Bids not substantially responsive or viable in every respect will be at the Bidders risk and may result in rejection of Bids. Bidders should strictly submit the Bid as specified in the Tender, failing which the bids will be considered as non-responsive and will be rejected.

C. Language

The Proposal should be filled by the Bidder in English language only. If supporting documents are in different language other than English, then the corresponding notarized English translation should be enclosed by the bidder.

D. Tender due date and time

The Bids should be submitted not later than the due date and time specified in the top sheet-I or if any Corrigendum published. The Tender outer cover and Technical Bid Cover (Envelope-1) will be opened on the due date and time as specified in top sheet-I in the presence of those Bidders, who choose to be present.

E. Tender Validity

- a) Bids submitted shall remain valid for a period of 180 days from the date of Tender opening of the technical bid. Any Bid which has a lesser validity will be rejected as non-responsive.
- b) The Successful Bidder should keep the Price firm during the period of Contract including the period of extension of time if any. Escalation of cost will not be permitted during the said periods or during any period while providing services whether extended or not for reasons other than increase in duties/taxes payable to the Governments in India / Tamil Nadu, within the stipulated delivery period.

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- c) In exceptional circumstances, Tender Inviting Authority may solicit the Bidders to extend the validity of the bid if required. The Bidder should extend price validity and Security Deposit validity accordingly.

F. Modification and withdrawal of Bids

- a) Bidder shall not make or cause to be made any alteration, erasure or obliteration to the text of the Tender document prepared by Tender Inviting Authority and submitted by the Bidders with or as part of their Tender.
- b) No bids may be modified by the Bidders after the deadline for submission of Tenders.
- c) Withdrawal of a bid during the interval between the due date for submission of Tenders and the expiring of the period of Tender validity specified in the Tender document shall result in the forfeiture of the Earnest Money Deposit as the case may be.

G. Scrutiny during Tender opening

During the Tender opening, the scrutiny will be held for (i) whether Tender is submitted in two covers (Envelope-1 Technical Bid along with EMD and Envelope-2 for Price Bid) and (ii) whether required EMD amount is furnished along with Technical bid. All Bids fulfilling the above conditions alone will be considered for further evaluation, otherwise the Bid will be rejected.

H. Right to Terminate the Process

The Department may terminate the tender process at any time and without assigning any reason. The Department makes no commitments, express or implied, that this process will result in a business transaction with anyone. This tender does not constitute an offer by the Tamil Nadu Police. The bidder's participation in this process may result in successful short listing of the bidder based on the Technical bid, Evaluation & Price bid process.

I. Summarily Rejection

The bids may summarily be rejected in the event of:

1. Non-submission of EMD.
2. Non submission of Bid as per all Schedules specified in this tender.
3. Non-compliance of Schedules III, IX&XI
4. Non-Compliance of quoted make & model produced at the time of technical evaluation.

J. Pre-Qualification Criteria:

Stage-wise evaluation will be carried out as stated below:

Stage –I: Pre-Qualification Bid Evaluation:-

(a). The Bids which comply against the following criteria only, will be taken up for technical Evaluation & further process. Otherwise bid is liable for rejection and no such communication will be initiated to the bidder:

Sl. No	Pre-Qualification Criteria	Documentary Proof to be submitted as mandatory requirement to participate in this tender	Page. Nos. (To be filled by the bidder)
1	The participating bidder must be a proprietorship firm or Partnership firm or Private Limited company or Public Limited Company. In case of Partnership firm, it must be registered under Partnership Act. In case of Private Limited Company or Public Limited Company, it must be registered under the Indian Companies Act, 1956 with latest amendments made in it.	(i) Copy of valid Certificate of Incorporation under respective act in India (ii) If any name change, then, such documents should be furnished along with it without fail.	
2	Consortium of Bidder: For this tender, consortium of bidder among the firms/companies is not allowed. Only one company/firm is allowed to participate in the tender.		
3	Submission of EMD / valid exemption certificate for the quoted items issued by Central / State Government authorized issuing authority. If MSME certificate enclosed for exemption, necessary registration with NSIC is also mandatory.	EMD to the tune of the amount as mentioned in the top sheet issued by notified bank in India or copy of valid exemption certificate for the specific quoted product/items.	
4	The participating bidder shall not be blacklisted by any of the State or Central Government agencies / Corporations/ Undertaking units etc.	Notarized Certification for the same should be submitted along with self-declaration document for the same in non-judicial stamp paper	
5	The participating bidder should register with Taxpaying authorities (Income Tax / Revenue) of the Central Government / State Government for delivering of services and selling of products etc.	(i) Copy of GST Registration Certificates / Documents with its numbers along with TAN / TIN registration details if any. (ii) Copy of PAN card available in the name of the company or authorized taxpaying authorities.	
6	The participating bidder should be in continuous business for minimum 3 years in Design, Supply, installation,	Copy of Purchase Orders for minimum 3 years (1 Purchase order per year)	

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	commissioning and maintenance of Webcasting system or in video streaming business (as of March 2021) in India.		
7	The bidder shall have a cumulative annual turnover of Rs 5 crore, on accounting of last 3 years.	(i) Copy of audited Balance Sheet and Profit & Loss account statement for the last three Audited financial years. i.e needs to submit documents for 2018-19; 2019-20; 2020-21.	
		(ii) Needs to attach income tax return details for the above said period.	
		(iii) Also Submit Form – 7 of Schedule XIII with details as required in this document.	
8	The participating bidder must be a profit making company on last three years without fail to meet all kind of financial requirements by having financial stability.	Copy of audited Balance Sheet and Profit & Loss account statement for the last three Audited financial years. i.e needs to submit documents for 2018-19; 2019-20; 2020-21 along with income Tax return details for required period	
9	The bidder shall have bank comfort letter and needs to submitted to participate in the bid	(i) Original letter issued by authority signatory of the company accounts dealing bank (As per Form-14 of this tender document)	
		(ii) Last six month transaction statement signed by the bank authority with date & seal.	
10	<p>The Bidder should have past <u>experience</u> of successful supply, installation and commissioning of</p> <p>a) Supply & installation of Webcasting system at least 1 site to any of the Government / Government Undertaking / PSUs / Government Institutions / Govt. Universities in last three years directly or indirectly with minimum six month of successful roll-out of such project/systems/supply is mandatory(or)</p> <p>b) Supply & installation of broadcasting services in at least 1 site (minimum of 5 field devices) in any of the visual media services.</p>	(i) Copy of the Purchase order / Work orders which shall clearly indicate the mentioned quantity of supply requirement	
		(ii) Copy of Contract agreement executed if any	
		(iii) Copy of installation report / delivery challan for the requirement projects/work orders	
		<p>(iv) Bidder is also need to submit "Performance Certificate/s" obtained from such client/end users <u>with minimum six month of operation after successful completion & roll-out of such project/supply</u> from the date of before publishing of this tender.</p> <p>This certificate/s should be issued only by the competent authority / HOD / Sole In charge of such organization or department. Need to clearly mention date of roll-out of the project in the letter without fail.</p> <p>Also, Project Completion Report is mandatory for any of the submitted projects, mere purchase order is not acceptable.</p>	

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11	The bidder should have a Corporate/ regional / Branch local sales & service support office in Chennai city.	(i) Copy of the rental/lease Agreement or property owned documents for such office must be submitted along with Telephone bills for last three months. Also submit Taxpaying receipts if applicable.	
		(ii) If such service centre / local office is not available @ Chennai, then same must be created within 15 days on receipt of Provisional Purchase order and signing of contract agreement. Also needs to submit the necessary rental/lease/property agreement should be submitted along with it.	
		(iii) For option (ii), the bidder, is required to submit undertaking letter without fail along with technical bid document.	
12	The participating bidder must be an authorized vendor / supplier for the proposed supply of items/products etc for this tender by OEM <u>Note:</u> Letters issued by direct dealer / sub-dealer / franchise will not be accepted and it is liable for rejection	'MAF' Letter issued by OEMs for participating in this tender (As per Form 12 of this Tender document).	
13	Device/Equipment credentials for supply & support	(a) OEM should extend all level of service & support during contact period (Form 12)	
		(b) Bidder also need to ensure that the entire product quoted is manufactured/assembled in the year of 2020 / 2021 with details about "end of life period" and needs to submit necessary documentary proof for the same issued by OEM. (As per MAF - Form 12)	
		(c) End of final support of quoted make & model should have minimum of at least 5 years from the date of publishing this tender. Otherwise, such product is liable for rejection along with bid.	

b) Important terms & conditions for pre-qualification:-

1. Pre-qualification is mandatory criteria in order to qualify next stages of evaluation and all criteria should needs to complied by bidder. Otherwise bid will be rejected directly without any notifications.
2. Evaluation will be carried out to the compliance against the pre-qualification criteria as mentioned above.
3. All the documentary proof shall be legible & readable otherwise the document will not be considered for evaluation

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4. No content in the documentary proofs should be scored/ shaded/ deleted/ erased otherwise the document will not be considered for evaluation
5. No new documents (other than those mentioned in the proposal) will be accepted for evaluation after opening of the Technical Bid. However any supporting historical documents for those already mentioned in the bid may be accepted.
6. If any of the mandatory documents as prescribed in above and required by the department are not provided it will liable for rejection of such bid at even after issue of provisional acceptance order or purchase order and if required, order will be placed to the next successful bidder on consideration and on obtaining of required documents as specified above
7. Further, the bidder is hereby informed to produce all relevant documents as mentioned in this tender document and wherever it is required without fail.

K. Technical Evaluation (Stage-II of evaluation process)

- I. Bidder needs to submit quoted make and model for evaluation. Change of quoted model under same make with higher specification and features may be accepted subject to the approval and submission of detailed comparison report.
- II. Change of originally quoted make will also be considered by given only one chance subject to providing of quoted item initially and item required for change must be better in specification and comparative on prices.
- III. Department reserves all rights on acceptance of the same subject to approval.
- IV. Bidders qualified in the pre-qualification criteria will be called for technical evaluation as required by the department. Bidders not qualifying the pre-qualification criteria will not be called for technical evaluation. No intimation of disqualification due to non-fulfillment of prequalification criteria will be issued.
- V. The Police Department will prepare a list of bidders based on the fulfillment of prequalification criteria and compliance of detailed Technical specifications and company profile furnished in tender. The tenderers who do not confirm to the technical specifications or tender conditions or tenderers without adequate capabilities for supply shall be straight away rejected. All eligible Tenderers will be considered for further evaluation on the merits. Tenderer should make arrangements to demonstrate the proposed webcasting setup with accessories based on the specification requirement of this tender as required by the department at Chief office or any of the suitable working sites. Necessary test procedure will be followed by the department to conduct evaluation. Date of demo cum evaluation will be intimated later. For evaluation conducted at other sites, bidder is required to provide all arrangements for the complete it along with required transport arrangements etc.
- VI. The following aspects will also be considered on merits for further evaluation and rights is fully reserved by the department only.
 - a) Technological advancement for better configuration.
 - b) Service facility during warranty supported with documentary proof.
 - c) Any increase of warranty period.

