



Punyashlok Ahilyadevi Holkar Solapur University, Solapur

E – Tender

For

**Supply, Installation, Testing & Commissioning
(SITC) of CCTV Infrastructure, at Punyashlok
Ahilyadevi Holkar Solapur University, Solapur.**



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Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Website - <https://www.sus.ac.in>

e - Tender Notice

Punyashlok Ahilyadevi Holkar Solapur University, Solapur – 413255 (Tel.& Fax. 0217-2744771/78) invites e-Tender for the purchase of **Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure, at Punyashlok Ahilyadevi Holkar Solapur University, Solapur with support for 3 years** from original manufacturer / authorized dealer. The detail of e-tender as follows:

Item Description	EMD amount	Cost of e-Tender form
Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure with support for 3 years	Rs. 1,00,000 /- (Refundable)	Rs. 10,000/- (non-refundable)

e- Tender Time Table

1.	e – Tender Publishing Date	Date: 17/04/2025	Time: 05.00
2.	Tender Sale/ Download Start Date and Time	Date: 17/04/2025	Time: 05.00
3.	Bid Submission Date and Time	Date: 17/04/2025	Time: 05.00
4.	Closing date and of e-/tender	Date: 07/05/2025	Time: 04.00
5.	Pri-Bid Meeting	Date: 23/04/2025	Time: 05.00
5.	Date and place of online opening of E-Tender (Technical Bid opening Date)	Date: 09/05/2025 Time: 04.00 P.A.H. SOLAPUR UNIVERSITY, SOLAPUR, Solapur Pune-National highway Kegaon, Solapur 413255.Telephone-0217- 2744771/78(Ext-133).	
6.	Online /Tender Fee & EMD Submit Online payment	EMD & e-Tender form fee should Submit Online	



Punyashlok Ahilyadevi Holkar Solapur University, Solapur

E - Tender Form

For Supply, Installation, Testing & Commissioning (SITC) of CCTV
Infrastructure with support for 3 years

- 1) Name of Bidder :
- 2) Full Address :
- 3) Mobile :
- 4) E-mail ID :
- 5) G.S.T. No. :
- 6) PAN No. :

Seal & Signature of Vendor



Punyashlok Ahilyadevi Holkar Solapur University, Solapur

TENDER INFORMATION

Name of Work: – Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure with support for ३ years

1. TENDERING PROCEDURE

1. GUIDELINE TO BIDDER ON THE OPERATION OF ELECTRONIC TENDERING SYSTEM OF P.A.H. SOLAPUR UNIVERSITY, SOLAPUR.

1.1 BLANK TENDER FORMS

Tender form can be downloaded from the e- tendering portal Government of Maharashtra i.e. <https://mahatenders.gov.in/nicgep/app> after entering the details of payment towards tender fees as per the Tender Schedule.

1.2 The prospective Bidders are free to ask for any additional information or clarification either in writing or orally concerning the work, and the reply to the same will be given by the Registrar, P.A.H. Solapur University, Solapur, 413255 and same will be made available on e-tendering portal of Government of Maharashtra i.e. <https://mahatenders.gov.in/nicgep/app> and this clarification referred to as common set of conditions/deviations (C.S.D.), shall form part of tender documents and which will also be common and applicable to all Bidders.

1.3 The tender submitted by the Bidders shall be based on the clarification and shall be unconditional. Conditional tenders will be summarily REJECTED.

1.4 All Bidders are cautioned that tenders containing any deviation from the contractual terms and conditions, specifications or other requirements and conditional tenders will be treated as no responsive.

- 1.5 Bidders should have valid class II/III Digital Signature Certificate (DSC) obtained from any Certifying Authorities. In case of requirement of DSC, interested Bidders should go to <https://mahatenders.gov.in/nicgep/app> and follow the procedure mentioned in the document 'Procedure for application of digital certificate'
- 1.6 For any assistance on the use of Electronic Tendering System (ETS), users may call the number: 24x7 Help Desk Toll FREE No-0120-4200462/4001002
- 1.7 Bidder should install the mandatory components available on the home page of <https://mahatenders.gov.in/nicgep/app> under the section 'Mandatory Components' and make the necessary Browser Settings provided under section 'Internet Explorer Settings'
- 1.8

2. PRE-REQUISITED TO PARTICIPATE IN THE TENDERS

2.1 ENROLMENT AND EMPANELMENT OF CONTRACTORS ON ELETRONIC TENDERING SYSTEM:

The contractors interested in participating in the Tenders of P.A.H. Solapur University, Solapur process by using the Electronic Tendering System shall be required to enrol on <https://mahatenders.gov.in/nicgep/app> the Electronic Tendering System to obtain user ID.

After submission of application for enrolment on the system, the application information shall be verified by the authorized representative of the service provider. If the information is found to be complete, the enrolment submitted by the contractor shall be approved. The contractors may obtain the necessary information on the process of enrolment either from Helpdesk Support team or enrol directly on web site <https://mahatenders.gov.in/nicgep/app>.

2.2 OBTAINING A DIGITAL CERTIFICATE

The digital certificates are issued by an approved Certifying Authority Authorized by the Controller of Certifying Authorities of Government of India through their Authorized Representatives upon receipt of documents required to obtain a Digital Certificate Bid data/information for a particular Tender may be submitted only using the Digital Certificate which is used to encrypt the data during the Bid preparation. In case during the process of preparing and submitting a Bid for a particular tender, the contractor loses his/her Digital Signature Certificate (i.e. due to virus attack, hardware problem, operating System problem): he/her may not be able to submit the Bid online. Hence the Users are advised to store his/her Digital Certificate secure and if possible, keep a backup at safe place under adequate security to be used in case of need.

In case of online tendering, if the Digital Certificate issued to an Authorized User of a partnership firm is used for signing and submitting a bid, it will be considered equivalent to a no objection certificate / power of attorney to that user to submit the bid on behalf of the partnership Firm. The partnership firm has to authorize a specific individual by an authorization certificate signed by a partner of the firm (and in case the applicant is a partner, another partners required to authorize in the same form) to use the digital certificate as per Indian Information Technology Act 2000.

Unless the Digital Certificate is revoked, it will be assumed adequate authority of the Authorized user to bid on behalf of the firm for the tenders processed on the Electronic Tender Management System of Government of Maharashtra as per Indian Information Technology Act, 2000. The Digital signature of this authorized user will be binding on the firm. It shall be the responsibility of partners of the firm to inform the certifying authority or sub-certifying authority, if the Authorized user changes, and apply for a fresh Digital Signature Certificate. The procedure for application of a Digital Signature Certificate will remain the same for the new authorized user.

The same procedure holds true for the Authorized Users in Private / Public Limited Company. In this case, the Authorization Certificate will have to be signed by the Director of the Company or the reporting authority of the applicant. For information of the process of application for obtaining Digital Certificate, the contractors may visit the section 'Digital Certificate' on the home page of the electronic tendering system.

3. STEPS TO BE FOLLOWED BY BIDDER TO PARTICIPATE IN THE E-TENDERS

3.1 PREPARATION OF ONLINE BRIEFCASE

All contractors enrolled on the Electronic Tendering System of Government of Maharashtra are provided with dedicated briefcase facility to store documents/files in digital format. The contractors can use the online briefcase to store their scanned copies of frequently used documents/files to be submitted as a part of their bid response. The contractors are advised to store the relevant documents in the briefcase before starting the Bid Preparation and submission stage. In case the contractors have multiple documents under the same type. (e.g. multiple work completion certificates) as mentioned above, the contractors advised to either create a single pdf file of all the documents of same type or compress the documents in a single compressed file in zip rar formats and upload the same. It is mandatory to upload the documents using the briefcase facility. Therefore the contractors are advised to keep the documents ready in the briefcase to ensure timely bid preparation.

Note : Uploading of document in the briefcase does not mean that the documents are available to P.A.H. Solapur University, Solapur at the time of tender opening stage unless the documents are specifically attached to the bid during the online bid preparation as well as during decryption.

3.2 ONLINE VIEWING OF DETAILED NOTICE INVITIING TENDERS

The contractors can view the detailed tender notice along with the time schedule (Key Dates) for all the live Bidders released by P.A.H. Solapur University, Solapur on the e- Tendering portal on <https://mahatenders.gov.in/nicgep/app> under the organization of P.A.H. Solapur University, Solapur.

3.3 DOWNLOAD OF TENDER DOCUMENTS

The pre-qualification/Main Bidding documents are available for free downloading. However to participate in the online Bidder, the bidder must purchase the bidding documents online.

3.4 ONLINE BID PREPARATION

Submission of bids will be preceded by online bid preparation and submission of the digitally signed within the tender time schedule (Key dates) published in the detailed notice inviting tender. The bid data is to be prepared in the templates provided by the tendering authority of P.A.H. Solapur University, Solapur. In the unloadable document type of templates, the contractors are required to select the relevant document/compressed file (containing multiple documents) already uploaded in the briefcase.

3.5 SHORT LISTING OF CONTRACTORS FOR FINANCIAL BIDDING PROCESS

The tendering authority will first open the technical bid documents of all contractors and after scrutinizing these documents will shortlist the contractors who are eligible for financial Bidding Process.

3.6 OPENING OF THE FINANCIAL BIDS

The contractors may be present in the office of the Tender opening authority at the time of opening of Financial Bids. However, the results of the Financial Bids of all contractors shall be available on the P.A.H. Solapur University, Solapur e-tendering Portal immediately after the completion of opening process.

3.7 TENDER SCHEDULE (KEY DATES)

The contractors are strictly advised to follow the dates and times allocated to each stage under the column "Contractor Stage" as indicated in the Time Schedule in the detailed tender notice for the Tender. All the online activities are time tracked and the electronic tendering System enforces time-locks that ensure that no activity or transaction can take place outside the start and end dates and time of the stage as defined in the tender schedule. At the sole discretion of the tender authority, the time schedule of the tender stages may be extended.

