



Bihar Medical Services & Infrastructure Corporation Limited
2nd & 3rd Floor, Swasthya Bhawan, Behind IGIMS, Sheikhpura,
Adjacent to State Health Society, Patna- 800014, Bihar
Phone/Fax: +91612 2283287, + 91612 2283289
Mo. No- 9471006239, 9471009071

(Notice Inviting E-Bids)

TENDER FOR MONITORING OF ONGOING CIVIL PROJECTS FOR MEDICAL COLLEGE & HOSPITALS AND OTHER HEALTH FACILITIES ACROSS THE STATE OF BIHAR.

Notice Inviting Tender No.-BMSIC/2024-25/IT-04 Dated: 07 January 2025

(Only through E- Tender on website: -<https://eproc2.bihar.gov.in>)

The Bihar Medical Services and Infrastructure Corporation Limited, Patna invites e-bids from interested parties for **TENDER FOR MONITORING OF ONGOING CIVIL PROJECTS FOR MEDICAL COLLEGE & HOSPITALS AND OTHER HEALTH FACILITIES ACROSS THE STATE OF BIHAR** as listed below: -

Tender Schedule

Tender Reference No.	BMSIC/2024-25/IT-04
Date of Pre- Bid Meeting	15th January 2025 at 15:00 Hrs in Conference Hall of BMSICL, 3 rd Floor, Swasthya Bhawan, Behind IGIMS, Sheikhpura, Adjacent to State Health Society, Bihar. All Pre-bid queries to be submitted through e-mail on gminv-bmsicl-bih@nic.in up to 15th January 2025 till 15:00 Hrs. (Note: - No Pre-bid queries would be entertained after the above-mentioned dead line)
Date and time of submission of online bids	28th January 2025 up to 17:00 Hrs.
Last date and time for submission of original documents of EMD (in the form of BG).	29th January 2025 till 14:00 Hrs.
Date, time and place of opening of Technical Bid	29th January 2025 (at 15:00 Hrs.) on the website of https://eproc2.bihar.gov.in in the office of BMSICL
Date and time of opening of financial Bids	To be announced later on https://eproc2.bihar.gov.in
Validity of Tender	180 Days
Cost of the tender document	Rs11,800/- (Eleven thousand and eight Hundred only) non-refundable
Tender Processing Fee	Rs 590/- (on the website of https://eproc2.bihar.gov.in)

1. To participate in E-Tendering the tenderer will have to be registered with E-Tendering service provider. For this, help desk –mjunction services limited RJ complex, 2nd Floor, Canara Bank, Campus, khajpura, Ashiana road, P.S –Shastri Nagar, Patna-800014, Toll Free No.-18005726571, Email-ID: eproc2support@bihar.gov.in can be approached.
2. The cost of tender document is acceptable as only **Online mode (On Eproc-2)** and it is non-refundable.
3. The required amount of Earnest Money is acceptable in the form of Bank Guarantee issued by nationalized and schedule bank in favour of **Managing Director, Bihar Medical Services and Infrastructure Corporation Limited, Patna** and payable at Patna (**Only Offline mode**). The Earnest Money deposited in any other form shall not be acceptable.
4. The Tender Inviting Authority reserves the right to extend the schedule of tender or to reject the tender without assigning any reason.
5. The fee of bid processing is to be deposited by the tenderer through net banking i.e. RTGS/NEFT/Debit Card. The tenderer must ensure the payment before schedule time otherwise the corporation will not be responsible for any delay.
6. It is essential to deposit the documents of payment of online mode of Tender fee, EMD(**Offline mode**), at Bihar Medical Services Infrastructure Corporation Limited, Patna by **29th January 2025** till 14:00 Hrs.
7. Note: Please number the documents with serial number on each and every page and do mention the total number of pages of bidding document. In technical Bid parallel assign, the corresponding page numbers of supporting documents. Any discrepancy or misrepresentation in this aspect will not be entertained.
8. Any queries and questions regarding the tender should be addressed to MD BMSICL (either through letter or through e-mail:- md-bmsicl-bih@nic.in and gminv-bmsicl-bih@nic.in).
9. All communication, addendum/corrigendum related to this tender will be issued on the website of <http://eproc2bihar.gov.in>
10. Managing Director, BMSICL reserves the right to reject any or all the applications without assigning any reason.