The company does not have any rights to claim or rise any questions in this matter.

L. Opening of Commercial Bid (Stage III of evaluation process)

The Technical bids of tenders, which are fully complied, correct and qualified in all respects all specification requirements, will be evaluated and those who qualify on the basis of technical bid will be informed the date and time of opening of their commercial bids. The commercial bids of the technically qualified tenderers alone will be opened. The decision of department shall be final in this regard.

Commercial Bid cover will be opened on the informed date in the presence of the bidders who qualified the technical evaluation or their authorized representatives who should bring a letter of authority from the tendering firms to establish their bonafides. The Schedule XV will be considered for commercial evaluation upon qualification of pre-qualification criteria & technical bid evaluation conducted by department.

M. Negotiations

Tamil Nadu Police department reserves the right to negotiate with the Successful Bidder before issue of Purchase order as below:

- I. On enhancing the Approach and Methodology, Bill of Material, Service level, Timeline, Warranty period, Delivery quality etc.,
- II. On optimizing the unit rates and solution overhead cost quoted in the Commercial Proposal.
- III. No changes, amendments which materially alter the tendered prices shall be permitted after the opening of the tender and necessary price negotiation will be conducted with qualified bidder before issue of purchase order.

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II. (B) Undertaking for the execution of the Project

(Needs to submitted by the bidder in the letterhead of the company)

To
The Governor of Tamil Nadu,

Represented by

The Deputy Inspector General of Police,
Technical Services,
DGP Office Complex, Kamarajar Salai,
Chennai-04.

I.....of M/s.....
hereby contract and agree on the acceptance of this Tender to supply to the Government of Tamil Nadu (hereinafter referred to as "the Government") in accordance with the conditions of contract stated below, the articles specified in the schedule below of the quality of sort and at the rate of price therein specified and I hereby forward a sum of Rs. _____ (in words) _____ deposited as Earnest Money at the 1% of the total cost of the equipment / materials to be returned to me if this tender is not accepted.

2) I have gone through important tender conditions and format of contract agreement and hereby agree to abide with the all conditions with regard to Evaluation & Testing, Supply, and Penalties for delay in execution of project and sign the contract which includes the conditions in the format of contract agreement.

3) I hereby state that the validity of the price quoted by me will be for 180 days from the date of the opening of the bid. I understand that non-submission of mandatory details and/or submission of unsigned schedules as prescribed in the tender document will lead to summary rejection of the tender bid. I hereby undertake with department in handling the project along with support for a period of minimum 4 years after the expiry of the specified warranty period.

4) I hereby undertake that any defect/failures of the equipment, during the warranty period will be rectified within 48 hours with 24x7 support and understand that otherwise penalty will be imposed as per schedule-XI (21) (C).The work shall be got done at required sites under supervision of qualified and experienced representatives of the company.

(Name of the signature authority)
Seal & Signature with Date

SIGNATURE OF THE TENDERER WITH DATE & SEAL

III. Schedule for Scope of Work

The following is the scope of work at all the sites as per the tender document.

- i) The scope of the project involves Supply, Installation, Commissioning, Testing and Warranty support & maintenance of equipment with 3 years comprehensive warranty as defined in this document.
- ii) The tenderer is responsible to supply, install and maintenance of the equipment with appropriate accessories and fixtures as part of the scope.
- iii) The tenderer is responsible for all the work that is required to be done which includes works such as civil, electrical and mechanical at no additional costs to the department.
- iv) The successful tenderer has to supply all the items strictly in accordance with the specification as mentioned in this document.
- v) The system installation includes the installation of equipment at specified locations as finalized by the department at the time of installation.
- vi) The entire system should capture the live video stream, store and retransmit field events.
- vii) The technical specifications mentioned in this document are the minimum requirement of the department. The tenderer not complied with these minimum technical specification is liable to be rejected.
- viii) All the equipment should withstand the power supply spikes and fluctuations in all weather conditions and the environment where the equipment is installed. The tenderer should take the extra precautions whatever to withstand their equipment to the conditions of the location.
- ix) It is the responsibility of the tenderer to ensure proper earthing wherever required as per the site requirements.
- x) All the equipment should be latest and of the prevailing or current standard production of the manufacturer at the time of the tender.
- xi) The scope includes all necessary hardware and software that is needed to the system for its completeness and proper function of the system at each of the location.
- xii) All the equipment supplied should withstand to the indoor & outdoor unpleasant rough environmental conditions and conform to global standards such as CE/ FCC, UL and RoHS as per the specification.

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- xiii) The tenderer should provide the necessary documentation including the design of the network, OFC wiring set up, power cable wiring, Ethernet wiring, and technical configurations of the system at the time of handover. Original User manuals and service manuals should be provided for cameras, encoders, decoder, software, servers, storages, switches, UPS etc.
- xiv) All the cables terminated at the switches, servers and storages should be labeled with proper tag for easy identification.

(2) Objective of the Solutions:

The proposed equipment will be deployed in the Police headquarters & designated field units. Required equipments/items as mentioned in scope of work and bill of materials of this tender document should be installed at the data centre at Police headquarters.

(3) Supply of Equipment/Spare/System/Software/Tools etc.:

The equipment & accessories should be supplied as per specifications given in Schedule-IX. The proposed items have to be supplied, installed and successfully commissioned by the selected bidder to the required location and have to be maintained for the three years continuous monitoring along with necessary 24x7 supports with replacement warranty at required places.

(4) Pre-dispatch Inspection:

The bidder should make necessary arrangements to conduct pre-dispatch inspection by the technical team of the department for all equipment quoted at factory site/ as required by the department, prior to dispatch without fail. The ordered equipment should be strictly in accordance with the technical specification as per make & model quoted and same would be checked during pre-dispatch inspection. In case the equipment do not meet the specification, order will be cancelled and the department will take legal action as per tender condition. After completion of pre-dispatch, equipment/items should be delivered /supplied to required site.

(5) Delivery:

The equipment and accessories shall be delivered at required sites at the cost of the company as required by the department. Any delay caused or problem arising on importing / getting of equipment/materials with respect to the project, the bidder is only responsible. The bidder alone is responsible for any demurrage charges or penalty and or variation in the price other than GST tax variations.

(6) Training

The Successful Bidder should need to conduct training on webcasting systems and its maintenance for minimum of 75 members (nominated by the Police Department) at the cost of bidder with required hands-on hardcopy materials in Chennai PTB office or preferred training institution for the period of minimum 1 day with all amenities as two or three batches.

(7) Implementation period

The entire scope of work under this tender should be completed within 72 days (60 days for supply/installation + 7 days for ATP + 5 days for Trial Run) from the date of issue of purchase order after signing Contract agreement as per implementation schedule of this tender document.

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(8) Installation and Commissioning:

i) Tenderer shall be responsible for commissioning the all new equipment and accessories with the concurrence and co-ordination of the liaison officer of the department or the implementation of project at respective sites during installation.

ii) All relevant documents such as operation, user and service manual shall be supplied by the Tenderer for equipment free of cost.

iii) If the supply, installation and commissioning of the equipment are not completed as specified in Schedule-VI from the date of receipt of the Purchase order, the user Department shall have the right to cancel the order and also take any such action which will be deemed fit according to the circumstances.

9) System Integration:

The vendor shall supply, install and commission the required items/equipment at Police headquarters as mentioned in technical scope of project.

(10) Acceptance Test Procedure (ATP) & Trial Run:

On completion of installation & commissioning, as per tender specification and requirement as respective site/s, necessary acceptance test will be conducted by the department by following necessary procedures. After completion acceptance test procedure (ATP), trial run will be conducted for minimum 5 days before handing over the system to the department. If any issues are observed during trial run bidder is whole responsible to rectify the same. After rectification such an issue raised, once again trial run will be conducted upto the satisfaction of the department and to meet the requirement of the project.

Necessary Conditions to be satisfied in ATP:

- Project should meet the necessary conditions mentioned in the technical scope of the tender document.
- The software should be able to offer graceful degradation of the recording quality in case there is deterioration in the network speed. This should be automated without any user inputs to be required on this i.e. there should be inbuilt network access negotiation.
- The necessary load testing should also be carried out simulating real time requirements, so that web streaming event meets the demand and goes through smoothly with good performance.

(11) Handing over:

The proposed supply/project should be handed over to Tamil Nadu Police after successful completion of supply, Installation, ATP and trial run as per schedule VI. All the items are the property of the department and it is under the custody of bidder in order to carryout necessary installation & commissioning till acceptance by the department.

2. The bidder is whole responsible for any loss/damage etc. for items / equipment etc covered under system/project, till completion of work and handing over it to the department. Further, during warranty period bidder is required to ensure proper functioning of all the items supplied under this scope of work.

(12) Payment Schedule:

No part payment or advance payment will be made to the bidder at any of the project during supply or implementation stage. On successful completion of the implementation & acceptance only, necessary bill will be settled to the company.

(13) Warranty & Maintenance:

(i) The Comprehensive onsite warranty **period is three years from the date of taking over of the project** for all items quoted & supplied for this project. During the warranty maintenance calls should be attended immediately and the system restored in working condition within 24 hours. Company should provide 24x7 support for the smooth functioning of the system under this project. For some of the vital items, immediate response and support is required. Bidder is required to keep necessary spare/components/accessories etc. to carryout necessary replacement and / or service support.

(ii) In addition, if any defects in manufacturing/Technical / installation aspects are noticed within the warranty period the vendor should rectify or replace the equipment at free of cost, otherwise penalty will be imposed as per Schedule XI (21). During warranty period the company should ensure all the items supplied by the firm are functioning with good working conditions as per the parameters / specification and report should be submitted for the same.

(iii) Also required to keep necessary spare equipment /accessories/components etc. at the cost of the company to provide immediate replacement or up keeping of the system from the bidder side without fail.

(iv) Extension of AMC or contract will be carried out by the department upon successful completion of warranty period based on the performance of the bidder only. In this regard, department will hold all the rights. Necessary recurring period also extended after successful completion of three years maintenance period.

(v) The quoted price is firm for all the components. If any change or variation in the TAX will be considered for revision of price according to the prevailing rules & regulations of the department. Also, if required necessary negotiation or re-tendering will be done by the department upon sanction of necessary fund for the same.