4. SUBMISSION OF DOCUMENTS AND TENDER OPENING:

4.1 COVER I : DOCUMENTS TO BE UPLOADED AT THE TIME OF ONLINE SUBMISSION FOR FULFILLING QUALIFYING CRITERIA

Scanned copies of the following documents shall be uploaded by the bidder in cover no.1 at the time of online submission of the bid:

Sr. No	Eligibility Criteria to Participate	Supporting Documents
1	The bidder should be registered under Indian Companies Act, 1956 / partnership / LLP or proprietorship.	Scan Copy of certificate
2	Bidder should have GST Registration.	Scan Copy of certificate
3	The bidder company or firm should have Annual Average turnover of minimum Rs. 1 Crore for last three financial years i.e. FY 2021-22, 2022-23 & 2023-24	Copy of Turnover Certificate from certified CA
4	Bidder should have executed orders fulfilling below mentioned criteria, in Government Organization / ULBs / PSUs / Universities in the last 5 financial years.:	Copy of relevant Work Order/ PO
	A. Single order of Supply, Installation, Testing & Commissioning (SITC) of IP based CCTV Infrastructure for a single client, of value not less than 70 Lakhs.	
	OR	
	B. Two orders of Supply, Installation, Testing & Commissioning (SITC) of IP based CCTV Infrastructure for a client, of value not less than 50 Lakhs each.	
	OR	
	C. Three orders of Supply, Installation, Testing & Commissioning (SITC) of IP based CCTV Infrastructure for a client, of value not less than 35 Lakhs each.	
5	The bidder must have an office in Maharashtra.	Copy of relevant Document
6	The bidder should submit the MAFs for NVR, CCTV & Switch from respective OEMs as per their proposed solution as per (Annexure – II). Non submission of any MAF will lead to rejection of bid.	Copy of Manufacturer's Authorization Forms (MAF) as per Annexure II
7	The bidder as to provide clause by clause compliance from respective OEM on OEM's letterhead for all technical specifications mentioned in clauses, as per Annexure I. Non-Compliance of any clause will lead to rejection of bid.	Copy of compliance sheet as per Annexure I
8	The bidder has to provide all relative documents as per required in OEM's pre-qualification criteria. Non submission of any document will lead to rejection of bid.	Copy of relevant Documents
9	Site survey report is to be submitted with stamp & sign from the authority, during bid submission, as per (Annexure – VII)	Copy of Survey report as per Annexure-VII
10	Self-declaration in the given format from bidder in respect of black listing of their companies as per (Annexure – VI)	Copy of Self declaration as per Annexure-VI

Additional Documents to be submitted in cover-I as per Formats attached:

- 4.1.1 Scan copy of Annexure-I should be given. (Technical Specifications)
- 4.1.2 Scan copy of Annexure-II (Manufacturer Authorization form - MAF)
- 4.1.3 Scan copy of Annexure-III (Bid form)
- 4.1.4 Scan copy of Annexure-IV (Service Report Details)
- 4.1.5 Scan copy of Annexure-V (Forwarding Letter on company letter head)
- 4.1.6 Scan copy of Annexure-VI (Self declaration on the notary format on Rs.500/- stamp paper)
- 4.1.7 Scan copy of Annexure-VII (Site Survey Report)

IMPORTANT POINTS FOR THE BIDDER:

- a. The bidders fulfilling all the above criteria and conditions, with satisfactory documented evidences, will only be qualified for their financial bid opening.
- b. The cost of the site survey and relevant activities is to be borne by the bidder only.
- c. **Hard Copy of Documents uploaded in Technical Bid, should be sent to PAH Solapur University Solapur within 1 week (7 Days) after last date of tender submission else technical bid will not be valid.** (The tenderer shall submit the one copy of the tender document and addenda thereto, if any, with each page of this document signed and stamped to as a proof to confirm the acceptance of entire terms & conditions of the tender by the tenderer. The bid of any tenderer who has not complied with one or more of the conditions of eligibility criteria and / or fail to submit the required documents as required / or mentioned in tender document are liable to be summarily rejected. The PAHSU reserves the right to reject any or all tenders, wholly or partly or close the tender at any stage prior to the award of contract without assigning any reason whatsoever.)

4.2 Cover II: FINANCIAL BID

The Bidder shall quote his financial offer duly signed in terms of item rates at the appropriate place of tender template in Excel Format File **Supply, Installation, and Testing & Commissioning (SITC) of CCTV Infrastructure with support for 3 years** (Annexure-VIII). It shall be filled in cover No.2 (In the Online Excel Format File). The Bidder should not quote his financial offer anywhere directly or indirectly in Envelope no 1. The bidder shall quote for the work as per details given in the Tender document and also based on the detailed set of conditions issued/additional stipulations made by the P.A.H. Solapur University, Solapur and made available to him on www.mahatenders.gov.in. The tender shall be unconditional. Financial bid will be opened only after bidder qualify technically (i.e. criteria's mentioned in 4.1).

4.3 SUBMISSION OF TENDER

The bidder shall refer to section "Guidelines to Bidders on the operations of Electronic Tendering System of <https://mahatenders.gov.in/nicgep/app> for details.

4.4 OPENING OF TENDERS:

On the date, specified in the Tender Schedule following procedure will be adopted for opening of the Tender.

(A) Cover No.1 TECHNICAL BID

First of all cover No.1 of the Bidders will be opened online to verify its contents as per requirements. If the various scanned documents do not meet the qualifying criteria prescribed by the P.A.H. Solapur University, Solapur, a note will be recorded accordingly by the tender opening committee and the said Bidders Cover No.2 will not be considered for further action and the same will be recorded. The decision of the tender opening committee in this regard will be final and binding on the bidders.

(B) Cover No. 2 FINANCIAL BID

Cover No. 2 shall be opened online after opening of Cover No.1 Only. If the documents submitted in Cover No.1 meet the qualifying criteria prescribed by the P.A.H. Solapur University, Solapur and contents of Cover No.1 are found to be acceptable to the P.A.H. Solapur University, Solapur. The quoted rates of the items in the Financial Bid of the bidder shall then be read out from the template in the presence of bidders present at the time of opening of Cover No. 2.

NOTE: - Commissioning Prices quoted by the bidders should include all local taxes, duties, Levies, installing, transportation costs and insurance costs etc till the equipment is accepted.

5. EARNEST MONEY DEPOSITE (EMD)

Earnest Money of Rs. 1,00,000/- shall be paid through online system. Scanned copy of the receipt of EMD shall be uploaded in Envelope No. 1 online. In case of successful bidder the Earnest money will be refunded after paying the initial security deposit and completing the tender documents by the bidder. The amount of Earnest Money will be forfeited to the University in case the successful bidder does not pay the amount of initial security deposit within specified time limit.

6. PERFORMANCE SECURITY DEPOSIT

Earnest Money Deposit credited along with tender shall be converted as a performance security deposit and successful bidder shall have to credit remaining balance amount of performance security deposit or SD 5 % of purchase order shall be deposited either in Cash through NEFT/RTGS or DD of Nationalized bank or in form of B.G of Nationalized Bank payable Solapur should be valid till 60 days after warranty period. On successful completion of contract security deposit amount will be refunded to the contractor without interest after expiry 60 days from the expiry of warranty.

7. TIME LIMIT

The work period as specified in the N.I.T. (Notification Inviting Tenders) which shall be Reckoned from the date mentioned in the written work order for commencing the work.

8. TENDER RATE

No alteration in the form of tender and in any schedule/Annexure of tender and no Additions in the scope of special stipulation will be permitted.

9. TENDER UNITS

The bidders should particularly note the unit mentioned in the “Annexure – VII / Schedule “B” on which the rates are based. No change in the units shall be allowed.

10. CORRECTIONS

No corrections/alternations shall be made in the tender documents.

11. TENDER ACCEPTANCES:

The Bidders whose bid is lowest, the successful shall submit all the attested copies of the scanned documents uploaded online by him in Cover No.1 to the office of address The Registrar, P.A.H. Solapur University, Solapur after opening of financial bids. If all above documents meet the requirements of University, further process will be carried out. The decision of the tender opening authority in this regard will be final and binding on the contractor.

Acceptance of tender will rest with the University Authorities, P.A.H. Solapur University, Solapur. P.A.H. Solapur University, Solapur reserves the right to reject any or all tenders without assigning any reason therefore at any stage of tender. The Bidders whose tender is accepted will have to deposit security deposit and enter in to an agreement within 15 days of being notified to do so. In case of failure on the part of Bidders to sign the agreement within the stipulated time, the earnest money paid by him shall stand forfeited to the University and the offer of the Bidders shall be considered as withdrawn by him.

12. VALIDITY PERIOD

The offer shall remain open for acceptance for minimum period of 180 days from the date of opening of cover no. 2 (Financial Bid) and thereafter until it is withdrawn by the bidder by notice in writing duly addressed to authority opening the tender and sent by Registered Post Acknowledgement due.

General Terms and Conditions

(These terms and conditions are generic in nature, which have been mentioned for the knowledge of the bidders and may be changed to specific terms and conditions with necessary changes with each Purchase Order (PO) as and when applicable.)

All terms and conditions of Government of Maharashtra resolutions of 01/12/2016 & 24/8/2017, will be totally applicable for this tender.