Note- Changes suggested by prospective bidder in Pre-Bid meeting may be incorporated in the tender document at the sole discretion of the tender inviting authority and for which corrigendum will be issued separately and uploaded on the website <https://eproc2.bihar.gov.in>

Sd/-

GM (Logistics)
BMSICL, Patna



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(Tender Reference No.: BMSIC/2024-25/IT-04)



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TENDER FOR MONITORING OF ONGOING CIVIL PROJECTS FOR MEDICAL COLLEGE & HOSPITALS AND OTHER HEALTH FACILITIES ACROSS THE STATE OF BIHAR

1. TENDERING SYSTEM

The Bids are to be submitted in two Parts i.e.

- I. Technical Bid**
- II. Financial Bid / Price Bid**

The TECHNICAL BID shall contain the complete technical details of the firm and the documents to provide the eligibility and competency of the bidder and shall be submitted online only in the manner prescribed in Bid document.

The documents like Tender Document fee, Affidavit and EMD shall be submitted before the specified schedule at the office of BMSICL super scribed, **“Tender Document Fee, Affidavit&Earnest Money Deposit for Tender**

Reference No. -BMSIC/2024-25/IT-04,**TENDER FOR MONITORING OF ONGOING CIVIL PROJECTS FOR MEDICAL COLLEGE & HOSPITALS AND OTHER HEALTH FACILITIES ACROSS THE STATE OF BIHAR**”. However hard copy of uploaded tender shall be provided by the bidder firm along-with the mandatory tender document fee,Affidavit and EMD for evaluation purpose only. This hard copy shall under no case substitute/modify the provisions of e-tender system.

- a)** The Financial Bid/Price Bid in the prescribed Performa shall be submitted online only. The price shall be quoted as mentioned in Financial Bid / Price Bid format and not in respect of any other units. If mentioned in any other unit the Financial Bid will be rejected.
- b)** In quoting the rates, the bidders are advised to take into account all the factors including any fluctuations in the market rates, toll charges, entry charges, taxesetc. No claim shall be entertained or any change in quoted rate after acceptance of the tender or during the period of the Contract.

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5. The fee of bid processing is to be deposited by the tenderer through net banking i.e. RTGS/NEFT/Debit Card. The tenderer must ensure the payment before schedule time otherwise the corporation will not be responsible for any delay.
6. It is essential to deposit the documents of payment of online mode of Tender fee, EMD (Offline mode) in sealed envelope at Bihar Medical Services Infrastructure Corporation Limited, Patna **by 29th January 2025** till 14:00 Hrs. .
7. Note: Please number the documents with serial number on each and every page and do mention the total number of pages of bidding document. In technical Bid parallel assign, the corresponding page numbers of supporting documents. Any discrepancy or misrepresentation in this aspect will not be entertained.
8. Any queries and questions regarding the tender should be addressed to MD BMSICL (either through letter or through e-mail:- **md-bmsicl-bih@nic.in** and/or **gminv-bmsicl-bih@nic.in** or **contact no. 0612-2219634/35**) up to 7 days before of closing of online bid registration.
9. All communication, addendum/corrigendum related to this tender will be issued on the website of [**https://eproc2.bihar.gov.in**](https://eproc2.bihar.gov.in) as well as on the official website of BMSICL.
10. Managing Director, BMSICL reserves the right to reject any or all the applications without assigning any reason.

Note- Changes suggested by prospective bidder in Pre-Bid meeting may be incorporated in the tender document at the sole discretion of the tender inviting authority and for which corrigendum will be issued separately and uploaded on the website [**https://eproc2.bihar.gov.in**](https://eproc2.bihar.gov.in) & [**www.bmsicl.gov.in**](http://www.bmsicl.gov.in).

2. METHOD OF SUBMISSION OF TENDER

- a) The Tender shall be submitted online only. Bidders shall upload all necessary technical bid documents into the e-tender portal. .
- b) Both Technical Bid and Financial Bid are to be submitted concurrently duly digitally signed in the website at "<https://eproc2.bihar.gov.in>".
- c) If a particular document/Certificate to be uploaded as specified in bid, is not applicable for a bidder, the bidder shall attach a scanned copy of declaration in the letter head stating that the specific document is not applicable/exempted for the bidder in connection to this tender.
- d) Note: - " Bids along with necessary online payments (bid processing fee) must be submitted through e-procurement portal <https://eproc2.bihar.gov.in> before the date & time specified in the bid document [NIT/ Tendering Authority does not take any responsibility for the delay [Non submission of tender / Non reconciliation of online' payment (bid processing fee) cost due to non-availability of internet connection, network traffic / holidays of any other reason, "
- e) For support related to e-Tendering process, bidders may contact at following address Procurement HELP DESK, 1ST Floor, M/22, Bank of India Building, and Road No. - 25, Shree Krishna Nagar, Patna- 800001. Phone No. 0612-2523006, Mob No. 7542028164 or may visit the link Vendor info" at <https://eproc2.bihar.gov.in> and also inform in this regard to BMSICL.
- f) Once the bid has been uploaded in the web portal <https://eproc2.bihar.gov.in>, the bidder has to make sure that he has uploaded the files in the correct format and the bidder has to download the uploaded files from their own end and has to check whether the files uploaded is in proper format.