*I.....on behalf of M/s
..... have read all the details and terms
& conditions mentioned in this document and I hereby agree and undertake to comply
with scope of work as required by the department.*

IV. Schedule of Product Description & details required for various items/ components/ equipments quoted

I agree to supply the following items as per the product description provided by me below (List of items to be inserted by the tendering authority) after carefully reading the specification specified in Schedule-IX and as per site condition / requirements. The company must enclose leaflets / brochure of all the items along with the bid without fail. If any quoted model is not available at the time of supply, only higher configuration of items only accepted in the same brand subject to approval of the department.

Instructions: Bidder should provide fill below details without fail and otherwise it is liable for rejection of tender.

Sl. No.	Type of the article (To be filled by the tenderer for each item in separate row)	Product description - Suggested product Make	Suggested product Model	Name of OEM/ODM and its country of origin	Details of brochures/ leaflets etc enclosed for quoted items (Specify page No.)	Standardization certificate & its details enclosed (page. No)
	Webcasting equipment and its accessories					
1.	Video Camera					
2.	Encoder & bonding unit					
3.	SIM Card					
4.	Data Card (Dongle)					
5.	Decoder & Aggregator unit					
6.	Firewall					
7.	L3 switch					
8.	Streaming server hardware & its accessories					
9.	OS & Application Software for streaming server					
10.	Internet leased line					
11.	Network Attached Storage					
12.	Accessories (Networking/ Electrical/etc.)					

Important Terms:

1. If specific make and model is not mentioned in the above table, **it will lead to summary rejection of the bid without any justifications.**
2. The company must enclose leaflets / brochures of all the quoted items along with the bid without fail.
3. The bidder must be an OEM/ODM or an authorized OEM dealer/supplier. Relevant

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certificate of documents should be enclosed for supply of all items/materials which is/are obtained from the OEM/ODM for this project without fail. Subject to fail, it will lead to summarily rejection of the bid without any justifications.

4. Bidder needs to supply quoted make and model for technical demonstration cum evaluation, otherwise it will be summarily rejected.
5. If any of the documents as prescribed in above and required by the department are not provided **it will liable for rejection of such bid at even after issue of provisional acceptance order or purchase order** and if required, order will be placed to the next successful bidder on consideration and on obtaining of required documents as specified above.
6. Further, the bidder is hereby informed to produce all relevant documents as mentioned in this tender document and wherever it is required without fail.

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V. SCHEDULE FOR LIST OF DOCUMENTS REQUIRED

Sl. No	Type of the article	Details of the documents enclosed by the bidder	Page Nos.
1.	Webcasting equipment and its accessories	a) Manufactures Authorization certificate (MAF) issued in the name of bidder to participate in the tender in head from OEM. b) Certificate issued by OEM for minimum Three years of warranty, service & support in the name of department c) Information brochures / leaflets for quoted items d) Documents mentioned in Schedule III for scope of work (xiii).	
2	Model Certificate	The bidder is requested that pertaining to the acceptance of products from countries sharing land border with India, the Model certificate for tenders(As per Annexure I in order Public Procurement No.1) in F.No. 6/18/2019 – PPD of the Ministry of Finance, Department of Expenditure, Public Procurement Division, New Delhi dt.23.07.2020 is to be submitted by the bidders in Tenders as mentioned in Annexure III of this order (model certificate for Tenders)	

Important Terms:

1. If any of the mandatory documents as prescribed in Schedule V and required by the department are not provided **it will lead to summary rejection of the bid at even after issue of provisional acceptance order or purchase order** and if required, order will be placed to the next successful bidder on consideration and on obtaining of required documents as specified above.
2. All the required documents should be produced at required time as mentioned in any part of the tender and required by the department.
3. All the documents specified in Pre-qualification criteria Schedule II (A) of J should be submitted, otherwise the bid is liable for rejection.
4. OEM may issue MAF to multiple bidders without any restrictions to participate in the tender. It is upto OEM terms & conditions.

VI. Schedule for Time of Completion of Project

Time Schedule to complete the project:

The following shall be the time schedule for completion of the proposed project.

Sl. No.	Type of work	Estimated time schedule for completion of entire work.	Bidders commitment for time schedule
1.	Provisional Acceptance Order (PAO)	Issued to successful bidder on completion of tender process.	
2.	Date of entering into contract agreement after receiving provisional order and after submitting required documents.	Two weeks on receipt of provisional order. (Rights reserved to department). Needs to submit acceptance letter on receipt of PAO	
3.	Date of purchase order	On acceptance of provisional order and after signing the Contract Agreement.	
4	Supply, Installation and Commissioning	On or before 60 days on receipt of Purchase order.	
5	Acceptance Test Procedure (ATP) & Trial run	Minimum 7 Days after completion of installation work (if required) and 5 days of trial-run.	
6.	Taking over by department and entering into warranty	On completion of ATP, and successful Trial run, dept. will accept the items and entering in to comprehensive warranty period for three years.	

I.....authorized person of M/s.....agree to abide by the above time schedule for completion work and handing over of the project to the department and further understand that penalty will be imposed as mentioned below in case of failure to meet above schedule as specified in above.

Delay for Supply & installation of Equipment	Rate of penalty
Delay beyond 1 week after allowable time schedule	0.5 % of the Equipment cost which are yet to be supplied.
Up to 2 weeks	1% of the Equipment cost which are yet to be supplied
Up to 3 weeks	2 % of the Equipment cost which are yet to be supplied
Up to 4 weeks	3 % of the Equipment cost which are yet to be supplied
Up to 5 weeks	4 % of the Equipment cost which are yet to be supplied
More than 5 weeks	5% of the Equipment cost which are yet to be supplied

Note:

- I. Week will be calculated on number of day involved for the penalty on pro-rata basis.
- II. Submission of delivery challan is not deemed as acceptance of the materials by the department. After completion of all internal process only, it will be accounted properly
- III. Till the handing over of the items, bidder is whole responsible for its safety and security.

VII. Schedule for Details about the Company and Its Execution Team

Details required	Details (To be filled by the bidder)
Details of corporate office, branch office etc. availability of the bidding company (must specify address details)	1) 2) 3)
Details of qualified technical personnel available for installation and commissioning (name, qualification and experience and contact phone number)	1) 2) 3)
Coordinating officer nominated for this scope of work to handle all the subject matters & co-ordinate with OEM/Suppliers (name, qualification and experience and contact phone number).	

VIII. Schedule for Previous Items/Project Experience Details

Name of the Project (previously executed by the company)	Project Executed for (name of Govt. / other organizational agencies)	Details of items supplied	Stage of the project and its operational status	Page No. (proof to be enclosed)
1.				
2.				
3.				
..				
n..				

Note:

1. Bidder should also submit the copy of the purchase order for all the project mentioned and executed by you as detailed above.
2. Performance certificate / appreciation letter issued by Govt. / Private Agencies for successful completion of work for their purchase order mentioned if available.

IX. Schedule for Technical Specification & Requirements

(Note: The bidder has to mention the actual value of the parameters/type to be supplied in the column 4 instead of mentioning "complied" or Yes/No...)

Technical scope of the Project:

- 1) The scope of the project involves Supply, Installation, commissioning, testing and maintenance of equipment/services with 3 years comprehensive warranty.
- 2) The cameras and encoders with SIM cards & data dongle are to be distributed to 15 Locations in all 11 Police Ranges & 4 City Commissionerates. Multi-viewing of different events (max. of 8 concurrent) is proposed for at least 30 locations (Senior Officers & control rooms).
- 3) Tenderer is requested to study and understand the project completely as desired by the department before submitting their quote. The technical specifications mentioned in this document are the optimum requirement of the department. The tenderer is however allowed to enhance the specification with proper justification for effective and seamless functioning of the webcasting project and submit the quote accordingly.
- 4) The tenderer is responsible to supply and install the equipment with appropriate accessories and fixtures as part of the scope.
- 5) The successful tenderer has to supply all the items strictly in accordance with the specification as mentioned in this document.
- 6) The system installation includes the installation of equipment at specified locations as finalized by the department at the time of installation.
- 7) The system should capture the live video stream, store in central location and re-transmit. The video capturing equipment at the proposed end locations should also have the local storage of the event.
- 8) The system should have both live streaming and on-demand streaming capability.
- 9) All the equipment should withstand the power supply spikes and fluctuations in all weather conditions and the environment where the equipment is installed.
- 10) All the equipment should be latest and of the prevailing or current standard production of the manufacturer at the time of the tender.
- 11) All the equipment supplied should withstand to the indoor & outdoor unpleasant rough environmental conditions and conform to global standards such as CE/ FCC, UL and RoHS as per the specification.

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- 12)The tenderer should provide the necessary documentation including the design of the network, OFC wiring set up, power cable wiring, Ethernet wiring, and technical configurations of the system at the time of handover. Original User manuals and service manuals should be provided for cameras, software, servers, storages, switches, UPS etc.
- 13)The software should be able to offer graceful degradation of the recording quality in case there is deterioration in the network speed. This should be automated without any user inputs to be required on this i.e. there should be inbuilt network access negotiation.
- 14)The necessary load testing should also be carried out simulating real time requirements, so that web streaming event meets the demand and goes through smoothly with good performance.
- 15)All the cables terminated at the switches, servers and storages should be labeled with proper tag for easy identification.

Item-1: Specification of Video Camera**Quantity - 15**

S.No	Parameter	Specification	Compliance
1.	Resolution	FHD camcorder with wide-angle 24.5 mm	
2.	Optical Zoom	15X Optical zoom lens	
3.	Digital Zoom	2x/5x/10x	
4.	MOS Sensor	1.0 Type	
5.	Supporting Recording Format	Should support FHD 50p/25p multi-format recording.	
6.	Recording Format	MP4/AVCHD	
7.	Video Compression Format	MPEG-4, AVC/H.264 High Profile	
8.	Recording Media	1 SDHC memory card (32 GB) & SDXC memory card (64 GB)	
9.	Video Output:	HDMI connector / one analog output compatible to the encoder to be used	
10.	Audio Input	XLR (3-pin) , LINE/MIC	
11.	Audio Out	HDMI, Audio Out, 3.5 mm diameter stereo mini jack for headphone	
12.	LCD Monitor:	3.5" -type LCD monitor	
13.	Viewfinder	0.24-type EVF	
14.	Accessories	Should come with included accessories of Battery, Battery charger, AC adaptor, Microphone	

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		holder, Screw for microphone holder, AC cable, Eye cup, Lens hood, INPUT terminal cap, Operating instructions.	
15.	Warranty	3 years onsite warranty	

Item-2: Specification of Encoder & bonding unit**Quantity – 15**

Sl.No	Parameter	Specification	Compliance
1.	Transmission Link	Aggregates Cellular, Wi-Fi, internet	
2.	Embedded modem	Minimum of 2 internal cellular modems, 2 USB dongles, internal Wi-Fi and Ethernet	
3.	Bit rate	Adaptive/Dynamic	
4.	Video interface	SD-SDI, HDMI	
5.	Audio	HDMI/SDI/line-in	
6.	Encoder type	Hardware or software encoder. If software encoder is used, necessary license must be perpetual.	
7.	Encoder (Video)	HEVC/H.265	
8.	Encoder (Audio)	AAC	
9.	Control	Video Preview, Local control and Remote control from server	
10.	Resiliency and quality	Should support FEC	
11.	Warranty	3 years onsite warranty and 24 X 7 Support.	