1. Delivery and Installation

- 1.1 The Bidder should have contact center (central or location wise) in order to log the calls on 24 x 7 x 365. They should also provide onsite support on 24 x 7 x 365 basis. The contact center numbers should be provided to the University along with the escalation matrix mentioning the contact person's name, number and designation in the company.
- 1.2 All the hardware and software along with necessary instruments as may be required for Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure, at Punyashlok Ahilyadevi Holkar Solapur University, Solapur so supplied by the Bidder should come with 3 Years Free Product Warranty, Onsite Service/ Support.
- 1.3 The Bidder should deliver & implement the CCTV infrastructure within stipulated time within 3 Months from the date of Purchase Order.
- 1.4 Delivery of the CCTV material shall be made by the supplier in accordance with the terms of the Purchase Contract. The bidder should take responsibility of the Goods till it reaches the delivery destination as informed by the P.A.H. Solapur University, Solapur. Transport to such place of destination in India, including insurance and storage as shall be specified in the contract, shall be arranged by the Supplier. Bidder shall organize the Road Permits wherever required.
- 1.5 The Bidder should install the CCTV components within 8 weeks, from the date of delivery. The appropriate points for installation of CCTV should be suggested by the successful bidder and the same shall be installed as per the map and if required as per the approval of this university.
- 1.6 The P.A.H. Solapur University, Solapur will consider the inability of the Bidder to deliver or install the equipment within the specified time limit, as a breach of contract and would entail the payment of Liquidation Damages on the part of the Bidder. The liquidation damages represent an estimate of the loss or damage that the P.A.H. Solapur University, Solapur may have suffered due to delay in performance of the obligations (relating to delivery, installation, operationalization, acceptance, warranty, maintenance etc. of the deliverables) by the Bidder.
- 1.7 The P.A.H. Solapur University, Solapur shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum as specified in Special Terms and Conditions.
- 1.8 Products shall be supplied in a ready to use condition along with all accessories mentioned in specifications etc.
- 1.9 While executing the proposed work, bidder shall take all possible precautions not to cause damage to

the property of University either by his workmen and or by use of machinery. If the damage is caused to the University property the bidder shall be held responsible and it shall be his duty to repair /replace the damaged part of the property or the pay the damages.

1.10 It shall be the duty of the Successful Bidder to take care of the machinery and workman engaged for the proposed work. For this work the university shall not be held responsible for any loss or damage of the machinery or accident of workman during the period of work.

1.11 If the bidder fails to submit the statutory compliance report as mentioned in the Annexure-I, the University has right to withhold the payment of the bill submitted by the Successful bidder. The University will release the payment after verification of all concerned documents submitted by the agency.

1.12 For non-completion of the work within stipulated time as mentioned in the tender document, the university has every right to take any other necessary action or to impose penalty as it deems fit just and proper.

2.0 For non-completion of the work within stipulated time as mentioned in the tender document, the university has every right to take any other necessary action or to impose penalty as it deems fit just and proper.

1. Bill Payments & Compliance

1.1 Bidder will be required to furnish the documentary proof of delivery, successful installation report and acceptance duly signed by P.A.H. Solapur University, Solapur officials while claiming the payment.

1.2 Supplier will be entirely responsible for all applicable present and future duties, levies, charges, license fees G.S.T. etc. in connection with delivery of goods at site including incidental services and commissioning.

1.3 The Bidder must accept the payment terms proposed by the P.A.H. Solapur University, Solapur. The financial bid submitted by the Bidder must be in conformity with the payment terms proposed by the P.A.H. Solapur University, Solapur. Any deviation from the proposed payment terms would not be accepted. The P.A.H. Solapur University, Solapur shall have the right to withhold any payment due the Bidder in case of delays or defaults on the part of the Bidder. Such withholding of payment shall not amount to default on the part of P.A.H. Solapur University, Solapur.

1.4 The standard payment terms of the PAH Solapur University, Solapur are given below.

- i) The Bidder must accept the payment terms proposed by the PAH Solapur University, Solapur.
- ii) The financial bid submitted by the Bidder must be in conformity with the payment terms proposed by the PAH Solapur University, Solapur.

- iii) Any deviation from the proposed payment terms would not be accepted.
- iv) The PAH Solapur University, Solapur shall have the right to withhold any payment due to the Bidder, in case of delays or defaults on the part of the Bidder.
- v) 50 % Payment of supply order will be released after delivery of all items as per PO in good Condition & recommendation given by expert verification committee nominated by the University authority.
- vi) Remaining 38% payment will be released after installation and commissioning performance verified by the expert verification committee and their recommendation report for the payment.
- vii) Balance 12% of the Payment for technical support & maintenance will be distributed in 12 quarters (1% each) and will be raised at the end of each quarter, after completion of Payment

1.5 Bidder should submit bill in two copies showing G.S.T. separately on his letter head.

1.6 Bidder should give bank details on his letter head for on line payments.

1.7 Applicable Taxes will be deducted at prevailing rate while making payments.

2. CCTV Infrastructure Implementation

2.1 All the CCTV Infrastructure components ordered shall be delivered at, PAH Solapur University, At Post – Kegaon, Solapur within 6 weeks from date of issue of Purchase Order as per terms and condition of tender/purchase order. All the aspects of safe delivery and commissioning shall be the exclusive responsibility of supplier. If the supplier fails to deliver and commissioning of the goods on or before the stipulated date, then penalty @ 1% per week of the total order value shall be levied subject to maximum of 10% of total order value. The goods are to be supplied within this stipulated period, failing which the supply order is liable to cancelled.

2.2 Delivery of the CCTV Infrastructure components shall be made by the Supplier in accordance with the terms of the Purchase Contract. The vendor should take responsibility of the Goods till it reaches the delivery destination as informed by the PAH Solapur University, Solapur, transport to such place of destination in India, including insurance and storage, as shall be specified in the contract, shall be arranged by the Supplier. Vendor shall organize the Road Permits wherever required.

2.3 The Vendor/Bidder should successful install and commissioning the CCTV Infrastructure components within 8 weeks, from the date of receipt of material. It means the faultless functioning of equipment. The clearing of the consignment at respective Airport shall be done by supplier. The corresponding shipping documents may be taken accordingly. If there is delay in clearing of the consignment for not giving timely, demurrage (Ware house charges), if applicable has to be paid by supplier.

2.4 Installation will be treated as incomplete in one/all of the following situations:

- 1. Non-delivery of supporting documentation
- 2. Delivery, but no installation of the components and/or software

2.5 The PAH Solapur University, Solapur will consider the inability of the Bidder to deliver or install the equipment within the specified time limit within 3 months, as a breach of contract and would entail the payment of Liquidation Damages on the part of the Bidder.

The liquidation damages represent an estimate of the loss or damage that the PAH Solapur University, Solapur may have suffered due to delay in performance of the Obligations (relating to delivery, installation, operationalization, implementation, Training, acceptance, warranty, maintenance etc. of the deliverables) by the Bidder.

2.6 The PAH Solapur University, Solapur shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum as specified in Special Terms and Conditions

Products shall be supplied in a ready to install for use condition along with all accessories mentioned in specifications etc.

4 TERMINATION OF CONTRACT

4.1 If the successful bidder fails to complete the work within stipulated time within 3 months without any serious cause, the university has every right to terminate the contract.

4.2 If the Successful bidder's workmen misbehave with the University staff, students, university officers the university shall issue a notice to the successful bidder then the successful bidder shall not engage the services of such worker within the university.

4.3 On completion of work or termination of work the bidder shall withdraw the persons and machinery deployed by him in connection with the work mentioned in the tender document from the premises of the University immediately. In case of failure of the successful bidder to do so, the University shall have the right to take appropriate action to remove such persons and or machinery from the University premises by resorting to coercive measures and adopt such course as may be deemed necessary and appropriate for that purpose.

4.4 All the disputes arising between the bidder and University shall be subject to Solapur Jurisdiction only.

5. RISK AND COST

If the successful bidder without any reasonable cause fails to complete the work within stipulated time and if the said work completed by the university by engaging

other successful bidder, then under such circumstances the cost and expenses so incurred shall be recovered from the successful bidder.

6. Force Majeure

Any event or circumstance beyond the control of the Parties, such as war, strike, riot, flood, earthquake, act of God etc. prevents one or both Parties from fulfilling their obligations under the Contract, decision of the Vice Chancellor of the University shall be a final and binding on the both the Parties.

9. The successful bidder shall read carefully all the conditions of the Tender and instructions given in the Tender before quoting his offer in the Financial Bid. He shall read description of work, Scope of work and other necessary statutory compliances and other requirements etc. carefully and then quote accordingly.
- 7.1 The work so assigned shall be strictly completed within the stipulated time. In exceptional cases and circumstances university has every right to take decision for enhancement of the period. The successful bidder shall have all necessary permits/licenses for this work. The successful bidder shall deploy the trained and qualified workmen for completing the work as mentioned herein above. The University will not be responsible for any accident and or any incident happened due to breach of these rules and regulations by the agency.
- 7.2 The successful bidder shall keep The University indemnified against all actions, suits, proceedings, losses, costs, damages, charges, claims and demands in any way arising out of or by reason of anything done or omitted to be done by the bidder or its workers. The bidder would also ensure that its activities do not in any manner disturb officials, teachers, students, residents within the area of university and shall not damage any assets property of the University.
- 7.3 In case, if any dispute regarding interpretation of any clause or term of this contract and any related document, the decision of the Vice Chancellor of The University will be final and binding on both the parties to this tender.
- 7.4 All labor/workmen deployed by the successful bidder at The University shall abide by

the rules and regulations laid down by The University from time to time.