➤ Scope of Work

1. Objective

This Scope of Work (SOW) outlines the requirements for the setup of a CCTV control room surveillance system, with the integration of a minimum of 5 surveillance cameras at each designated location. The system will allow remote access to the camera feeds via the cloud for monitoring, while ensuring that recordings are stored locally at each location for minimum 07 days. The recorded footage will be retrievable through the cloud at the control room for a minimum period of one year.

2. System Design and Components

The CCTV surveillance system will consist of several key components that work in synergy to ensure seamless operation.

- **Cameras:** A minimum of 5 high-definition CCTV cameras will be installed at each monitored location. These cameras will be strategically placed to cover critical areas, ensuring comprehensive surveillance. The cameras will have features like night vision, motion detection, and remote pan/tilt/zoom capabilities.
- **Drone:** A drone camera video graphing under-construction building captures aerial views and detailed footage from various angles. Equipped high-resolution cameras, it navigates around structures, providing real-time visuals. The drone's GPS and sensors ensure precise movement, allowing seamless monitoring of progress, safety, and design accuracy from above. Drone cameras will be used for recording on monthly once basis site wise.
- **Control Room Setup:** The control room will be equipped with the necessary infrastructure to monitor and manage the camera feeds. This includes workstations, monitors, online ups control software, and secure cloud access systems for retrieving live feeds and historical recordings.
- **Recording Infrastructure:** Recordings will be stored locally at each location on secure network video recorders (NVRs). The storage system will have sufficient capacity to store footage for up to 7 Days. Local storage solutions will ensure that in the event of a network failure, no data is lost.
- **Cloud Integration:** The surveillance system will be integrated with a cloud platform that allows remote access to the live feeds and recorded data. The cloud interface will be secure, ensuring that only authorized personnel can view or retrieve data.

3. Installation and Configuration

The installation process will involve several phases to ensure the effective deployment of the surveillance system.

- **Site Survey:** A detailed survey will be conducted at each location to determine the optimal positioning of cameras. The survey will also assess power supply availability, network connectivity, and space requirements for control room setup.
- **Camera Installation:** Each camera will be installed according to the pre-determined locations. Power and network cabling will be routed to ensure stable operation. Cameras will be configured

to stream video to the cloud for real-time monitoring and to the local storage devices for recording.

- **Control Room Setup:** The control room will be set up with the necessary workstations, monitors, and security equipment. The cloud software interface will be installed on these workstations, allowing the monitoring personnel to view live feeds and search for recorded footage as required.
- **Control Room Backup System:** -We will provide online UPS with battery for backup in the control room so that power supply not broken
 - **System Configuration:** The cameras will be configured to record locally and simultaneously stream to the cloud for remote monitoring. Settings for video resolution, frame rates, motion detection, and recording schedules will be customized based on the client's requirements.
 - **Man Power:** 2 numbers manpower to be deployed at Central Control Room for managing smooth running and managing the complete system.
 - **Testing:** A comprehensive system test will be conducted to ensure all components are working correctly, including the camera feeds, local recording systems, cloud integration, and remote access functionality.

3. Data Storage and Retrieval

- **Local Storage:** The NVRs/Recording device at each location will store the recorded footage. The storage will be configured to overwrite older footage after the retention period of minimum 07 days. The storage capacity will be sufficient to meet the demands of continuous recording.
- **Cloud Retrieval:** The cloud platform will offer secure access to the recorded footage. Authorized users will be able to retrieve footage for specific time periods or events. The cloud will act as a backup in case of local system failures, ensuring that critical data can be retrieved remotely. Minimum 10 snaps of each site to be stored on daily basis for a period of 01 year.

5. Maintenance and Support

The system will be supported with ongoing maintenance and service for the duration of the contract. This includes:

- **Annual Maintenance:** Routine checks and software updates will be conducted to ensure the cameras and cloud platform remain operational. The local storage devices will be monitored to ensure sufficient space for recording.
- **Cloud Access Support:** Support for cloud access, including troubleshooting and login issues, will be provided to authorized personnel to ensure smooth operation of the system.

6. Timeline

The entire system setup, including installation, configuration, and testing, will be completed within an agreed-upon timeline. Regular milestones will be established, and the progress will be reported to ensure timely delivery.