Item-3: Specification of SIM card & Data dongle

Tenderer is requested to provide the following for 15 locations along with encoder and bonding unit:

- 1) 2 nos of SIM cards & 2 no. of data dongle (4G) combination can be supplied by the vendor (a total of 30 SIM cards and 30 data dongles to be supplied).
- 2) Each SIM card and data dongle should have annual data package of min.90GB/month with no daily restriction on data usage. The left over data must

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be carried forward to the next month. The data package should be renewed for every year till the end of warranty period.

- 3) Out of 2 no of SIM cards, 1 SIM card must be with 4G connectivity and the other SIM card may be with 2G/3G. Both the SIM cards should not from a single service provider. Also both the data dongle should not from a single service provider.
- 4) The data dongle must be compatible with the encoder to be used.

Item-4: Specification of Decoder & Aggregator unit**Quantity – 1 setup**

Sl.No	Parameter	Specification	Compliance
1.	Form factor	Blade or Tower	
2.	Video decoder	HEVC/H.265	
3.	Configuration	The unit should be capable of receiving and recording live feeds from 8 field encoder units simultaneously.	
4.	IP outputs	HD/SD SDI format to record and to re-stream	
5.	Resolution	HD/720p or above	
6.	Hw interfaces	HD/SD SDI	
7.	Aggregator hardware	Server with dual Intel Xeon processors 8 core & above. 32 GB RAM, 1 TB HDD	
8.	Software & license	OS and application software which involves aggregation of the inputs from various field units in HEVC Compression Ratio to decode into HD/SDI. Necessary Perpetual license for software (if any)	
9.	Network interface	1000 RJ45	
10.	Power sources	240 V 50 Hz	
11.	Control	Remote access to Field units for Configuration & Monitoring	
12.	Preview	Dashboard with information about field encoders	
13.	Warranty	3 years onsite warranty and 24 X 7 Support.	

Note: The hardware designed in optimum requirement for a total of 8 simultaneous field users, who can access the decoder unit. Tenderer is however allowed to enhance the specification with proper justification for effective and seamless functioning of the webcasting project and submit the quote accordingly

Item-5: Specification of Firewall

			Quantity -1
S.No	Parameter	Requirement	Compliance
1.	LAN/WAN Ports 10/100/1000 Interfaces	4 or more	
2.	USB Interface	1 or more	
3.	RJ-45 Serial Console	1 no	
4.	Firewall Throughput	1 Gbps or more	
5.	IPS Throughput	Min 300 Mbps	
6.	Concurrent Sessions (TCP)	Min 1 Million	
7.	SSL-VPN Throughput	65 mbps or more	
8.	Networking features	Static, DHCP, PPPoE, L2TP and PPTP client, Internal DHCP server, DHCP relay, NAT	
9.	Administration Features	Web portal customization, Backup and Restore configuration, Administrator Profile Management	
10.	Content Filtering Features	HTTP URL, HTTPS IP, keyword and content scanning	
11.	User authentication Features	Super admin and admin	
12.	VPN Features	SSL VPN and IPSec VPN	
13.	Monitoring & Reporting Features	Local user Database	
14.	Firewall & Security features	IDS & IPS	
15.	Wall / Rack Mountable	Rack	
16.	AC Power	100 to 240 VAC, 50-60 Hz,	
17.	Operating temperature	0 to 40 degree Celsius	
18.	Warranty	3 years onsite warranty and 24 X 7 Support with required license renewal for 3 years.	

Item-6: Specification of L3 Network Switch**Quantity -1**

S.No	Parameter	Requirement	Compliance
1.	Input Voltage	100-120/200-240 VAC or Suitable	
2.	Management features	IMC - Intelligent Management Centre; command-line interface; Web browser; SNMP Manager; Telnet; HTTPS.	
3.	Ports	24 Nos of 1GbE Module or more, 4 Nos of preloaded SFP or more	
4.	Interfaces	RJ-45, RJ-45 serial console port, Management Port	
5.	Protocol / Service support	Layer 3 IPv4 routing, OSPF and OSPFv3 support, IS-IS and IS-ISv6 support, Layer 3 IPv6 routing, Virtual Router Redundancy Protocol (VRRP), Policy-based routing, Secure Shell (SSHv2), Port isolation or equivalent.	
6.	Manageable & Support	Yes & IPV4 / IPV6	
7.	Management	Web-based Management, CLI, Telnet, DHCP SNMP v1, v2c, v3.	
8.	Standard Memory	512 MB or more	
9.	Flash Memory	128 MB or more	
10.	Form Factor	Rack-mountable & 1U	
11.	Warranty	3 years onsite warranty and 24 X 7 Support.	

Item-7: Streaming server hardware & its accessories**Quantity –1**

S.No	Parameter	Requirement	Compliance
1.	Make & Model	Must be specified. All the relevant product brochures and manuals must be submitted.	
2.	Form Factor	Minimum 2U Rack	
3.	Processor	Dual Xeon Quad Core Processor	
4.	Processor Base Frequency	3.0 GHz clock speed or better	

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5.	No of cores per processor	Min 8 core in each processor	
6.	Cache	Min 20 MB smart cache or suitable	
7.	No. of Processor physically required	Two CPU Processor	
8.	Mother board & Chip set	Intel chip set with Inbuilt GPU	
9.	RAM Memory Slot requirement	To support upto 128 GB RAM	
10.	RAM Memory required	32 GB physically loaded RAM with DDR4 2400 MHz ECC type	
11.	Optical Media	DVD Drive RW	
12.	RAID controller	Hardware RAID controller to support & have RAID-5 functionality or suitable	
		RAID battery kit for RAID controller based on requirement	
13.	Physical SAS Drive required	4 x 600 GB 2.5" SAS with 15 K RPM	
14.	Interface Card:	Min. 2 Nos of 10 Gigabyte network ports; or higher	
		Min. 4 Nos. of 1 Gigabyte network ports; or higher	
15.	Power Supply	Power supply with high Redundant.	
16.	Cooling FAN	Required cooling FAN must be provided for processors, chassis vent etc.	
17.	System Management	Diagnostic LCD panel type - Automatic server restart & diagnostics panel etc.	
18.	USB Ports	Minimum 4 Port	
19.	Display Ports	Minimum 1 VGA/HDMI port with suitable cables based on site requirement	
20.	Accessories	1 no of 21 inch LED HD monitor, 1 USB keyboard and 1 USB mouse.	

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21.	Rack	19 Inches (Movable),42 U server rack cabinet,30" usable depth front rail to rear rail, Tempered glass front door with lock, rear door with lock, Fan panel with 4 Fans suitable railing shelf for keyboard and mouse, Suitable shelf for monitor, power strip with 16 power outlets, 15 ft cord, Circuit Breaker with Overload Protection.	
22.	OS Support compliance	Latest Microsoft Windows Server, Red Hat Enterprise Linux and SUSE LinuxEnterprise Server, Vmware	
23.	Warranty	3 years on-site replacement warranty with 24x7 supports for all hardware & software items supplied under this scope with required license & updates. Bidder needs to submit necessary OEM letter for the same.	

Note: The hardware designed in optimum requirement for a total of 8 simultaneous users, who can access the server. Tenderer is however allowed to enhance the specification with proper justification for effective and seamless functioning of the webcasting project and submit the quote accordingly

Item-8: OS & Application Software for streaming server**Quantity –1**

S.No	Parameter	Requirement	Compliance
1.	Operating System	Suitable Operating system with Licenses to comply the scope of the project.	
2.	Input to encoder	HEVC Live Encoders with 3G/HD/SD SDI input	
3.	Delivery Protocol	RTMP unicast, HTTP, HTTPS Live Streaming(HLS)	
4.	User supported Protocol	HTTPS Live Streaming (HLS) with all leading browsers (Chrome, Firefox, Edge, Safari, Opera, etc.) and mobile phone viewing support.	

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5.	Supported Live Encoders	Multichannel IP Streaming Encoders should be with capability to do live streaming in HEVC for re-streaming in HLS/WebRTC Format (with 2 nos. as cold spare). And also it should be scalable.	
6.	Encoding type	Suitable transcoder to encode in CBR/VBR in HEVC	
7.	Supported file format	flv, mp4, mp3, 3gp, mov	
8.	RTMP, RTSP Audio Compatible Input	AAC, AAC-LC, HE-AAC (accPlus) v1 & v2, MP3	
9.	Other requirement	Java Runtime Environment (JRE) 6+ / Java Development Kit (JDK) 6+. Should support all major industry standard protocols, HEVC support is mandatory.	
10.	SOFTWARE & License	Necessary software with perpetual license	
11.	User authentication	Internal Authentication	
12.	User logging	Full user activity logging including media resources used, amount of data transfer and other information	
13.	User control	Live console allows real -time user monitoring and management including user credentials for viewing	
14.	Live Statistics	Live console displays current server state: current throughput for each delivery protocol, active users and media resources being used	
15.	Virus protection (if required)	Suitable server anti-virus protection tools with three years licenses from the date of acceptance.	
16.	Warranty & Support	3 Years onsite Warranty and 24 X 7 Support.	