- 7.5 The successful bidder shall ensure that it fully complies with and observes all statutory provisions, rules and regulations laid down by the Government or local body and amendments thereto from time to time.
- 7.6 The University shall not accept and entertain any claim in the event of the successful bidder's workmen sustaining any injury, damage or loss either to person or property or machinery etc. either inside or outside of the University premises. It shall be the sole responsibility of the successful bidder only.
- 7.7 Selection of lowest bidder - If university found more than one lowest bidders (those who quoted the same rate), Selection of the bidder would be made after taking into consideration all the relevant factors like lowest rates, past experience/performance as mentioned above, responsible business practices, highest turnover, competency to execute such contracts, credentials of fulfilment of past work of successful bidder and after taking into consideration the above terms altogether. The University reserves right to select the bidder for contract from the lowest bidders.
- 7.8 The University reserves the right to reject any or all tenders. The University may accept tender in full or part or may award part of the works to different bidders.
- 7.9 The University reserves the right to get clarification and additional documents form the bidder if necessary.
- 7.10 The University reserves the right to reject any or all tenders or to cancel the tender process without assigning any reasons thereof, and no complaints shall be entertained in this regard.
- 7.11 The tenderers shall specifically mention on their letter head that no disputes / litigation in whatsoever nature is pending or settled between their firm / company / proprietorship and university.
- 7.12 The tenderers / bidders shall certify that their firm / company / proprietorship has not been black listed by Government / Semi-Government bodies / authorities.
- 7.13 The tenderers / bidders shall certify that their firm / company / proprietorship has not been black listed by Government / Semi-Government bodies / authorities.
- 7.14 The Tenders shall along with the experience certificate should also produce and annex the certificate of satisfactorily completion of his / their services from the earlier institution/s.

8. Price and Taxes:

- 8.1 Prices quoted by the bidders for these equipment's & services should be in Indian Currency in Rupees (INR) inclusive of all types of taxes and delivery at PAH Solapur University, Solapur.
- 8.2 The prices quoted shall be valid for a minimum period of three (6) Months from date of opening of financial tender.

9. Technical Information

The technical documentation involving detailed instruction for operation and maintenance, users' manual etc., is to be delivered with every unit of the equipment supplied. The language of the documentation should be English.

10. Acceptance

A. The acceptance / performance test will be performed after completion of installation and commissioning of all the components of the solution at the sites of installation. Complete hardware and Software as specified in the tender must have been supplied, installed and commissioned properly by the Bidder prior to commencement of the test. The acceptance test will be conducted by P.A.H. Solapur University, Solapur, the expert committee nominated by the P.A.H. Solapur University, Solapur as its option as per the acceptance criteria. The acceptance will involve trouble-free operation for two consecutive days at site. The Bidder will be responsible for setting up and running the acceptance test without any extra cost to the P.A.H. Solapur University, Solapur.

In the event of hardware and software failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the P.A.H. Solapur University, Solapur reserves the right to get the corresponding component replaced by the bidder at no extra cost to the P.A.H. Solapur University, Solapur or to cancel the order and recall all the payments made by the P.A.H. Solapur University, Solapur to the bidder.

- a. Successful conduct and conclusion of the acceptance tests for the installed components shall also be the sole responsibility and at the cost of the Bidder.

11. Acceptance certificate

On successful completion of acceptability test, receipt of deliverables etc. for the equipment and after the P.A.H. Solapur University, Solapur is satisfied with the working on the system, the acceptance certificate signed by the bidder and the representative of the P.A.H. Solapur University,

Solapur will be issued. The date on which such certificate is signed shall be deemed to be the date of acceptance of the system and the WARRANTY of the Hardware starts from that date.

12. Governing Language

a. The contract shall be written in English. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in English.

13. Compliance with Laws:

By acceptance of this agreement, the Vendor agrees to comply with the requirements of all the existing laws. The Vendor also agrees to comply with the Fair Labor Standards Act and the Occupational Safety and Health Act, and all other applicable laws, ordinances, regulations and codes in the Vendor's performance hereunder. The Vendor further agrees to indemnify and hold the University and its customers harmless from any loss or damage that may be sustained by the University, by reason of the Vendor's failure to comply with any laws, ordinance, regulations and codes. Notwithstanding anything contained above, in case of dispute, claim & legal action arising out of the contract, the parties shall be subject to the jurisdiction of courts at Solapur, Maharashtra, India only.

Scope of Work

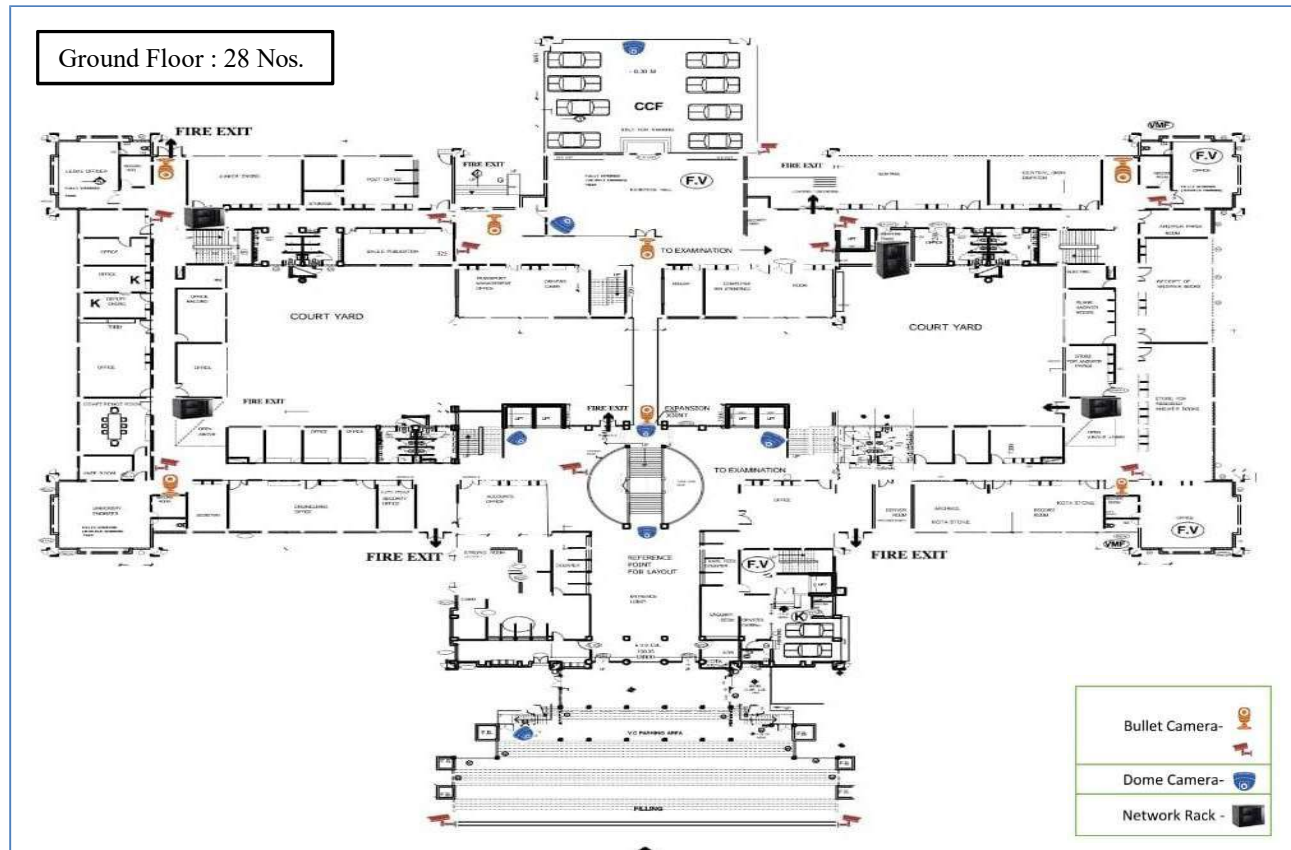
The Successful bidder on awarding the contract & purchase order from University shall start delivery of the “Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure with support for 3 years”

1.1 Implementation Stages :

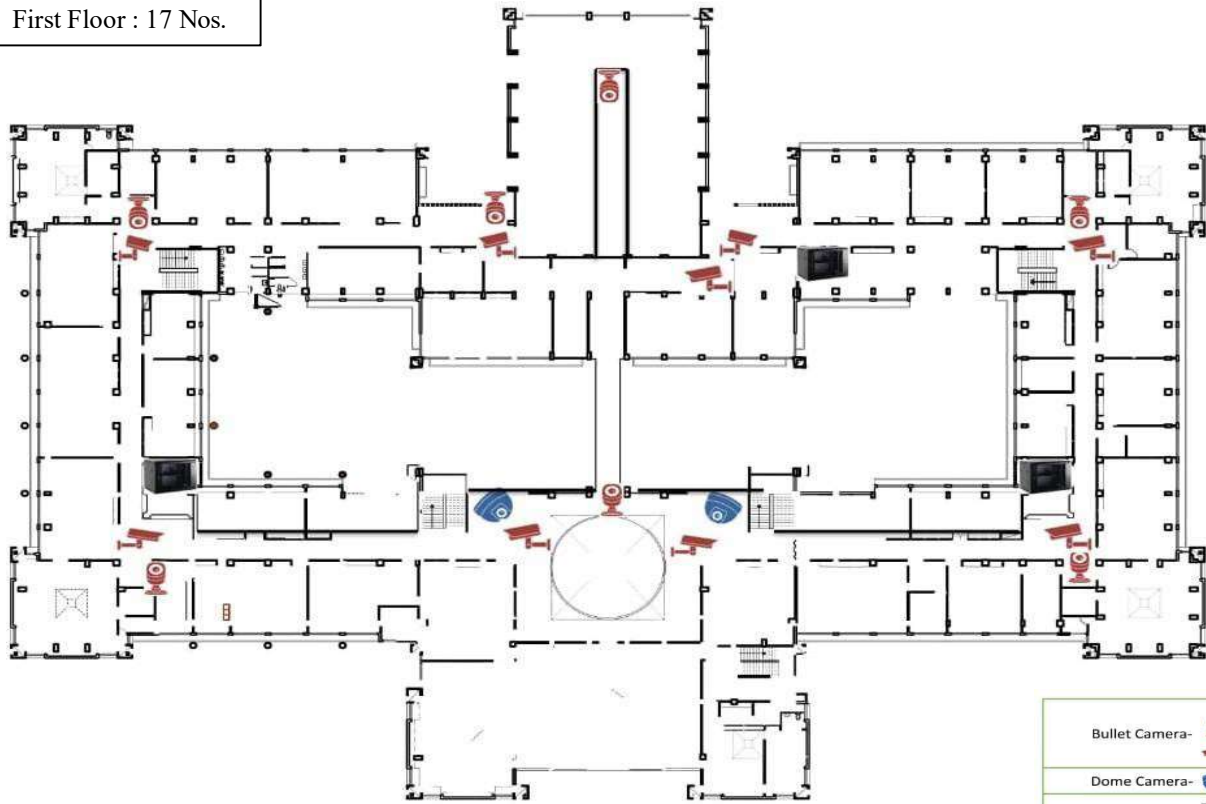
- a. **CCTV infrastructure setup** – Provisioning of active & passive components (CCTV, NVR, Cabling and other components) at the Main administrative Building, situated in the Campus. Configuring of these active components to be done as per the industry standards and best practices to ensure smooth operations of CCTV network throughout the premise.
- b. **Annual Maintenance & Support** – IT infrastructure's annual Support/ maintenance for 3 years is to be given by the same vendor who is involve in installation of the CCTV Infrastructure. Support for all hardware and CCTV connectivity related calls is considered in this proposal. Support includes troubleshooting and resolution of all