7. Conclusion

This CCTV control room surveillance setup will provide a robust, secure, and efficient system for monitoring and recording critical areas across multiple locations. The integration of cloud technology allows for real-time viewing and retrieval of footage, while local recording ensures data security. This solution will be designed to operate smoothly over the course of minimum one year per location, with regular maintenance and support services in place to ensure the continued reliability of the system.

ANNEXURE – I

Documents to be submitted:

1. Authorization certificate from manufacturer (Cameras and VMS Manufacturers)
2. Govt. Experience Certificate (similar work) including copies of supply order from competent authority. Two work Orders of Rs 10 Crs of Similar Nature in last 07 Years. One Completion Certificate compulsory. Similar nature means Surveillance work with Command Control Centre.
3. I.T. Return of last three assessment years and PAN card. (photocopy duly attested)/
4. GST Registration Certificate and up to date GST filed proof.
5. An undertaking to the effect that the company /firm/distributor has not been blacklisted.
6. Financial Statement of last 3 Years from C.A is to be enclosed. Bidder to have average 10 Cr turnover in last 3 years. CA certificate to be submitted.
7. Bidder should have positive net worth for last 3 years. CA Certificate to be submitted.
8. The bidder shall certify that the rates quoted are the lowest ones for any facilities (Govt. or Private) in the state.
9. All the affidavits / undertaking /annexure mentioned in this tender document.
10. Bidder to quote make and model number against the tender.

Other Pre-Qualification:

1. The OEM should have minimum one service centre in India.

2. The OEM should have 10 years of manufacturing license. The Video Management Platform Manufacturer shall have a minimum of Ten (10) years' experience in producing IP video equipment and software.
3. The Video Management Platform Manufacturer shall be certified as ISO/IEC 27001:2022, it covers the information security management system.
4. The Camera OEM must be an ISO 9001, ISO 14001 & ISO27001 certified Organization
5. OEM of camera should be member of ONVIF organization. OEM should not be banned/blacklisted from ONVIF. The offered Camera model will be conformant to ONVIF standards and all future OEM firmware updates shall also be conformant to ONVIF standards. Bidders shall submit a declaration mentioning the above and submit along with their bid in OEM letterhead.
6. All offered camera models should be UL/NDAA Compliant Products as per cybersecurity prospective.
7. OEM or its subsidiary should not be blacklisted by any Ministry of Government of India or by Government of any other State in India or any of the Government PSUs from last 5 years at the time of bidding.
8. The Camera to be provided by OEM should not be complying to GB28181, GB/T28181-2011 standards and there should be no option to activate or deactivate GB/T 28181 standards in the camera web page/Settings
9. Offered Camera should not have Hi-Silicon Chipset due to security concerns the OEM of the Cloud VMS should have been in manufacturing of VMS for a minimum of 10 years. The bidder must submit a declaration of conformance from ONVIF.org for a VMS version that is 10 years old or older, and this information must be available on the ONVIF website.
10. The Video Management Platform Manufacturer shall be recognised as Top10 Video Platform Via Global Ranking Firm's.
11. The Video Management Platform Manufacturer should have presence Globally.
12. The Video Management Platform shall have their application built on trusted cloud provider only, AWS or Azure -Cloud Proxy Service.
13. The Video Management Platform shall have installation of minimum 800 cameras on 9riting. 200sites/locations, professional used of Central Monitoring.
(Completion certificate Required with Customer details.)
14. The Video Management Platform Manufacturer shall have official recognition as a CVE Numbering Authority, or CAN (skilled in the field of cybersecurity)

15. The Video Management Platform Manufacturer should have successfully attained the SOC 2 Type 2 compliance certification, which solidifies the dedication to safeguarding the security, privacy, and trust of our customers data.

ANNEXURE-II

Terms and conditions:

1. The cover containing the tender should be super scribed as the “Tender For Supply & Installation Of Cloud Based VMS With Pan, Tilt and Zoom Surveillance Through Gateway Solution at different Government Medical Colleges & Hospitals & other Health Facilities across the State of Bihar” in block letters.
2. Incomplete and defective tender shall not be accepted.
3. Tender Fee of **Rs.11,800/- (Rupees Eleven thousand and eight hundred)** only and EMD of **Rs 5,00,000/- (Rupees Five lakh)** only in the form of Demand Draff / Bank Guarantee of schedule Bank valid for two year pledged to the “ Managing Director, BMSICL, Patna ” to be submitted. Any bid from a bidder who fails to furnish EMD will be summarily rejected as the purchaser nonresponsive.
4. The work / supply order will be placed as and when requirement arises and payment will made subject to the availability of fund after observing all formalities. Any claim for advance payment will not be entertained . No interest will invite forfeiture of the earnest money.
5. In the event of failure to supply the required materials as ordered is stipulated period, the order may cancelled and will invites forfeiture of the earnest money.
6. The rates shall be valid for three year from the date of acceptance of the tender.
7. There should be provision for supply immediately in emergency basis as and when necessary.
8. Samples to be submitted during technical evaluation. Technically qualified bids will be taken up for financial bid evaluation.
9. Items supplied should be as per specifications and samples submitted
10. In case of holiday next working date and time will be the last submission date and time of tender.
11. Canvassing in any form will make the tender liable to rejection.
12. Price escalation will not be allowed in any case.
13. The tender should be written neat and clean without any cutting/ over writing /erasing.
14. The tender documents should be page marked with signature and seal on each page.