Item-9: Internet leased line specifications**Quantity –1**

S.No	Parameter	Requirement	Compliance
1.	Connectivity	1 no of 100 Mbps (1:1) Leased Line Internet connection on Fiber Optic Link connectivity for a period of Three years from the date of commencement of project	

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2.	IP addresses	10 Numbers of static Internet IP Addresses.	
3.	Services	DNS Service including reverse lookup	
4.	IPV6 support	The network should be fully IPv6 compliant. It should be possible to run both IPv4 & IPv6 concurrently on the network i.e. Dual Stack.	
5.	Installation	Installation, Commissioning and configuring the 100 Mbps fiber internet leased line with necessary equipment for connectivity is the sole responsibility of the vendor.	
6.	Redundancy	The Fiber Optic link to the campus should be on ring architecture.	
7.	Interface	The output interface should be Ethernet (1000Mbps).	
8.	Reports	Reports for performance, monitoring/usage to be submitted by the bidder on monthly basis or as per our requirement	
9.	Bandwidth speed test	The bidder will be responsible to provide a web portal for bandwidth utilization, uptime and packet loss and to check bandwidth speed.	
10.	Network Availability	The network availability should be more than 99% per Month.	
11.	Maintenance support	The vendor should provide support on 365 x 24 x 7 basis and onsite support, when required	
12.	Conditions	<p>1. The Vendor will be responsible for the comprehensive Maintenance and working of hardware installed for connectivity.</p> <p>2. Any fault in the hardware, Software & other any equipment involved in providing the connectivity should be rectified by the vendor at no additional charges till the end of warranty period.</p> <p>3. The vendor will do preventive maintenance once a Quarter for upkeep of the systems running.</p>	

Item-10: Specification for storage (NAS)

Quantity –1

S.No	Parameter	Specification	Compliance
1.	OS Support	Windows/Linux	
2.	Ports	2 USB 3.0 and 2 USB 2.0 ports 1 VGA connection 1 COM port 2 -1Gb & 2 - 10Gb Ethernet ports (RJ45) 1 RJ45 dedicated IPMI LAN port	
3.	LAN Port type	Ethernet, Fast Ethernet, Gigabit Ethernet	
4.	RAM	32 GB or more	
5.	Protocols	Should support AFP, SMB, NFS, HTTP and FTP protocols	
6.	AV Protection	Suitable AV with 3 Yrs	
7.	RAID	Should support 0,1,2, 5,6, 10	
8.	Certification	CE/FCC, UL, TUV, CB Report, CCC Certification	
9.	Redundant Power Supply	Hot Swappable	
10.	HDD	Should be equipped with min 32TB Usable in RAID 5 and should have at least 02 slots for future expansion. Expandable up to 64TB usable.	
11.	Throughput	Should deliver up to 2000 MB/s throughput	
12.	License/ database	Should have storage license/ database for Minimum 5 years from 8 devices	
13.	File Access Protocol	NFS FTP SMB Direct (RDMA)	
14.	Voltage	Input Range 100 - 240 VAC, 50-60Hz	
15.	Warranty	Three years onsite warranty. 24x7 support	

Item-11: Specification for accessories

S.No	Parameter	Specification	Compliance
1.	Accessories	All miscellaneous items like nuts, bolts, screws, fixing items, cable ties, small pipes, patch chords, wires, connectors, power sockets, extension boxes, adhesives, clips, clamps, trippers, earthing wires, earth rods, stay wires, insulation tapes, power adapters, DC sockets	

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		and pins which are required for the proper function of the project come under accessories. Similarly LAN switches, all interconnecting cables (SDI/RJ45/HDMI/fiber patch cords) USB extender, HDMI extender which will be required (if any) at the time of installation also come under accessories.	
2.	Warranty	3 years onsite replaceable warranty	

Item-12: Specification for installation and commissioning

S.No	Parameter	Specification	Compliance
1.	Electrical wiring	Power cable from UPS should be properly laid through proper casing along the wall or ceiling with proper fixtures. The wires exposed outside should be neatly dressed and tied. Necessary insulations will be provided.	
2.	Installation and Commissioning	Installation and commissioning includes transportation of all items to the site, digging, drilling, welding, masonry work, carpentry work, UPS wiring, Power cable wiring and laying, Network cable wiring and laying, PVC pipe laying, HDPE pipe laying, earthing of all electrical items, installation of all items as per the specification & scope of work and proper working of all equipments as per the tender specification and handing over to the Police Department	

Note:

1. The Bidder has to mention the actual value of the parameters instead of merely mentioning "complied". Also the bidder has to mention the make and model of every items quoted.
2. The Connecting cable and accessories length/Quantity as per site requirement.
3. As per site requirement the bidder has to provide complete LAN wiring and OFC cable with proper casing for all items.
4. As per site requirement the bidder has to provide complete wiring (Electrical) with proper casing for all items and outdoor underground OFC laying.
5. The firm should provide necessary accessories (as per the scope of the project) even if it is not mentioned in the specification.

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6. All Equipment should be powered through online UPS available at the implementation site.
7. All the accessories should be transported to the site by the vendor. Installation should be done as per the specification and scope of work by the vendor.
8. All the cables and items should not be leaved hanging through their usage path or anywhere. The cables and connections should be neatly dressed and tied up with PVC casing and capping.

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X. Schedule for Servicing and Maintenance Infrastructure

Details Required	Details
Name of authorized service centre location with address and & contact details in Chennai city	Name: Address:
Contact number of the service centre	Mobile: Landline: Alternate number:
Rental/Lease Agreement copy etc. & Telephone bill is enclosed or not (Specify page No.)	
Names of service engineers with qualification and experience details	1) Name: Year of experience: Qualification: Certification done: (if any) Contact no:
	2).....
	3).....
The minimum hours required for service after intimation received	All service calls assigned should be properly recorded and service tag should be provided and same should be attended on same day. Maximum 48 hrs should be given for attending of compliant. Otherwise necessary penalty will be imposed as specified in schedule XI. 21(C)

XI. Important Conditions

1.	Document: Only the tender document supplied by this office/downloaded from the https://www.tenders.tn.gov.in should be used and it should be resubmitted in full shape without detaching/modifying any page from it. Incomplete tender documents submitted will be rejected.
2.	Signatures: All the Schedules in the tender document are to be signed at the prescribed places. Besides each page of the tender document should also be duly signed including technical specifications, format of contract agreement and important conditions. <i>No erasures, inter alienations or alterations will be allowed except when initialed by the tenderer.</i> Bidder need to submit whole document with the bid without fail.
3.	Earnest Money Deposit: (i) Earnest Money Deposit equivalent to 1% of the total cost of the equipment/project or necessary exemption document (exemption document should be valid and relevant to particular product quoted) has to be submitted along with the bid document as specified in Top sheet. (ii) The EMD should be in form of Banker's Cheque or Demand Draft drawn in favour of the <u>"The Deputy Inspector General of Police, Technical Services, Chennai-04."</u> Personal or Company Cheques will not be accepted. Any tender submitted without the EMD will be summarily rejected as per Tamil Nadu Government Gazette Notification dated: 21.12.1998. In the case of unsuccessful tenderers, their earnest money will be returned to them after the signing of contract with the successful bidder. The EMD should be kept in the Envelope-1 only. (iii) EMD should not be enclosed in the Commercial Bid Cover and it should attached only with Technical Bid cover
4.	Income Tax (IT) & GST Documentation: PAN/TAN No. and GST registration No. are to be mentioned in the Schedule-XIII (Form-13). Last three years Income tax and sales tax returns are to be appended with tender document.
5.	Rates should be distinctly shown in tenders in words as well as figures.
6.	Exchange rate variation and Other Duties: Any upward variation to the exchange rates and other duties shall be borne by the Tenderer and not by the department and basic price should be quoted accordingly.
7.	Service Infrastructure: Service Centre shall either be a Direct Service Centre or Franchise or authorized Service Centre of the Bidder. Documentary proof for meeting service centre conditions shall be enclosed. Companies which are from out of Tamil Nadu State should have a permanent office with Service back up facilities in Tamil Nadu preferably in Chennai and they should submit Address and Telephone number for Correspondence. The documentary proof for the address should be submitted as specified in this tender.
8.	<p>Opening of Commercial Bid</p> <p>The technical bids of tenders, which are correct and qualified in all respects, will be evaluated and those who qualify on the basis of technical bid will be informed the date and time of opening of their commercial bids. The commercial bids of the technically qualified tenderers alone will be opened. The decision of department shall be final in this regard</p> <p>Commercial Bid cover will be opened on the informed date in the presence of the bidders who qualified the technical evaluation or their authorized representatives who should bring a letter of authority from the tendering firms to establish their bonafides.</p>

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9.	<p><u>Tenders will be liable to rejection:-</u></p> <ol style="list-style-type: none"> If the tender is not submitted in the format supplied by this office / downloaded from website. If the tender cover is not super-scribed as mentioned in Schedule II (A) of A, If separate covers for Technical Bid and Commercial bid are not enclosed. If Commercial quote is enclosed in the technical bid cover If Technical bid Cover and Commercial Bid cover are not super-scribed duly. Non-submission of details on PAN / TAN, GST Registration details in the Schedule-XIII (Form-13) If Country of manufacture and of the origin of the material used in manufacture of the articles is not mentioned in the Schedule-IV (Product description). If the Earnest Money Deposit in form of Bankers Cheque or Demand Draft is not enclosed or non-submission of relevant (to particular product quoted) and valid exemption document If the tenderer on his own includes any conditions for the supply or other matters related to tender in his bid. If the tenderer enters one rate in figures and another in words in the Schedule-XV (Commercial bid) and declines to abide by the lower of the two. If the tenderer alters the period of supply or expunges any clause in the form of tender, and If the same make & model for all the items as quoted in tender are not produced for Technical Evaluation Test as required by the department, it will be rejected. If the quoted item and enclosed brochures are not matched. Quoted items only will be considered under such conditions.
10.	A tender may be accepted for one or more or the whole of the articles, as the case may be. The lowest tender will not necessarily be accepted. The department reserves all rights in this regard.
11.	The department has the right of requiring a successful tenderer to supply a greater number or quantity of the articles (25% more or less than the intended quantity) mentioned in the schedule-XII than the number or quantity mentioned therein.
12.	<p>Reservation of rights: The department reserves the following rights</p> <ol style="list-style-type: none"> To award contract to one or more tenderers in respect of each item covered by the tender. To reject any or all the tenders without assigning any reasons there-for. To relax or waive or modify at his discretion any of the condition/specification in the interest of the department. The decision of the tender accepting authority of this department in this regard shall be final, conclusive and binding on the supplier.
13.	<p>Acceptance of Tender and withdrawals:</p> <ol style="list-style-type: none"> The final acceptance of tender is entirely vested with the department who reserves the right to accept or reject the tenders without assigning any reason. There is no obligation on the part the Department to communicate with the rejected Tenderers. After acceptance of the Tender, the tenderer shall have no right to withdraw his Tender or claim higher price. The tender accepting authority may also reject the tenders for reasons such as changes in the scope of procurement with advanced technology equipment, lack of anticipated financial resources, court orders, accidents or calamities and other unforeseen circumstances.