CCTV connectivity related calls and report them back to University officials

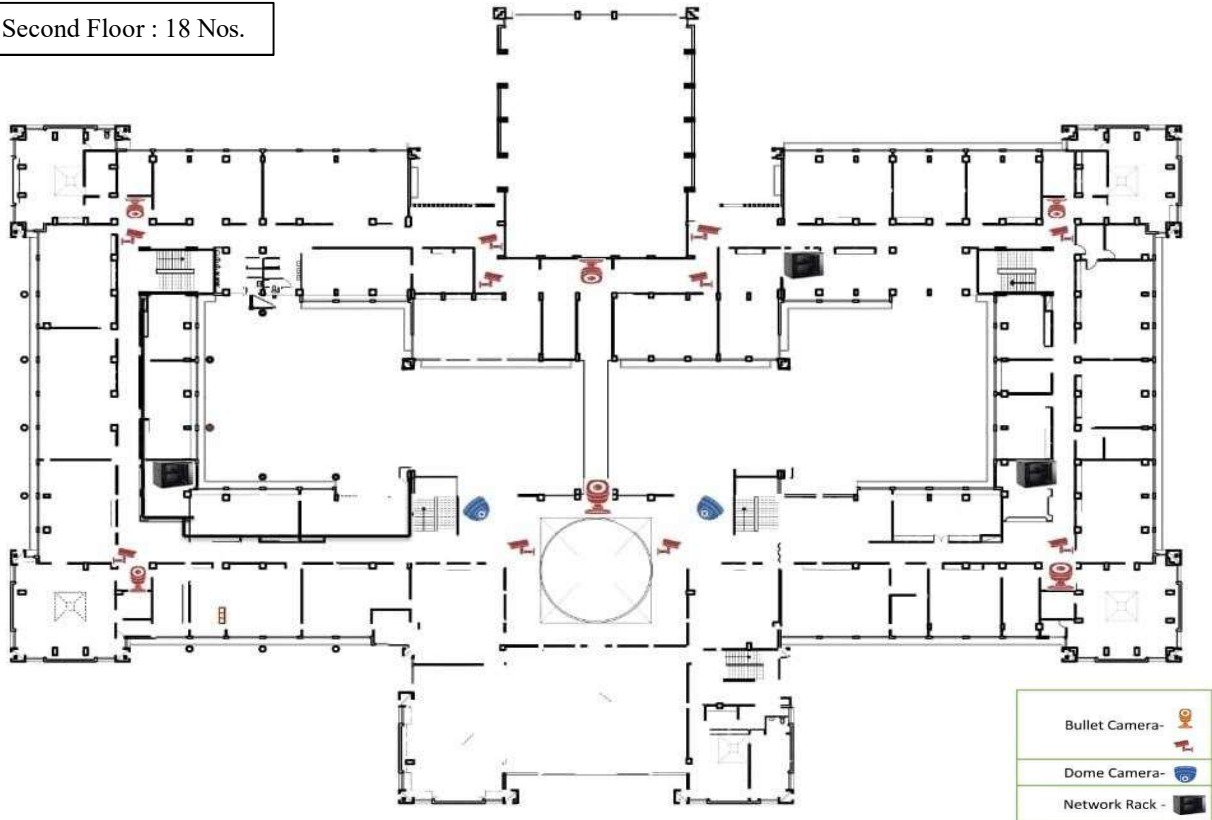
1.2 Proposed CCTV Installations (Floor plans) :



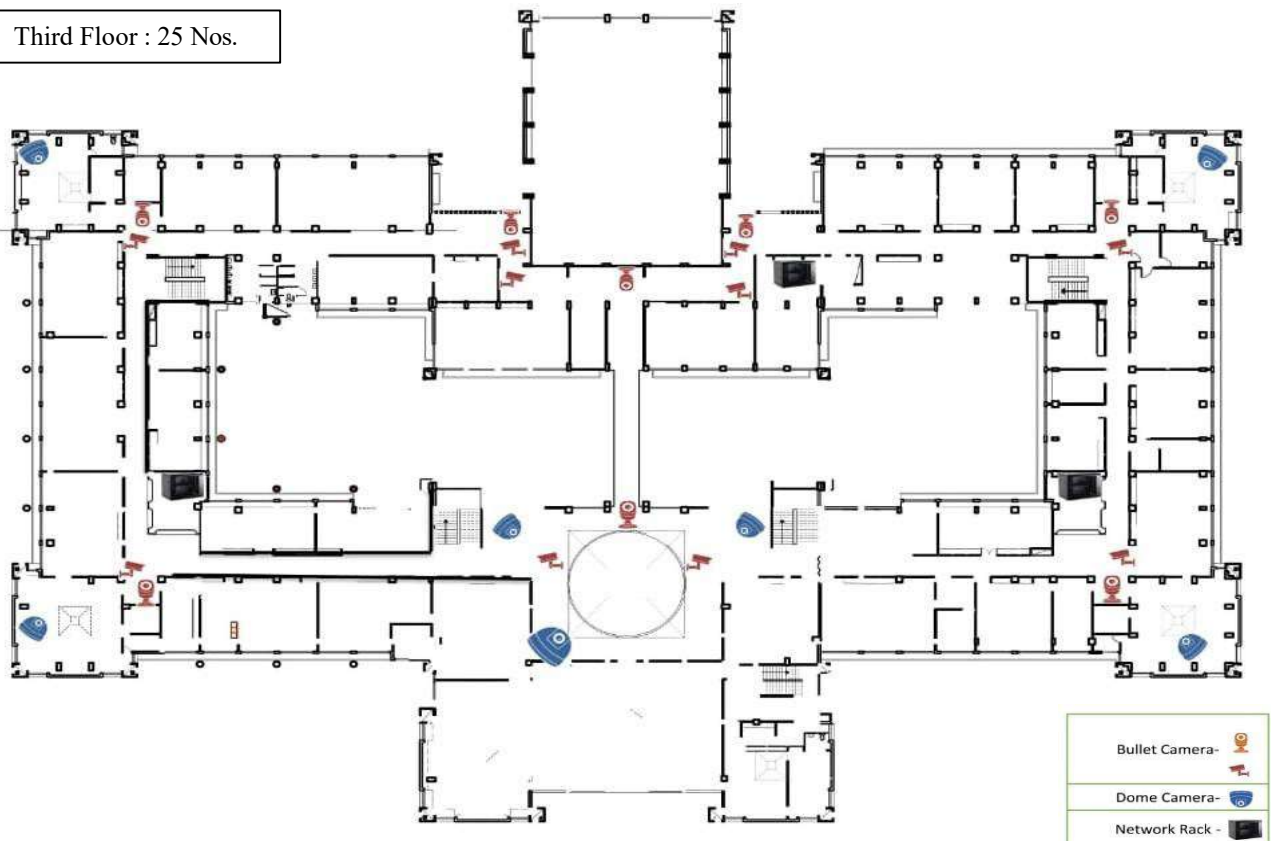
First Floor : 17 Nos.



Second Floor : 18 Nos.



Third Floor : 25 Nos.



1.3 Scope of CCTV Infrastructure, Support & Maintenance :

The successful bidder has to provide support for all CCTV network related issues/calls as raised by the users and IT department. They will be responsible for trouble-shooting and resolution of all field related calls and report them back to the IT department. Successful bidder if required can appoint on-site engineer to attend the CCTV network issue raised by users and staff. Scope of the support engineer would be as below:

- a. In case of any support ticket or network issue raised by University staff, same should be attended by the bidder, immediately.
- b. The bidder will address all issues raised as per defined timelines.
- c. In case of major hardware failure the bidder has to raise a ticket with respective hardware OEMs for prompt resolution within the stipulated time.

1.4 Scope of University (Not included in bidder's scope) :

- a. Space for mounting of racks to be provided by buyer at all the locations.
- b. Necessary permissions for digging the roads, drilling the walls, channels for laying CAT6 cables wherever required.
- c. Electric points with 6A/15A socket through uninterrupted power source i.e. backup facility in case of power failure for every network Rack Location, to be provided by buyer at all the locations, as per the requirement.
- d. Electrical earthing at each Network rack location.

1.4 Bidder has to visit the campus to understand the CCTV locations, cabling routes, Rack mounting locations and other cabling related details before submitting the bid. Cost of such site visit should be borne by bidder only.

1.5 The Bidder should have back-to-back arrangement with the OEM so that University will be able to log a call with the OEM directly within the contract period of 36 months.

1.6 The Bidder to ensure that the proposed equipment / components must not be declared "End of Support" within the next 5 years from the date of purchase.

1.7 Warranty, Annual Maintenance Contract and Annual technical support – All the Active hardware and software supplied by the Bidder should come with Three Years Free Product Warranty. Bidder has to provide manpower to log service related request to OEMs and take follow up with them until service is restored.