15. The undersigned reserve the right to accept or reject any or all tender or part thereof without assigning any reason thereof and under no any circumstances, the undersigned is bound to accept the lowest rate of the tender.
16. In respect of all matter arising out of or pertaining to the Contract, the cause of action there of shall be deemed to have arisen only at Patna where BMSICL is situated. All legal proceedings pertaining to the above matter or disputes shall be instituted only in Courts having territorial jurisdiction over the place where BMSICL is situated and no other shall have the jurisdiction.
17. In case of any of the above – mentioned dates being declared as a holiday the Bids will be sold / received / opened on the immediate next working day at the appointed time.
18. Any corrigendum related to this tender kindly to be seen at the official website of the BMSICL.
19. Authority reserve the right for any modification in the bid documents if required 7 days before the tender submission of last date.
20. In case the bid documents are sent by post or by courier, the time and date of depositing the bid documents at the office is to be as per schedule date of submission . Authority will not be responsible for any postal delay in process of submission of Bids & necessary fees.
21. Payment is to be made on received of the consignment with satisfactory certification by the concerned authority on the availability of the fund. No any interest is to be paid for late payments, if any.
22. Successful bidder has to submit a performance security of 5 Lakh in form of Demand Draft or Bank guarantee in the format given by BMSICL and sign an agreement with BMSICL which should be valid for 18 months.
23. Period of completion **-02(Two)** months from the date of award of supply order. (Site Wise)
24. The Bidder must have an experience for similar works.(years)
25. The Bidder, if he/she is not manufacturer, shall be required to authority from the manufacturing company.
26. Requirements may vary depending on site condition.
27. The supplier should be fully responsible to replace the material free of cost with no transportation and insurance to the purchaser up to the destination of the material ordered, for the whole or in which is found to be defective on receipt of the same at destination. Such replacement shall be affected by the supplier within a reasonable time actually required out of supply of materials of its use where on warranties or otherwise shall not in any case exceed the cost of correcting the defects or replacing the defected materials. The above provisions shall also equally apply to the materials so replaced by the supplier in case the same is found to be again defective.
28. Those bidders who have qualified in technical bid shall be entertained for the financial bid. Bidders are advised to see carefully the BOQ as it is and quote their Final amount including tax and other charge for Supply installation, commissioning and maintenance of CCTV Surveillance System with Cloud Solution in different Government Medical Colleges & Hospitals and other health facilities across the state of Bihar in the permitted column and upload the same I the financial bid. Bidder shall not tamper/ modify downloaded price bid template (BOQ) in any manner. Incase if the same

is found to be tempered / modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned. Financial bid will be evaluated as per service charge quoted by the bidders. Thus, a bid which is substantially responsive and quotes minimum Service Charge shall be ranked as L-1 and so on. The work will be divided in two parts. Part I (North) will be given to L1 bidder. Part II (South) will be given to L2 bidder if they agree to match L1 price. In case L2 doesn't agree to match L1 price then L3 will be given the opportunity to match L1 price and take the contract. If L3 doesn't agree to match L1 price, then entire Part 1 and Part 2 will be awarded to L1 Bidder. In case, quoting same service charges by more than one bidder, the selection of L-1 agency will be made on the basis of higher turnover in the same order.

29. PRICES

- . Prices are to be quoted in Indian Rupees.
- . Prices quoted must be meaningful and measurable in the context.
- . Tenderers should clearly specify whether prices quoted are inclusive of GST / statutory charges or such charges as extra. Where no specific mention is made to GST/ or other duties, prices quoted shall be deemed to be inclusive of such taxes/ charges.
- . The price quoted by the tenderer shall not be higher than the lowest price charged by the tenderer for the goods of nature, class or description to a purchaser, domestic or foreign or any organization or Govt. department for last six months (enclosed necessary supporting document).