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14.	Time limit for execution of contract: The successful bidder should undertake to execute the contract agreement along with bank guarantee / demand draft within 15 days of letter of acceptance of tender with the terms and conditions of contract aforesaid together with such further usual conditions as before the execution of the contract may be agreed upon between.
15.	Security deposit: Successful tenderers will be required to furnish a Security Deposit calculated at 5 % on value of the purchase order value and to execute an agreement in the prescribed format of the department. The stamp duty on the agreement should be borne by bidder.
16.	Failure to execute agreement: If the tender is accepted and the tenderer fails to execute an agreement within two weeks or less of notice of such acceptance, the tenderer is liable to forfeit to Government the amount of earnest money deposited by bidder in respect of such tender and this will be without prejudice to the other rights and remedies of the Government.
17.	Scope of Work: The scope of the work is to design, supply, install and commission the project and to give maintenance support for three years during the Warranty period and other details as per schedule III & IX.
18.	Supply & Installation: Supply & installation and handing over should be completed within 60+7 days from the date of issue purchase order by the department as per Schedule-VI at required sites as mentioned in Schedule-XIV by the bidder without any additional cost.
19.	Pre-dispatch Inspection: The tenderer should make arrangements to conduct technical evaluation by the technical team of the department for all related equipment at factory site prior to dispatch or as required by the department. The ordered equipment should be strictly in accordance with the technical specification as per tender document and evaluation conducted. In case the equipment does not meet the specification, order will be cancelled and the department will take legal action as per tender condition.
20.	Acceptance of materials: Physical delivery of the item will not constitute supply. The completion of Quality Control will be deemed as completion of supply. If on examination of sample, any portion of the supplied materials/equipment is found to be damaged or substandard or not fully in accordance with the relevant specifications, the whole supply shall be rejected irrespective of the fact that this material was cleared during pre-dispatch inspection. The materials/equipment should strictly confirm to the specifications given in the tender conditions. In case of doubt whether the materials confirm to the specifications or not the decision of the department shall be final. The department has every right to reject the equipment found not confirming to the specifications and they should be replaced within 7 days at the cost of the bidder. Subject to fail, necessary penalty will be imposed for such delay.

SIGNATURE OF THE TENDERER WITH DATE & SEAL

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21.	<p>(a) Penalty for not completed with the delivery schedule: Where the Project is not completed with the delivery schedule VI, without prejudice to the right of the department to cancel the purchase order and extension of time may, if so required by the bidder may be granted at the discretion of this department only. Such extension of time will entail recovery of penalty as detailed in schedule VI.</p> <p>(b) Penalty for non-fulfillment of tender conditions: Penalty will be levied at 5% on the total value of project cost or the actual loss incurred to the Department whichever is higher if the conditions stipulated in the Contract Agreement are not fulfilled or observed, till the project is completed with satisfactory performance and handed over the project within the stipulated time.</p>														
21.	<p>(c) Penalty for breakdown after supply & delivery: For any defect/failures of the equipment have to be rectified on same day of receiving such complaints from department. Maximum of 48 hours will be given for 100% rectification by replacing the items/attending of complaints. All original equipment supplied under this tender should be rectified and restored within specified time interval, otherwise penalty will be imposed as follows:</p> <table border="1"> <thead> <tr> <th>Breakdown</th><th>Rate of penalty</th></tr> </thead> <tbody> <tr> <td>Upto 48 hrs or 2 days</td><td>Nil</td></tr> <tr> <td>For 1 week of breakdown</td><td>0.5 % of the Equipment cost which have failed</td></tr> <tr> <td>For 2nd week of breakdown</td><td>1.0 % of the Equipment cost which have failed</td></tr> <tr> <td>For 3rd week of breakdown</td><td>2.0 % of the Equipment cost which have failed</td></tr> <tr> <td>For 4th week of breakdown</td><td>3.0 % of the Equipment cost which have failed</td></tr> <tr> <td>If problem exists beyond 4 weeks</td><td>5.0 % of the Equipment cost without pro-rata basis.</td></tr> </tbody> </table>	Breakdown	Rate of penalty	Upto 48 hrs or 2 days	Nil	For 1 week of breakdown	0.5 % of the Equipment cost which have failed	For 2 nd week of breakdown	1.0 % of the Equipment cost which have failed	For 3 rd week of breakdown	2.0 % of the Equipment cost which have failed	For 4 th week of breakdown	3.0 % of the Equipment cost which have failed	If problem exists beyond 4 weeks	5.0 % of the Equipment cost without pro-rata basis.
Breakdown	Rate of penalty														
Upto 48 hrs or 2 days	Nil														
For 1 week of breakdown	0.5 % of the Equipment cost which have failed														
For 2 nd week of breakdown	1.0 % of the Equipment cost which have failed														
For 3 rd week of breakdown	2.0 % of the Equipment cost which have failed														
For 4 th week of breakdown	3.0 % of the Equipment cost which have failed														
If problem exists beyond 4 weeks	5.0 % of the Equipment cost without pro-rata basis.														
22.	<p>Payment: No part payment or advance payment will be made to the bidder for this tender. After, successful completion of implementation & acceptance of proposed item, necessary bill will be settled to the company.</p>														
23.	<p>Extension of contract for CAMC: The Department may extend the contract period for another 2 years for all required services based on performance of the bidder which includes AMC of the devices if required after conducting necessary price negotiation and following applicable procedures.</p>														
24.	<p>Guarantee / Warranty:- Tenderer shall provide comprehensive replacement warranty / Guarantee for a <u>period of three years from the date of handing over & taken over of the project by the department after installation & commissioning</u> as specified detailed in Schedule- IX of this tender document. The warranty shall cover defects in materials or bad workmanship under normal use and service for the period of warranty notwithstanding the fact the materials were inspected by the inspecting officers if required the bidder is to provide stand by units/items in order to replace the defective units/items.</p>														

SIGNATURE OF THE TENDERER WITH DATE & SEAL

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25.	Refund of Security Deposit: - Security Deposit of 5 % will be retained as performance guarantee and this will be settled after the warranty period is over and also after getting a certificate from the user Department to the effect that the items purchased are upto their satisfaction after deduction of all the penalties worked out for all break downs / damages caused if any.
26.	<p>Termination of Contract:-</p> <p>(i). Termination for default:</p> <ol style="list-style-type: none"> Tender Inviting Authority may without prejudice to any other remedy for breach of contract, by written notice of default with a notice period of 15 days, sent to the Successful Bidder, terminate the contract in whole or part, subsequently their security deposit kept in the custody of police department will be forfeited and credited to the account of Govt. <ol style="list-style-type: none"> if the Successful Bidder fails to deliver any or all of the services indicated within the time period(s) specified in the Contract, or fails to deliver the items as per the Delivery Schedule or within any extension thereof granted by Tender Inviting Authority; or If the Successful Bidder fails to perform any of the obligations under the contract; or If the Successful Bidder, in the judgment of Tender Inviting Authority, has engaged in fraudulent and corrupt practices in competing for or in executing the Contract. In the event of Tender Inviting Authority terminating the Contract in whole or in part, Tender Inviting Authority may procure the services from outside / inside upon terms and in such a manner as deems appropriate at the risk and cost of the defaulting successful Bidder and the successful Bidder shall be liable to Tender Inviting Authority for any additional costs for such services. However, the Successful Bidder shall continue the performance of the contract to the extent not terminated. <p>(ii) Termination for Insolvency: Tender Inviting Authority may at any time terminate the Contract by giving written notice with a notice period of 15 days to the Successful Bidder, if the Successful Bidder becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Successful Bidder, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to Tender Inviting Authority. Subsequently their security deposit kept in the custody of police department will be forfeited and credited to the account of Govt.</p> <p>(iii) Termination for Convenience: Tender Inviting Authority may, by written notice sent to the Successful Bidder, with a notice period of 15 days, 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 Tender Inviting Authority's convenience, the extent to which performance of work under the Contract is terminated, and the date upon which such termination becomes effective. On termination, the Successful Bidder is not entitled to any compensation whatsoever. Subsequently their security deposit kept in the custody of police department will be forfeited and credited to the account of Govt.</p>
27.	<p>Force Majeure:</p> <p>Neither Tender Inviting Authority nor the Successful Bidder shall be liable to the other for any delay or failure in the performance of their respective obligations except causes</p>

TENDER NO:

	<p>or contingencies beyond their reasonable control due to Force Majeure conditions such as:</p> <ul style="list-style-type: none"> a) any act of God such as lighting, earthquake, landslide, etc or other events of natural disaster of rare severity b) Meteorites or objects falling from aircraft or other aerial devices, travelling at high speeds c) Fire or explosion, chemical or radioactive contamination or ionizing radiation d) Epidemic or plague <p>Act of war (whether declared or undeclared), threat of war, invasion, armed conflict or act of foreign enemy, unexpected call up of armed forces, blockade, embargo, revolution, riot, religious strife, bombs or civil commotion, sabotage, and terrorism</p>
28.	<p><u>Dispute Resolution:</u></p> <ul style="list-style-type: none"> i. Any dispute or difference, whatsoever, arising among the parties to this agreement arising out of or in relation to this agreement shall be resolved by the Parties through mutual consultation, in good faith and using their best endeavors. To this end, the parties agree to provide frank, candid and timely disclosure of all relevant facts, information and documents to facilitate discussions between them/their representatives or officers; ii. Except as otherwise provided elsewhere in the Contract, if any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, at any time in connection with construction, meaning, operation, effect, interpretation or out of the contract or breach thereof, the same shall be decided by a sole Arbitrator appointed by the Tender Inviting Authority. iii. If the Arbitrator so appointed dies, resigns, incapacitated or withdraws for any reason from the proceedings, another Arbitrator shall be appointed by the Tender Inviting Authority. The Arbitrator so appointed shall proceed with the reference from the stage where his predecessor had left if both parties consent for the same; otherwise, he shall precede de novo. iv. It is a term of the contract that the party invoking arbitration shall specify all disputes to be referred to arbitration at the time of invocation of arbitration and not thereafter. v. It is also a term of the contract that neither party to the contract shall be entitled to seek interest and the arbitrator should not grant interest. vi. The Arbitral Tribunal shall give reasoned award and the same shall be final, conclusive and binding on the parties. vii. The venue of the arbitration shall be Chennai and language English. viii. The fees of the arbitrator and expenses incidental to the arbitration proceedings shall be borne equally by the parties. ix. Subject to as aforesaid, the provisions of the Arbitration and Conciliation Act 1996 and any statutory modifications or re-enactment in lieu thereof shall apply to the arbitration proceedings under this clause.
29.	<p><u>Insurance and safety measures :</u></p> <p>Insurance if any required, for any purpose/person will be arranged by the successful bidder alone for any work/ cost against transit damages / shortages /installation upto destination and complete handing over. The safety of the workers is vested with the bidder. The bidder shall take adequate safety measures for public and worker safety in all installation sites by provision of fencing, safety gears, warning lights wherever</p>