Warranty :

- a) The warranty for the **“Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure”** to be supplied shall carry a warranty for a minimum period of 36 months i.e. 3 years on all active components and shall commence after the delivery, installation & satisfactory operation of the material.
- b) Bidder shall be responsible for replacement of any component of the **“Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure”** incase found defective before or during installation and also during warranty period.

Uptime :

The Bidder shall attend to and put forth the best of efforts to rectify any of the problems to the network devices or related peripherals supplied and installed in the University on all the days irrespective of holidays i.e. general or special. It is also to be noted that in the event of the Bidder failing to carry out the repairs/ replacement within the time stipulated as per the instructions, the company shall at its own cost provide to the University stand by **CCTV or required components** of equivalent configuration, and the same shall be used by the University till the repairs/replacement receive to the location of the University and the same becomes operational.

Proposed Bill of Quantity (BoQ) :

CCTV BOQ For Solapur University's New Administrative Building				
Sr No	Item	Description	Unit	Qty
1	Bullet	2MP Outdoor IP Bullet Camera With Fixd Lens	Nos.	70
2	Dome	2MP Indoor IP Dome camera	Nos.	18
3	NVR	64 Channel NVR	Nos.	2
4	HDD	Hard disc for NVR 8 TB	Nos.	8
6	Switch	16 Port OFC / SFP Port Switch (Fiber Switch)	Nos.	1
7	Switch	24 port PoE Managed switch with 4 SFP	Nos.	12
8	Fiber	6 Core SM OFC Cable Armoured	Mtr.	2500
9	SFP	1000 Base LX Sfp modules	Nos.	24
10	Fiber	LC- SC S/M OFC patch cord (3mtr)	Nos.	24
11	Fiber	12 Port fully lodade Fiber LIU	Nos.	12
12	Fiber	24 Port Fully lodade Fiber LIU	Nos.	2
13	Cat-6	Cat 6 UTP cable Armoured	Mtr.	300
14	Cat-6	Cat 6 UTP cable	Mtr.	6100
15	Rack	6 U rack with all accessories	Nos.	12
16	Rack	24 U rack with all accessories	Nos.	1
17	BOX	4x4 PVC outdoor Junction box	Nos.	90
18	CPU	CPU for Remote monitoring	Nos.	4
19	Display	Display Full HD LFD 55'' inch	Nos.	4
20	Digging	Soft soil digging	mtr	300
21	UPS	3 KVA UPS For NVR/Server	Nos.	1
22	Installation	Installation & commissioning of CCTV system		Lump-sum
23	AMC	AMC cost (for 3 Year)	Nos.	3

Pre-Qualification Criteria for the OEMs:

1. The tender is governed by Government of India (GOI) Rules and Regulations of General Financial Rules (GFR), DPIIT Policies etc. Bidders to ensure following GOI guidelines are followed. Rule 144 (with latest addition of point (xi)), Rule 151 and Rule 175
2. Bidders while selecting OEMs of equipment's, Hardware and Software (proposed to be supplied for this tender) to ensure that OEMs must be genuine and as per definition below:
 - a. OEM is defined as a company that has its own manufacturing setup for the production of equipment's (Not Assembly) required in this tender and is currently manufacturing the offered models under their own brand in their own manufacturing setup with SMT machines.
 - b. OEM must have their own manufacturing setup & have designed the complete product and hold the IPR for the technology implemented in the offered models in their name as per DOT Notification dated 29-August-2018 & as per notifications below :
 - (i) Department of Industrial Policy & Promotion (DIPP) Order No. P-45021/2/2017-PP (BE-II) dated 28.05.2018
 - (ii) Gazette No. 18-10/2017-IP dated 31st August 2021
 - c. OEM getting 3rd party manufacturing for offered products will not be considered as eligible OEM.
3. The OEM should have been manufacturing CCTV equipment for at least 10 Years (Proof to be submitted)
4. Bidders while selecting OEMs of equipment's, Hardware and Software (proposed to be supplied for this tender) to ensure that OEMs Must NOT be :
 - a. Blacklisted/Delisted/Debarred with any Government Entity in India or any other Country.
 - b. Getting 3rd party manufacturing/ OEM /ODM (which includes branding and reselling products manufactured by any 3rd party) from any company that is Blacklisted/Delisted/Debarred with any Government Entity in India or any other Country or sharing land border with India.
 - c. Importing Equipment (in Semi Knocked Down Kits/Complete Knocked Down kits and re-assembling them under their brand), sub-assemblies from any company that is Blacklisted/Banned/Debarred with any Government Entity in India or any other Country or from sharing land border with India
5. OEM to submit an Affidavit that they own the source code of the Software and Firmware being supplied for all the models being supplied against this tender and does not reside in any Country that shares a Land Border with India. The same will be given direct/indirect access to for VPAT tests or any other tests that may be required.

6. The OEM of CCTV cameras/NVR selected, should have the MAC addresses (of all makes and models of IP CCTV quoted for this tender) registered in the name of the OEM. The MAC address of the proposed IP cameras must be registered in the same name of the OEM. The OUI (Organizationally Unique Identifier) must be in the name of the OEM. Letter with MAC ID and OUI details on OEM's letterhead should be submitted. Sub-application of mac under 3rd party name is not allowed to ensure genuine OEM participation. The same will be checked on :
https://regauth.standards.ieee.org/standards-ra-web/pub/view.html#_registries
7. OEM need to confirm that the equipment, like Cameras etc., shall not be installed with standards like - GB28181, GB/T28181-2011, GB/T 28181-2011, GBT 28181-2011, GBT28181-2011, GB/T28181-2016, etc., protocols/standards and there shall be no option in the camera web page/settings to activate or deactivate such protocols/standards any of their version(s) or any such protocol which allow certain organizations to bypass all security parameters and look into the devices directly.
8. The offered cameras should not support or have H.265+, H.265++ or H.265X compression (Compression from any country sharing land border with India)
9. Mean Time Between Failure (MTBF) calculated at 40°C for each type of camera should not be less than 1,40,000 hours as per Method 1, Telcordia Issue 3, for which OEM shall submit reports issued from Govt. / NABL Accredited Test Labs or 3rd party test house of International reputé such as UL or TUV certifying the same.
10. Bidders while selecting OEMs of equipment's, Hardware and Software (proposed to be supplied for this tender) to ensure that OEMs claiming to be Class I or Class II local suppliers as per DIIPT policy submit an AFFIDAVIT declaring that the make and models quoted (in this tender) are already being manufactured in India and should include the details of their local manufacturing location address and contact details. They should also include a declaration that the products are using the Design/IPR charges claimed for calculating the Local Contents (LC) in the said product.
Third party R&D/IPR cost cannot be included in the calculation for calculating the Percentage of Local Content and will be only considered as per DOT notification 29-August-2018 with latest amendments. Purchaser reserves the rights to visit the manufacturing facility, if required.
11. To ensure National security, the Cameras & Software need to be free from vulnerabilities & breaches and to discourage false undertaking from OEMs, security auditing of equipment including source code of camera shall be carried out from any Government Laboratory as per Office Memorandum & amendment released through The Gazette of India for ER (Essential requirement of Annexure):

Ministry of Electronics and Information Technology (MeitY), (IPHW Division), Extraordinary, Part II – Section 3 – Sub Section (ii) dated 7th March 2024 dated 6th March 2024 having No. 1062 (CG-DL-E-08032024-252738)

The Gazette of India: Ministry of Electronics and Information Technology ((MeitY), (IPHW Division), Extraordinary, Part II – Section 3 – Sub Section (ii)) dated 9th April 2024 having No. 1569 (CG-DL-E-09042024-253632)

12. Bidders should quote a single make for all the proposed cameras. Bidders quoting multiple brands will be out rightly rejected.
13. The Camera OEM should be a genuine manufacturer and should be a MPEG LA licensor. They should be paying the license fee for using the genuine HVEC compression legally. The same will be checked on following official website : <https://www.mpegla.com/programs/hevc/licensees/>

Note: Bidder has to submit relevant sufficient documents proving eligibility for above mentioned clauses. Non-submission of the same will lead to rejection of the bid.

Annexure I (Technical Specifications)

[To be submitted on letter head along with Technical Bid]

To

Name of the firm: -----

The Registrar

Address: -----

PAH Solapur

----- Phone No. / Mobile No. -----

University, Solapur

E-Mail ID - -----

Respected Sir,

Please find our clause by clause compliance as below:

1. Technical Specification of Fix Lens Bullet Camera

Sr No.	Parameter	Minimum Specifications or better	Fully Complied (Yes/No)
1	Video Compression	H.264,H.265	
2	Video Resolution	1920(H) ×1080(V)	
3	Frame rate	Min. 30fps in all resolution	
4	Image Sensor	1/3" Progressive Scan CCD / CMOS	
5	Lens Type	Fixed lens	
6	Lens	2.8mm/4.0 mm	
7	Minimum Illumination	0.1 Lux, B/W: 0 Lux with IR or better.	
8	IR Cut Filter	Automatically Removable IR-cut filter	
9	Day/Night Mode	Mono, Auto	
10	S/N Ratio	≥ 45 dB	
11	Auto adjustment + Remote Control of Image settings	Color, brightness, sharpness, contrast, white balance, exposure control, backlight compensation, Gain Control, Wide Dynamic Range	
12	Protocol	HTTP, HTTPS, FTP, RTSP, RTP, TCP, UDP, RTCP, DHCP, UPnP, QoS	
13	Security	Password Protection, IP Address filtering, User Access Log, HTTPS encryption	
14	Operating conditions	0 to 50°C	
15	Casing	IP-66/IP67 & IK10	
16	Certification	BIS	
17	Intelligent Features	Tampering & Trip zone	
18	Back Light Compensation	BLC/HLC /WDR (120dB)	
19	Video streaming &	Quad video streaming with H.265 compression	