30. PAYMENT TERMS:

Rental payment shall be made after satisfactory working of system and performance of the item/ equipment/ instrument subject to submission of report from authority and correct invoice, Challans and other documents as deemed fit.

31. OTHER TERMS

Responsibility for executing contract: The successful bidder would be entirely responsible for the execution of contract in all respects in accordance with the terms and conditions as specified in the acceptance of tender.

- i. **Recovery of sums due:** Whenever any claim for the payment of a sum of money arises out of or under this contract against the contractor the managing Director, BMSICL shall be entitled to recovery of such sum by appropriating, in part or whole the security / earnest money deposited by the contractor, when the balance or the total sum to be recoverable, as the case may be shall be deducted from any sum then due or which at any time thereafter may become due under this or any other contract with the BMSICL, Patna. Should this sum not be sufficient to cover the full amount recoverable, the contractor shall pay to the BMSICL, Patna on the balance due.
- ii. **Insolvency and Breach of Contract:** The Managing Director, BMSICL may at any time by notice in writing summarily terminate the contract without compensation to the contractor in any of the following events, that is to say:-
 - a. If the contractor being an individual or if firm, any partner in the contractor's firm shall at any time be adjudged insolvent or shall have a receiving order or orders for administration of his estate made against him or shall take any proceedings for liquidation or composition under any insolvency not for the time being in force or shall make any convenience or assignment of his efforts or enter into any arrangement

or composition with his creditors or suspend payment or bill if the firm be dissolved under partnership act.

- b. If the contractor being a company shall pass a resolution or court shall make an order for the liquidation of the affairs or a receiver or a manager on behalf of the debenture holder shall be appointed or circumstances shall have arisen which entitle the court or debenture holders to appoint a receiver or manager, or

If the contractor commits any breach of this contract not herein specifically provided for; Provided always that such determination shall not prejudice any right of action or remedy which have accrued or shall accrue thereafter to the purchaser and provided also that the contractor shall be liable to pay the purchaser for any extra expenditure, he is thereby put to, but shall not be entitled to any gain on goods & services.

Arbitration: In the event of any question, dispute or difference arising out of the terms and conditions listed down in this tender, the same shall be referred to Arbitrator appointed by The Managing Director, BMSICL. The procedure of the Arbitration will be governed by the provisions of Arbitration Act 1940 (as amended from time to time and rules framed there under).

Documents: The tenderer should have a valid Trade license/ PAN/GST Registration/ other statutory documents as applicable and produce attested copies of such certificates along with the tender shall liable to be rejected.

Right to accept/ reject : The BMSICL authority reserves the right to reject any or all tenders without assigning any reason whatever. Also the hospital authority reserves the right to award any or part or full contract to any successful agency at its discretion and this will be binding on the tenders. The quantity shown in the tender can be increased or decreased by The Managing Director, BMSIC to any extent depending upon the actual requirement.

Assistance to contractor: The contractor shall not be entitled to assistance either, in the procurement of raw materials required for the fulfillment of the contract or in the securing of transport facilities. In case of failure to comply with the provisions of the terms and conditions mentioned, by agency that has been awarded the contract, the BMSICL, Patna authority reserves the right to award the contract to the next eligible tenderer and the difference of price will be recovered from the defaulter agency who has been awarded the initial contract and will be binding on the the tenderer.

The Managing Director, BMSICL, Patna doesnot pledge himself to accept the lowest or any tender and reserve to himself the right of accepting the whole or any part of the tender or portion of quantity offered and tendered shall supply the same/ execute the work at the rate quoted.

Failure and Termination: If the contractor fails to execute the work or deliver the stores or any installments thereof within the period prescribed for such delivery (i.e.; within **60 days** of award of contract), the Managing Director, BMSICL may without prejudice to his right to recover damages for breach of the contract, be entitled at his options:

- To recover from the contractor as agreed liquidated damages, in such case, liquidated damages will be levied at 0.5% per week of the value of the delayed supply subject to a maximum of 10% (20 Days).

- To purchase from elsewhere, without notice to the contractor, on his account and at the risk of the contractor, the stores not delivered or stores of similar description (where as stores exactly complying with the particulars are not in the opinion of the Managing Director, BMSICL, Patna readily procurable such opinion being final) without cancelling the delivery in respect of the consignments not yet due for deliver.