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	necessary. Safety gears may be utilized by the workers. Also if necessary guards may provide 24x7 for safety in hazardous sites. The safe custody of the equipment during the installation period upto taking over by the department is entirely vested with the successful bidder.
30.	<p><u>Fraud and corruption:</u></p> <p>The Tender Accepting Authority has the right to reject a Tender / contract award if it determines that the bidder considered for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in the following manner</p> <ul style="list-style-type: none"> i) "corrupt practice is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party; ii) "fraudulent practice is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation; iii) "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party; 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 a party; 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 a 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 the investigation; or acts intended to materially impede the exercise of the purchaser's inspection and audit rights.
31.	<p>Suppression of facts:</p> <ul style="list-style-type: none"> a) During the Bid evaluation, if any of facts / information is suppressed or misrepresented and if the same is brought to the notice of Tender Inviting Authority, Tender Inviting Authority will have the right to reject the Bid. If such information is brought to the notice of Tender Inviting Authority after the selection of the Successful Bidder, then Tender Inviting Authority will terminate the contract without any compensation to the Bidder and the EMD with SD will be forfeited. b) Bidders should note that any figures, information and details in the supporting documents submitted by the Bidders for proving their eligibility is found suppressed or erased, Tender Inviting Authority will have the right to seek the correct facts and figures or reject such Bids. c) It is up to the Bidders to submit the full copies of the supporting documents to meet out the eligibility criteria as set out in the Tender. Otherwise, the Tender Inviting Authority at his/her discretion may or may not consider such

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	documents.
32.	<p>Right to Terminate the Process:</p> <p>The Department may terminate the RFP process at any time and without assigning any reason. The Department makes no commitments, express or implied, that this process will result in a business transaction with anyone. This RFP does not constitute an offer by the Tamil Nadu Police. The bidder's participation in this process may result in successful short listing of the bidder based on the Technical bid & Price bid.</p>

Ion behalf of
M/s have read the all the details and conditions mentioned
above and I hereby agree to comply with these conditions and undertake for the same.

XII. Bill of Materials for the project

The entire product/items etc. should be supplied with 3 years warranty/guarantee with maintenance without any deviation. The specification guidelines/requirements for the items are given in Schedule-IX. The Items for which specification guidelines is not provided in this tender, the bidder is required to supply high quality products with service support in market and enclose specification details for the same.

Sl.No	Name of the item (To be filled by the tenderer for each item in separate row)	Qty.	Make & Model to be supplied (Bidder should enclose brochure/leaflets)
	Webcasting and its accessories		
1.	Video Camera	15	
2.	Encoder & bonding unit	15	
3.	SIM Card (2x15 locations) along with data package	30	
4.	Data Card (Dongle - 2x15 locations) along with data package	30	
5.	Decoder & Aggregator unit	1 setup	
6.	Firewall	1	
7.	L3 switch	1	
8.	Streaming server hardware & its accessories	1	
9.	OS & Application Software for streaming server	1	
10.	Internet leased line	1	
11.	Network Attached Storage	1	
12.	Accessories (Networking/ Electrical/etc.)	As per site requirements	
13.	Installation & Commissioning	As per site requirements	

Note: Before arriving of bill of final materials, bidder is advised to carry out necessary field/site survey for various aspects and quote all the required items accordingly. If any additional requirement arises during implementation of the project, same should be supplied without any additional cost by the bidder

If the bidder prefers to supply higher specification the same will be considered without added cost as above said.

XIII. Schedule for Forms

The bidder is hereby informed to duly fill and submit with necessary signature and seal as mentioned in Form-1 to Form-14 and these should be enclosed in the technical bid of the tender document without fail, otherwise bid is liable for rejection.

Form 1 – Model Form for EMD

Project Name:

(To be issued by a bank scheduled in India having at least one branch in Chennai)

Whereas..... (Here in after called “the Bidder”) has submitted its bid dated.....(Date). For the execution of..... (Here in after called “the Bid”) KNOW ALL MEN by these presents that WE of having our registered office at..... (Here in after called the “Bank”) are bound unto the Department (hereinafter called “Buyer”) in the sum of..... for which payment well and truly to be made to the said Buyer itself, its successors and assignees by these presents.

The conditions of this obligation are:

- a. If the bidder withdraws his bid during the period of bid validity or
- b. If the bidder, having been notified of the acceptance of his bid by the Buyer during the Period of bid validity:
 - 1) Fails or refuses to execute the contract form if required; or requirement;
 - 2) Fails or refuses to furnish the performance security, in accordance with the bid requirement;
- c. bidder submits fabricated documents

This guarantee of Rs. -----/(in words -----) will remain in force up to.....and any demand in respect thereof should reach the Bank not later than the above date. The department have all rights to forfeit this EMD amount in portion or whole without any concurrence of the bidder. The Department will not release EMD amount or cancel this Bank guarantee without the notice of the bidder.

Place:

Date:

Signature of the Bank Official with Seal

TENDER NO:

Form 2 – Undertaking on Total Responsibility

<Location, Date>

To
The Deputy Inspector General of Police,
Technical Services,
DGP office complex, KamarajarSalai,
Chennai-04.

Sir/Madam,

Sub: Self-certificate regarding Total Responsibility

This is to certify that we undertake total responsibility for the successful and defect free operation of the proposed supply of all items as per the requirements of the tender vide referenceDt..... and its corrigendum& clarifications. We undertake that if any variations/defects/faults are noticed, then it will be addressed immediately as per the requirement of this tender and fully comply the requirement of the department at all time i.e during warranty time to provide necessary support.

Thanking you,

Yours faithfully

(Signature of the Authorized signatory of the Bidder)

Name :

Designation :

Date :

Time :

Seal :

Business Address :

Form 3 – Letter of Authorization

To

The Deputy Inspector General of Police,
Technical Services,
DGP office complex, Kamarajar Salai,
Chennai-04.

Sir/Madam,

Sub: Letter of Authorization for signing and submission of this bid – Reg.

M/s. _____ (bidder) is herewith authorizing
Mr./Ms.for preparing this bid
and signing wherever required in this tender document based on resolution passed and
approved by this company.

2) I/We _____ (Bidder) certify that the company is
whole responsible for any mistakes / disputes arising for submission of this tender. In
case of violation of any of the conditions above, I/We _____ Understand that
I/ We are liable to be terminated at any stage and blacklisted.

Place:

Date:

Authorized Signatory's Signature:

Authorized Signatory's Name and Designation:

Bidder's Company Seal:

TENDER NO:

Form 4 – Letter of Undertaking

To

The Deputy Inspector General of Police,
Technical Services,
DGP office complex, Kamarajar Salai,
Chennai-04.

Sir/Madam,

Sub: Undertaking for participation in this Tender – Reg.

Ref: Tender No:

I/We ----- have gone through the all Terms and Conditions, Scope of Work, Specification and will abide by them (Tender Documents, Technical bid and Price Bid) based on the site study and requirements.

2) I/We ----- hereby confirm that our Company was not blacklisted by any State Government/ Central Government/ Public Sector Undertakings during the last three years. We also hereby confirm that our EMD/SD was not forfeited by any State Government / Central Government / State or Central Public Sector Undertakings during the last three years due to our non-performance, noncompliance with the tender conditions etc.

3) I/We ----- hereby declare that all the particulars furnished by us in this Tender are true to the best of my/our knowledge and we understand and accept that if at any stage, the information furnished is found to be incorrect or false, we are liable for disqualification from this tender and also are liable for any penal action that may arise due to the above.

4) I/We _____ certify that we are liable and responsible for any disputes arising out of Intellectual Property Rights.

5) In case of violation of any of the conditions above, I/We.....Understand that I/ We are liable to be terminated at any stage and blacklisted.

Yours faithfully

for _____

Signature

Name:

Designation:

Seal

Note:

1. Declaration in the company's letter head should be submitted as per the format given above.
2. If the bidding firm has been blacklisted earlier by any State Government / Central Government or Public Sector Undertakings, then the details should be provided.

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:**Form 5 – General Information form**

Sl. No.	Information	Details to be Furnished
1	Name of the Company	
2	Date of Incorporation (Registration Number & Registering Authority)	
3	Legal Status of the Company in India & Nature of Business in India	
4	Address of the Registered Corporate Office in India	
5	Address of the Registered Regional or Branch Office in India	
6	Date of Commencement of Business	
7	Name & e-mail id, phone number, fax of the Contact Person	Name: Designation: Phone: Mobile: Fax: Email:
8	Web-Site of the company	

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

Form - 6- Declaration Regarding Clean Track Record

To

The Deputy Inspector General of Police,
Technical Services,
DGP office complex, Kamarajar Salai,
Chennai-04.

Sir/Madam,

Sub: Self-declaration regarding clean track record – Reg.

I have carefully gone through the Terms & Conditions contained in the Tender Document [No._____]. I hereby declare that my company has not been debarred/ black listed as on Bid calling date by any Central or State Government/ Quasi Government Departments or Organizations in India for non-satisfactory past performance, corrupt, fraudulent or any other unethical business practices. I further certify that I am competent officer in my company to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Printed Name

Designation

Seal

Date:

Business Address:

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

Form - 7: Combined Turnover for last three years:

Sl. No.	Financial Year	Annual Turnover of Bidder in Rs.	Page No. reference to the supporting document
1	2020-21		
2	2019-20		
3	2018-19		
Total Turnover for 3 years (A= Sum of Sl. no. 1 to 3)			
Average Turnover (B=(A) / 3) (for above three years)			

Specify Average Annual Turnover in
Words.....

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

Form 08: ISO Certification (If having please specify)

Name of the Company	Name of Certification	Name of Certificate issuing Authority	Name of the entity to which the certificate is issued	Certificate issue date	Certificate expiry date	Page no. reference in the proposal
	Details of valid ISO or its equivalent					

Note: Valid ISO Certificate should be submitted without fail

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:**Form – 09 – Webcasting setup - Supply, Installation and maintenance-Experience**

Sl. No.	Description	Details to be specified by the bidder	Page No. (required reference details w.r.t to attached documents)
1.	Name of the project/supply		
2.	Name of the company/organization		
3.	Specify the various items supplied under the said project/supply		
4.	Type of client (Whether any kind of State / Central Govt. or PSU)		
5.	Type of Project		
6.	Status of project/supply		
7.	Value of the project /supply in Rs.		
8.	Project/Supply Location with contact details of that client		
9.	Project/supply scope		
10.	No. of Webcasting setup Supplied		

Note: For Each project separate Form-09 has to be submitted.