	Resolution		
20	Electronic Shutter Speed	1/10 s–1/8000	
23	Interoperability	ONVIF support	
24	Privacy masking	8 Zone	
25	Illumination Distance	Min. 20m-30 m or higher	

2. Technical Specification of Dome Camera

Sr. No.	Parameter	Minimum Specifications	Fully Complied (Yes/No)
1	Video Compression	H.264, H.265	
2	Video Resolution	1920x1080	
3	Frame rate	30 fps in all resolutions	
4	Image Sensor	1/3" Progressive Scan CMOS	
5	Lens Type	Fixed lens	
6	Lens	2.8mm/4.0 mm	
7	Minimum Illumination	0.1 Lux, B/W: 0 Lux with IR or better.	
8	Image settings	Compression, Color, brightness, sharpness, contrast, white balance, exposure control, backlight compensation, rotation	
9	Protocol	HTTP, HTTPS, FTP, SMTP, RTSP, RTP, TCP, UDP, RTCP, DHCP, UPnP, QoS	
10	Security	Password Protection, IP Address filtering, User Access Log	
11	Operating conditions	0 to 50°C	
12	Casing	Indoor Environment	
13	S/N Ratio	> 45Db	
14	Illumination Distance	20 m or higher	
15	Illuminator On/Off Control	Auto	
16	Video streaming & Resolution	Quad video streaming with H.265 compression of each stream	
17	Network	RJ-45 (10/100 Base-T)	
18	Interoperability	ONVIF support	
19	Certifications	BIS	
20	Power Supply	12V DC/PoE	
21	Privacy masking	8 Zone	
22	Security	Camera should have encryption for data security, Should support TLS/SSL,	

23	Smart Detection	Trip zone & Tampering	
24	Back Light Compensation	BLC/HLC /WDR (120dB)	

3. Technical Specification of Network Video Recorder (NVR) – 64 Channel

Sr No	Technical Parameter	Specification	Fully Complied (Yes/No)
1	System		
2	Main Processor	Embedded micro-processor	
3	Operating System	Embedded Linux	
4	Operation Interface	Web; local GUI	
5	Video		
6	Access Channel	64 channel with 16 channel full HD synchronization.	
7	Network Bandwidth	500 Mbps or higher	
8	Video Output	HDMI1: 3840 × 2160; 1920 × 1080	
9		VGA1: 1920 × 1080	
10	3rd Party Camera Access	ONVIF Complied	
11	Compression		
12	Video	H.265; H.264	
13	Video In Connection	Gigabit Ethernet(Video In) x 3, SFP(Video In) x 2	
14	Network		
15	Network Protocol	As required for working	
16	Mobile Phone Access	Android & ios	
17	Trigger Event	Alarm In, Audio Detection, Motion Detection, Trip-zone, Tampering, Video Loss, & Text-in	
18	Search Mode	Time-lapse, Event Log, Text-in, Thumbnail	
19	Interoperability	ONVIF (profile S)	
20	Browser	Explorer or Chrome	
21	Record Playback		
22	Multi-channel Playback	1/4/9/16	
23	Record Mode	Manual, scheduled/ Motion Detection	
24	Storage support	Total storage support should be min. 200TB or better	
25	Backup	USB device	
26	Playback Function	Play; pause; stop; fast forward; fast backward; rewind; play by frame, Full screen; backup (cut/file); partially enlarge	

27	Alarm		
28	General Alarm	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification(Mobile)	
29	Anomaly Alarm	Camera offline; storage error; full storage; login lock	
30	Intelligent Alarm	Perimeter protection	
31	Alarm Linkage	Record; snapshot; IPC external alarm output; buzzer; log.	
32	External Port		
33	HDD	SATA x 8, eSATA x 4, RAID 5 Supported	
34	Alarm Input	16 channel or more	
35	Alarm Output	4 channel or more	
36	USB	2 or more	
37	HDMI	1 or more	
38	Network	RJ-45 10/100/1000 Mbps	
39	General Parameter		
40	Power Supply	Power Supply DC 100 to 240 VAC	
41	Operating Temperature	0°C to +40°C	
42	Certifications	BIS	

4. Technical Specification of Switch (16 Port)

Sr. No.	Parameter	Description	Fully Complied (Yes/No)
1	Switch Type	Unmanaged PoE/ Non POE Switch which Supports 250 Meters with min.300W PoE	
2	1G RJ45 Port Count	16 or more	
3	1G RJ45 Port Count	2 or more	
4	1G SFP Port Count	4 or more	
5	Switching Bandwidth	54 Gbps or more	
6	MAC Address	8K or more	
7	AC Input	AC Input 100~240V 50~60Hz (Internal)	
8	IEEE802.3af/at	Switch should support IEEE802.3at/af	
9	Total PoE Budget	300 W or more	
10	Per Port PoE budget	30W max.	
11	IEEE Standards	Switch should support IEEE 802.3x, IEEE 802.3i 10BASE-TX, IEEE 802.3u 100BASE-TX, IEEE 802.3af /IEEE 802.3at, IEEE 802.3x Flow control	

12	VLAN	Switch should support VLAN isolation	
13	Compliance	Switch OEM should be ISO 9001, ISO 27001 and ISO 14001	
14	Certifications	CE, FCC, BSMI, RoHS compliant	

5. Technical Specification of Switch (24 Port)

Sr. No.	Parameter	Description	Fully Complied (Yes/No)
1	Switch Type	Unmanaged PoE Switch which Supports 250 Meters with min.200W PoE	
2	1G RJ45 Port Count	24 or more	
3	1G RJ45 Port Count	2 or more	
4	1G SFP Port Count	2 or more	
5	Switching Bandwidth	38 Gbps or more	
6	MAC Address	2K or more	
7	AC Input	AC Input 100~240V 50~60Hz (Internal)	
8	IEEE802.3af/at	Switch should support IEEE802.3at/af	
9	Total PoE Budget	200 W or more	
10	Per Port PoE budget	30W max.	
11	IEEE Standards	Switch should support IEEE 802.3x, IEEE 802.3i 10BASE-TX, IEEE 802.3u 100BASE-TX, IEEE 802.3af /IEEE 802.3at, IEEE 802.3x Flow control	
12	VLAN	Switch should support VLAN isolation	
13	Compliance	Switch OEM should be ISO 9001, ISO 27001 and ISO 14001	
14	Certifications	CE, FCC, BSMI, RoHS compliant	

6. Technical Specification of Online UPS

Sr. No	Parameter	Min. Acceptable value	Fully Complied (Yes/No)
1	Main Input Voltage	230 V	
2	Rated power in W	660 W	
3	Rated power in VA	1100 VA	
4	Nb of power socket outlets	4 India 2/3-pin 6A	
5		1 India 2/3-pin 6A surge	
6	Cable length	1.52 m	
7	Number of cables	1	

8	Battery type	Lead-acid battery	
9	Network frequency	45...65 Hz auto-sensing	
10	Plug standard	India 3-pin 6A	
11	Input voltage limits	145...290 V	
12	Switching current capacity	7:00 AM	
13	Maximum configurable power in W	660 W	
14	Output frequency	50 Hz sync to mains	
15	UPS type	Line interactive	
16	Waveform Type	Stepped approximation to a sine wave	
17	Efficiency	72 % (full load)	
18		84 % (half load)	
19	Full load runtime	660 W	
20	Maximum configurable power in VA	1100 VA	
21	Transfer time	10 ms typical : 12 ms maximum	
22	Product certifications	BIS	

7. Technical Compliance of Passive Components:

7.1 Fiber Optic Cable Single Mode 6 Core

Sr. No	Min. Acceptable Technical Parameters	Fully Complied (Yes/No)
	General Features	
1	Fiber Optic cable should be Single Mode. Suitable for Indoor/Outdoor (Duct) Local Area Network Systems.	
2	Fiber Optic cable jacket material should be HDPE.	
3	Fiber Optic cable should have excellent Water Proof Layer & Good Moisture Resistance.	
4	Central Loose tube with jelly compound.	
5	Glass yarns in between Steel tape & loose tube.	
6	Fiber cable should support standard ITU-T: REC G.652D and Telecordia: GR-20 Core.	
	Mechanical Characteristics	
7	6 core Fiber cable outer diameter should be 7.2 mm +- 0.5.	
8	The Thickness of the Jacket should be 1.8mm +- 0.2.	
9	Bend Radius (IEC 60794-1-2-E11 & E6) should be Short Term 20D in mm and Long Term 10D in mm.	
10	Fiber cable should have 2000N/100mm Crush Load (IEC 60794-1-2-E3).	

11	Fiber cable should have 1000N short term pulling tension (IEC 60794-1-2-E1).	
	Geometrical Properties	
12	Mode field diameter: 9.3 $\mu\text{m} \pm 0.5$	
13	Clad Diameter: 125 $\mu\text{m} \pm 1.0$	
14	Dispersion At 1285 - 1330nm should be $\leq 3.5 \text{ ps/nm.km}$	
15	Dispersion At 1550nm should be $\leq 18.0 \text{ ps/nm.km}$	
	Other Characteristics	
16	Cabled Cut-off Wavelength should be $\leq 1260 \text{ nm}$.	
17	Maximum Attenuation at 1310nm should be $\leq 0.38 \text{ dB/km}$.	
18	Maximum Attenuation at 1550nm should be $\leq 0.25 \text{ dB/km}$.	
	Environmental Characteristics	
19	Storage Temperature should be -40 deg C to +70 deg C.	
20	Operating Temperature should be -20 deg C to +70 deg C.	