- To cancel the contract or a portion thereof, and if so decided to purchase or authorize to purchase or stores not so delivered or other of a similar description (where stores exactly complying with the particulars are not in the opinion of the Managing Director, BMSICL, Patna readily procurable such opinion being final) at the risk and cost of the contractor

36.FORCE MAJEURE:

- a) Notwithstanding the provisions contained in Tender Document, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligation under the contract is the result of an event of Force Majeure.
- b) For purpose of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instances of, the party claiming to be affected by such event and which has caused the performance. Such events may include, but are not restricted to acts of the Purchaser/Consignee either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions. Strikes excluding by its management, and fright embargoes.
- c) If Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and thereof within twenty-one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- d) If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days. Either party may at its option terminate the contract without any financial repercussion on either side.
- e) In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfill its contractual commitment and responsibility, then the purchase / Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub- paragraphs.

ANNEXURE-III

SPECIAL INSTRUCTIONS FOR TENDER

The following special conditions shall apply for Supply & Installation of “Tender for Supply & Installation of Cloud Based VMS With Pan, Tilt and Zoom Surveillance Through Gateway Solution at different Government Medical Colleges & Hospitals & other Health Facilities across the State of Bihar”.

A. WARRANTY/GUARANTEE

Along with the Technical Bid, the following information is to be provided exclusively:

- i. The tenderer must quote the manufacturer/brand of each equipment.
- ii. The tenderer must be able to provide after rental services for the equipment quoted at least for a period of **1 year** as per BMSICL requirement. The solution installed may be extended for another 05 (Five) years at discretion of BMSICL on same monthly rentals per site. Equipment may be installed as per BMSICL requirement. Onetime payment of re-installed system will be given against installation at new location. The installation cost will be 10% of the quoted value.
- iii. Uptime guarantee: During the warranty/guarantee period the firm will maintain the equipment in good working condition. All the complaints will be attended by the firm within **12 (Twelve)** working hours of the dispatch of the complaint to their office. The firm shall ensure that machine/cameras/equipment/Installations etc. is set right within on **4 day** of the intimation. However, the tenderer has to arrange similar equipment as a standby at his cost and risk in case of breakdown. In case of the machine not being made functional within **Four** days, stiff penalty equivalent to **0.5%** of the cost of machine per week max upto 10% shall be levied for every week of delay at the discretion of the authority. In addition, the tenderer has to arrange similar equipment as a standby as stated above.

B. SOFTWARE UPGRADATION:

Free up-gradation of software (all Update & Upgrades) at least for 5 years is to be provided wherever applicable. A declaration on OEM letter head should be submitted.

C. SAMPLES/DEMONSTRATION

The firms should be prepared for onsite demonstration of items after the date of opening of tender for verification/inspection etc. to evaluate the quality of recording and video file outputs of the quoted Surveillance equipment which to be notify later date as decided by the competent authority. The firm shall have to comply with such conditions failing which the tender shall be liable for rejection and forfeiture of the Earnest Money. The tenderer/firm/company shall arrange for demonstration of Surveillance System and

project/equipment/item article at his own cost and risk. Tenderer who fails to demonstrate the equipment/instruments quoted will not be considered for selection.

D. DETAILS OF ITEMS QUOTED:

- i. It is mandatory to indicate the full name, make/brand, model number, and detailed specification of the equipment quoted by them, (in addition, a brochure of product information may be attached along with). Tenderers also have to indicate clearly the Name, Address and all Contact numbers of the MANUFACTURING FIRM and firm responsible for providing AFTER SALES SERVICES of the equipment quoted by them.
- ii. The bidder should have **05 years'** experience in the field of **Supply, Installation, and Testing & Commissioning of Surveillance System** for any government/ PSU organizations. (Copies of Purchase Orders (PO) and Completion Certificates (CC) should be attached for verification)
- iii. The rate quoted by the bidder shall be inclusive of the charges like GST, transportation, installation, insurance, freight. Clearance and loading or unloading at sites of installation. Rates quoted by the bidder shall be valid for a period of 365 days from the date of opening of the tender.
- iv. **The Managing Director, BMSICL reserves the right to increase the quantity of goods as per actual requirement. The actual quantity of items to be finalized at the time of implementation system. Items mentioned in financial bid (BOQs) only for evaluation purpose.**
- v. The delivery, installation and successful testing of the items must be completed within **60 days per site wise** from the date of award of contract to the successful bidder.
- vi. Delivery period shall be specifically indicated in the tender and strictly adhered to. The supply will be arranged and made within the stipulated delivery period on receipt of the supply order. Any delay in the delivery period after the supply order is placed may result in cancellation of the supply order. In case the successful bidder became unable to supply within the time limit prescribed by the BMSICL, the supply order is likely to be cancelled and items will be arranged by the Managing Director, BMSICL from elsewhere and the earnest money deposited along with security deposit collected from the successful bidder will be forfeited.
- vii. The Successful bidder within 10 days of getting confirmed award of contract has to enter into an agreement with the Managing Director, BMSICL, Patna in Rs 1000/- non judicial stamp paper, to ensure warranty and after sales support during the warranty period.