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:**Form –10: Technical Team Profile Credentials**

(For project execution of this tender & co-ordination till completion of work)

Sl. No.	Roles required for the activity	No. of staff available / deputed for this project	Name of the each staff with qualification	Average Prior Experience in Years for each staff
1.	Project Engineers details (please specify)			
2.	Implementation Engineers details (please specify)			
3.	Service / Support Engineers details (please specify)			
4.	Any other... please specify			

SIGNATURE OF THE TENDERER WITH DATE & SEAL

Form-11: Proposed Work Plan

[illegible]

- Indicate all main activities of the assignment, including delivery of reports (e.g.: inception, interim, and final reports), and other benchmarks such as Purchaser approvals. For phased assignments indicate activities, delivery of reports, and benchmarks separately for each phase.

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

Form –12 - Manufacturers'/Producers' Authorization Form/Supply/Support Services

(This form has to be provided by the OEM only to the participating bidder

<Location, Date>

To

The Deputy Inspector General of Police,
Technical Services,
DGP office complex, Kamarajar Salai,
Chennai-04.

Dear Sir/Madam:

Sub: OEM Authorization Letter – Reg.

Ref: Your Tender Ref: [.....] dated [.....]

We, who are established and reputable manufacturers / producers of _____ having factories / development facilities at (*address of factory / facility*) do hereby authorize M/s _____ (*Name and address of Agent*) to submit a Bid, and sign the contract with you against the above Bid Invitation.

2. We hereby extend our full guarantee and warranty for the Solution, Products and services offered by the above firm against this Bid Invitation. We also hereby certify that the proposed products for this project are not end of life & we shall continue to support the supplied product till end of contract period of the bidder.

3. We hereby declare that we are not insolvent, in receivership, bankrupt or being wound up, our affairs are not being administered by a court or a judicial officer, our business activities have not been suspended and we are not the subject of legal proceedings for any of the foregoing.

4. We also undertake to provide any or all of the following materials, notifications, and information pertaining to the Products manufactured or distributed by the Supplier:

- a. Such Products as the Bank may opt to purchase from the Supplier, provided, that this option shall not relieve the Supplier of any warranty obligations under the Contract; and
- b. In the event of termination of production of such Products:
 - i. advance notification to the Bank of the pending termination, in sufficient time to permit the Bank to procure needed requirements; and
 - ii. Following such termination, furnishing at no cost to the Bank, the blueprints, design documents, operations manuals, standards, and specifications of the Products, if requested.

5. We duly authorize the said firm to act on our behalf in fulfilling all installations, Technical support and maintenance obligations required by the contract. The quoted product/item will have OEM's direct life cycle/support' period upto from the date of installation and commissioning and it is manufactured or assembled in the year of 2020/2021 only as per the requirement of the department.

Yours faithfully,

(Name)

(Name of Producers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. The Bidder in its Bid should include it.

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TENDER NO:

Form- 13: INCOME TAX & GST REGISTRATION DETAILS

Name of the firm:

Income Tax Details	
PAN No of the firm	
Details of IT returns enclosed	2020-21: (page no) 2019- 20: (page no) 2018- 19: (page no)

GST /VAT Details:-	
GST/VAT Registration No. of the firm:	
Date of Registration: GST/VAT	
Details of Tax returns enclosed	2020-21: (page no) 2019- 20: (page no) 2018- 19: (page no)

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

FORM: 14 - BANK COMFORT LETTER

(Should be submitted on Banker's Letterhead)

To
The Deputy Inspector General of Police,
Technical Services,
DGP Office Complex, Kamarajar Salai,
Chennai-04.

Dated:

Sir/Madam,

This is to confirm that our clients (namely)..... maintain banking account with us. At their instructions we,(full name of the Bank) with full authority and mandate, hereby confirm by the information and records which are disclosed and available with us, that the said clients are willing and financially able to initiate the process of supply, installation and commissioning of thefloated vide tender reference number L1/MPF/PTB/..... .We understand the total value of imports/ supplies for the above said project is around Rs...../-Lakhs (Rupees..... Only).

2. We certify that our clients named above have sufficient funds and have credit line with our bank to complete the proposed project and furnishing the following details as required by the department for the proposed tender.

(i) Composition of the Client Company (whether Partnership/ Private Limited/ Proprietorship/ Public Limited.):

(ii) Name of the Proprietor/ Partners/ Directors of the Client Company:

(iii) Company/client's Name as written in account:

(iv) Account No / IBAN:

(v) MICR Code:

(vi) Bank Telephone Number:

(vii) Bank's Fax Number:

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

(viii) Bank SWIFT:

(ix) Transactions of the Client Company for the last 3 financial years (year wise).
(Debits/Credits)

2020- 21

2019- 20

2018- 19:

(x) Credit facility/ Overdraft facility enjoyed by the Company:

(xi) The period from which the Client Company has been banking with your bank:

(xii) Copy of last six month banking Statement of the company:

(xiii) Any other remarks:-

3. We also declare that our confirming bank _____ is a Nationalized/Notified Private bank in India. Our clients hereby give authority to the Tamil Nadu to procure usual banker's references from our bank officer _____ (full name of the bank officer) whose direct phone number is _____.

With regards,

(Signature & Seal of Banking issuing authority)

Full name of the
Signatory:

Designation of the
Signatory:

For the Bank Note: The above letter should be on letter head of the Bank and addressed to the Deputy Inspector General of Police, Technical Services, Chennai - 04. In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

XIV. Schedule for Delivery & Deployment of Equipment with Accessories

(As per scope of work, Specifications & site requirement for the site. It is subject to Change as per requirement of the department)

Sl.No	Name of the item	Qty.	Place of supply, installation, commissioning & maintenance
1.	"Purchase of Webcasting equipment for all Police Ranges, Commissionerates and Headquarters"		Field units and state police headquarters. (List will be furnished on finalization).

Important Note: - The above delivery & deployment list is a tentative. Actual location will be communicated to the successful bidder.

I.....of...M/s.....hereby agree to deliver the equipment/spares/components and accessories at the locations prescribed above based on technical specification in Schedule-IX and scope of the project requirement.

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TENDER NO:

XV. Schedule for Commercial Bid

(Should be submitted in envelope -2)

Technical Services

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

XV.SCHEDULE FOR COMMERCIAL BID

Sl. No	Name of the article (Should comply specification specified in Schedule – IX)	Qty. (A)	Ex- factory / Ex-warehouse / ex-showroom / off the shelf unit price (B)	Packing &forwarding charges in Rs. (C)	Inland transport & Insurance (if any) In Rs. (D)	Incident al services etc. inRs. (E)	Customs duty in Rs. (F)	Net Unit Price In Rs. (G) = (B+C+D+E +F)	GST on Unit price (H)	Unit price with GST (I) = (G+H) in Rs.	Total price (J)= (A)x(I) in Rs.
	Purchase of Webcasting for all Police Ranges, Commissionerate and Headquarters										
1.	Video Camera	15									
2.	Encoder & bonding unit	15									
3.	SIM Card (2x15 locations) along with Data package for 3 years	30									
4.	Data Card (Dongle - 2x15 locations) along with Data package for 3 years	30									
5.	Decoder & Aggregator unit	1 setup									
6.	Firewall	1									
7.	L3 switch	1									

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

8.	Streaming server hardware & its accessories	1									
9.	OS & Application Software for streaming server	1									
10	Internet leased line(for 3 years)	1									
11	Network Attached Storage	1									
12	Accessories (Networking/ Electrical/etc.)	As per site requirement									
13	Installation & Commissioning	As per site requirement									
	Total										
	Specify in words for Total: Rupees.....										

Important Note:

- Before arrival of commercial quotes for all the items, bidder is required to carefully check the specification mentioned in this tender for scope of work. Also conduct required site inspection without fail. If any additional, items/components are required during implementation, then bidder is responsible and same should be provided at the cost of bidder only.
- Above table should be prepared as per requirement and submitted.

SIGNATURE OF THE TENDERER WITH DATE & SEAL

XVI: Checklist

Sl. No.	Description	Whether submitted/ Complied by the bidder (To be submitted along with the bid)	Verification by Tender Inviting Authority (At the time of opening of bid)
	<u>In Envelop -1:</u>	Yes/No	
1.	Signed Top Sheet: Schedule -I	Yes/No	
2.	Undertaking for Supply of articles	Yes/No	
3.	Enclosed EMD or submitted necessary Exemption Certificate a) Sl.No. of BG/DD _____ b) Date _____ c) Name of the Bank _____	Yes/No	
4.	Signed Schedule-II (a) - General Instructions and method of evaluation	Yes/No	
5.	Signed Schedule-II (b) - Undertaking for the execution of the project	Yes/No	
6.	Signed Schedule III- Scope of work	Yes/No	
7.	Signed Schedule IV- Product description & details required for various items/ components/ equipment quoted in the project along with leaflets & other documents as specified.	Yes/No	
8.	Signed Schedule V – List of Documents required	Yes/No	
9.	Signed Schedule VI for time of completion of the project	Yes/No	
10.	Signed Schedule VII - Details about the company & its execution team with profile	Yes/No	
11.	Signed Schedule VIII– Details for previous items/ project experience with required documents.	Yes/No	

SIGNATURE OF THE TENDERER WITH DATE & SEAL

TENDER NO:

12.	Signed and fully complied Schedule-IX and filled documents for Specification for all the items mentioned.	Yes/No	
13.	Enclosed details on Service & Maintenance infrastructure as per Schedule-X.	Yes/No	
14.	Signed on all pages in Schedule-XI (Important conditions)	Yes/No	
15.	Signed Schedule-XII – Bill of Materials for the project	Yes/No	
16.	Signed the Schedule XIII (Form 1 to 14)	Yes/No	
17.	Enclosed the PAN, GST Registration Certificates and audited balance sheets for last three years	Yes/No	
18.	Schedule XIII (Form-1) for signed Model form of EMD. Necessary EMD should be attached.	Yes/No	
19.	Schedule XIV for delivery & deployment equipment with accessories.	Yes/No	
20.	Signed in all the pages at bottom along with date and seal of the company (including check list).	Yes/No	
	<u>In Envelop:2</u>		
1.	Signed Top Sheet: Schedule -I	Yes/No	
2.	Signed Schedule-XV for Commercial Bid as per requirement in envelope-2	Yes/No	
3.	Signed in all the pages at bottom along with date and seal of the company (including check list).	Yes/No	

SIGNATURE OF THE TENDERER WITH DATE & SEAL