7.2 Category 6 Patch Cord

Sr. No.	Min. Acceptable Technical Parameters	Fully Complied (Yes/No)
	Features	
1	Category 6 patch cords with four pair twisted cable terminated with RJ45 modular plugs at both the ends.	
2	Patch Cord should have TIA/EIA 568C.2 standard.	
3	Shall be backward compatible with Category 5 and Category 5e systems.	
4	Category 6 patch cord should be 100% factory made and performance tested.	
5	Category 6 patch cord length requires – 1 meter or 2 meter.	
6	Color code for Patch Cord: Grey	
	Performance Characteristics	
7	Patch cord conductor should be 24 AWG, multi-strands.	
8	Patch cord conductor metal should be made from bare copper.	
9	Insulation material should be high density polyethylene.	
10	Outer Jacket should be LSZH material.	
11	Heat resistance of patch cord should be 60° Celsius.	
	Modular Connector/Plug Characteristics	
12	Patch cord plug should be gold plated.	
13	Contact blade of plug should be made from copper / alloy.	
14	Insertion cycle should be 750 times.	
15	Temperature range should support from -10° Celsius to 60° Celsius.	

7.3 Unshielded Twisted Pair Category 6 cable LSZH

Sr. No.	Min. Acceptable Technical Parameters Features	Fully Complied (Yes/No)
	Category 6 Unshielded Twisted 4 pair shall be compliant with ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801 Class E.	
	Should support 1000BASE-T (1 Gigabit Ethernet) standard.	
	Category 6 should operate on bandwidth up to 250MHz as per standard.	
	Construction Characteristics	
	Conductor should be 23 AWG solid bare copper.	
	Conductor Insulation material should be HDPE.	
	The conductors should be twisted in pairs with four pairs contained in LSZH jacket / sheath.	
	Four twisted pairs separated by internal X shaped, full separator. Half shall not be accepted.	
	Sheath material should be LSZH.	
	Cable outer diameter should be 6.1 mm nominal.	
	Electrical Properties	
0	The Conductor Resistance should be $\leq 9.38\Omega/100m$	
1	The Mutual Capacitance should be $< 5.6nF/100m$	
2	The Resistance Unbalance should be 5% Max	
3	The Delay Skew should be $< 45nS$	
4	The Capacitance unbalance should be $330pF/100m$	
5	The NVP should be 69%	
	Other Characteristics	
6	Each meter printed with sequential Length Counter	
7	Temperature Range -20° to $+70^{\circ}C$	



Annexure II (Manufacturers Authorization Form)

[To be submitted along with Technical Bid]

Ref. No:

Date:

To,

Subject: For the “Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure with support for 3 years”

Dear Sir,

We _____ who are established and reputable manufacturers of _____ having Factories at _____ and _____ do hereby authorise M/s _____ [Name and address of vendor] to submit a bid and sign the contract with you for the goods manufactured by us against the above RfP No _____ dated _____. We hereby extend our full guarantee and warranty as per the clauses of contract based on the terms and conditions of the RfP for the goods and services offered for supply by the above firm against the RfP.

Yours faithfully

[_____]

Name of the Manufacturer and Signature of Authorized person

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. It should be included by the bidder in its bid.

Annexure III (BID FORM)

[To be submitted on the letter head of the bidder along with Technical Bid]

Ref. No.

Date:

To,

Sub: **RfP No.....Dated For “Supply, Installation, Testing & commissioning (SITC) of CCTV Infrastructure with support for 3 years “**

Dear Sir,

We, the undersigned, offer to supply and deliver materials and services including installation and commissioning of **“Supply, Installation, and Testing & Commissioning (SITC) of CCTV Infrastructure** “in conformity with the tender.

We undertake, if our bid is accepted, to deliver the Goods in accordance with the delivery schedule specified in the Tender.

If our bid is accepted, we will provide Bank guarantee in your favour for a sum equivalent to 2 % of the contract price for the due performance of the contract in the format prescribed by the purchaser.

We agree to abide by this bid for the period of 120 days from their it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with PAH Solapur University, Sholapur’s written acceptance thereof and the PAHSU’s notification of award shall constitute a binding Contract between us.

We hereby undertake to produce the certificate from our OEM supplier in support of above undertaking at the time of delivery/installation. It will be our responsibility to produce such letters from our OEM supplier’s at the time of delivery or within a reasonable time.

We agree that the PAHSU will have Single Point of Contact with us, at the address stated below for the entire goods and services to be delivered by us in case our bid is accepted.

Address of Bidder for Single Point of Contact

We understand that the PAH Solapur University, Solapur is not bound to accept the lowest of any bid the bank may receive.

Dated _____ day of _____ 20...

(Signature in the Capacity of)

Duly Authorized to sign bid for and on behalf of

(Name & Address of Bidder)



Annexure IV (Service Support Details)

[To be submitted along with Technical Bid]

S.N.	Location	Whether local support available at the location [Yes or No]	In respect of Column 3, if response is "NO", specify location from which support extended.	Service Support own or through Franchise	Address and Telephone No [for response specified in column 5]	Working Days and hours	No of S/w Engineer s	No of H/w Engineer s
1	2	3	4	5	6	7	8	9
1	PAH Solapur University, Solapur							

Seal and Signature of Vendor



Annexure – V (Forwarding Letter)

(To be submitted on company's letter head with Technical Bid)

To:

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Subject: Tender for supply of “supply Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure with support for 3 years”

Dear Sir,

This is in reference to your above-mentioned tender for the procurement of “Supply Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure”, having examined the tender document, the receipt of which is hereby duly acknowledged, we the undersigned; hereby submit our proposal along with necessary supporting documents.

Further, we agree to abide by all the terms and conditions as mentioned in the tender document. We have also noted that PAH Solapur University, Solapur reserves the right to consider/ reject any or all applications without assigning any reason thereof.

Date :

Authorized Signatory :

Name :

Designation :

Seal and Signature of Vendor



Annexure VI (Self Declaration for not blacklisted)

(Self-Declaration by Bidder on Company Letterhead)

I, _____ (Name of Authorized person),
Aged about _____ years, residing at _____
_____ (Postal Address) do hereby
declare that, I am the proprietor / Partner of
_____ (Name of Company / firm)
registered at _____.

I do hereby confirm that, the documents submitted in envelope No.1 of the tender document for the work of **“Supply, Installation, Testing & Commissioning (SITC) of CCTV Infrastructure”** are true, correct and complete. I am not blacklisted in any government, Semi Government, PSU or University. In case the contents of envelope No.1 and other document pertaining to the tender submitted by me are found to be incorrect or false, I shall be liable for action under the relevant provision of Indian Penal Code and other relevant laws.

Signature of Authorized person /Applicant/Service Provider

Name : _____
Address: _____
City: _____
Date: _____
E-mail: _____
Mobile: _____

Seal and Signature of Vendor

Annexure – VII (Site Surevey Report/Certificate)

SITE SURVEY CERTIFICATE

1. It is certified that Representatives of M/s.
AddressContact Person Name & Designation
..... has carried out the site visit on...../...../ at our location
..... as per Tender No..... Pertaining to our tender “Supply,
Installation, Testing & Commissioning (SITC) of CCTV Infrastructure, at Punyashlok
Ahilyadevi Holkar Solapur University, Solapur with management for 3 years”.
2. I have properly inspected the site and understood all the ground level technical
requirement of the PAHSU and accordingly the proposal will be submitted,
considering all the technical parameters, requirements and aspects.
3. The certificate has been issued to the firm as per Tender bid for technical
evaluation.

Seal and Signature of Competent
Authority/In-charge officer with
Date

Seal and Signature of Vendor

Annexure – VIII (FINANCIAL BID : COVER - II)

CCTV BOQ For Solapur University's New Administrative Building						
Sr No	Item	Description	Unit	Qty	Unit Rate	Total
A	B	C	D	E	F	G
1	Bullet	2MP Outdoor Fix Lens IP Bullet Camera	nos.	70		
2	Dome	2MP Indoor IP Dome camera	nos.	18		
3	NVR	64 Channel NVR	nos.	2		
4	HDD	Hard disc for NVR 8 TB	nos.	8		
5	Switch	16 Port OFC / SFP Port Switch (Fiber Switch)	nos.	1		
6	Switch	24 port PoE Managed switch with 4 SFP	nos.	12		
7	Fiber	6 Core SM OFC Cable Armoured	Mtr.	2500		
8	SFP	1000 Base LX Sfp modules	nos.	24		
9	Fiber	LC- SC S/M OFC patch cord (3mtr)	nos.	24		
10	Fiber	12 Port fully lodade Fiber LIU	nos.	12		
11	Fiber	24 Port Fully lodade Fiber LIU	nos.	2		
12	Cat-6	Cat 6 UTP cable Armoured	Mtr.	300		
13	Cat-6	Cat 6 UTP cable	Mtr.	6100		
14	Rack	6 U rack with all accessories	nos.	12		
15	Rack	24 U rack with all accessories	nos.	1		
16	BOX	4x4 PVC outdoor Junction box	nos.	90		
17	CPU	CPU for Remote monitoring	nos.	4		
18	Display	Display Full HD LFD 55" inch	nos.	4		
19	Digging	Softsoil digging	mtr	300		
20	UPS	3 KVA UPS For NVR/Server	nos.	1		
21	Installation	Installation and commissioning of CCTV system		Lump-sum		
22	AMC	AMC cost (for 3 Year)	nos.	3		
					TOTAL (₹)	
		Taxes for Sr. No. 1 to 23 (Except Sr. No. 19)			GST@18%	
		Taxes for Sr. No. 19			GST@28%	
		TOTAL Project Cost (₹)				

Note: Bidder are requested to note the following –

- All the details must be provided as per format.
- L1 will be arrived based on the above total Total Project Cost (Column G).
- All active items are with 3 years warranty from date of installation.
- All the terms and conditions as mentioned in the Government Resolution of Govt of Maharashtra regarding purchase process are applicable to the tender document.
- GST & other taxes may be indicated separately.
- Quantity may vary on the basis of actual requirement of PAHSU.

Seal and Signature of Vendor