E. VALIDITY OF RATE CONTRACT: -The rate contract will be applicable for 5 (Five) years from the date of signing of the rate contract (Agreement). The validity of contract may be extended with mutual consent for some specified period to the maximum of 2 (Two) years with BMSICL, if required.

ANNEXURE-IV

Specification For Supply & Installation of Cloud Based VMS With Pan, Tilt and Zoom Surveillance Through Gateway Solution at different Government Medical Colleges & Hospitals & other Health Facilities across the State of Bihar”:

Pan, Tilt and Panning Camera:

Sr. No	Specification	Parameter	Compliance
30X, 2Mpx High speed PTZ Dome Camera			
1	Image sensor	1/2.8-inch CMOS Sensor	
2	Resolution	1920 X 1080	
3	Frame per Second	60 FPS	
4	Dynamic Range	120 dB or better	
5	Signal to Noise Ratio	>50 dB	
6	Minimum Illumination	Color 0.1 lux ; Mono 0.00 lux with IR	
7	IR Illumination	150 Meter or better	
8	Lens	4.5 mm (wide) ~ 135.0 mm (tele)	
9	Optical Zoom	30X	
10	Digital Zoom	12x	
11	Horizontal Angle of View	59.8° (wide) ~ 2.34° (tele)	
12	Iris Control	Auto iris	
13	Back Light Compensation	Yes	
14	Electronic Image Stabilization	yes	
15	Active Noise Filtering	3D Noise Filtering	
16	Presets	256preset	
17	Tours	16	
18	Window Blanks	4	
19	Preset Accuracy	±0.1°	
20	Pan & Tilt Speed	Up to 300° per second/Up to 145° per second	
21	Vertical Tilt	+15° to -90° degrees	
22	Video Streams	Up to 3 simultaneous streams	
23	Audio Input/output	Line level/external microphone input	
24	Supported Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UpnP, DNS, DHCP, RTP, RTSP, NTP, Ipv4, Ipv6, SNMP v2c/v3, QoS, HTTP, HTTPS, SSH, SSL, SMTP, FTP, and 802.1x (EAP)	
25	Local Storage	Up to 2TB storage card	

26	Analytics	Motion Detection and Camera Sabotage	
27	Pan Movement	360° continuous pan rotation	
28	Alarms	2 X inputs and 2 X relay output	
29	Input Power	802.3bt,24 VAC and 48 VDC	
30	Operating Humidity	0 to 90% RH (condensing)	
31	Operating temprature	minus 40 to + 60 Deg C	
32	Enviormental Protection	Ingress for Water & Dust – IP66 or higher	
33	Certificates	CE & FCC & UL /cUL	
34	ONVIF Compliant	ONVIF Profile S and Profile G conformant	

Video Management System Specification:

General System Requirements			
S. No	Parameters	General System Requirements	Compliance (Yes/No)
1	Platform Design	The VMS shall be an open, extensible video platform designed for any video application and easy to install, learn, operate, and manage.	
2	Video Review	The VMS shall support a rapid review option enabling users to export and compress long periods of archived video into shortened, time-lapse-like videos.	
3	Audio System	The VMS shall support a two-way audio system that allows operators to engage with individuals or groups through an IP camera's built-in audio and with Audio Mapping.	
4	Bit Rate Management	The VMS shall support bit rate throttling, enabling the ability to throttle progressive downloads of media files based on the content bit rate.	
5	User Interface	The VMS shall have a rich user interface providing one-click access, drag-and-drop, menus, customizable GUI, etc., to enhance operational efficiency in daily tasks and maintenance.	
6	Performance	The VMS shall be able to respond quickly and be applicable to all processes, functions, features, and screens. The VMS will require no dedicated GPU in order to perform at maximum capacity. The VMS Server shall be capable of recording 128 dual-streaming IP cameras (256 streams) on a single core of an Intel Core i3 processor/4core.	

7	Recording Options	The VMS shall support basic recording options (Full, Scheduled, Motion detection, event/trigger-based recording) and advanced recording options (Video only, Video plus Audio, Retention rules, Archive/backup rules, storage limits report set) also shall have Metadata Driven Recording Configuration : Continuous Recording , Motion Recording, Object Recording, Motion + Object Recording , Obejct + Low resolution recording , Motion + Oject + Low resolution recording	
8	PTZ Configuration	The VMS shall provide PTZ configuration, including presets, patterns, patrolling, masking and permissions.	
9	Special Views	The VMS shall support full duplex audio and setup a Virtual matrix on the operator workstation monitor. The VMS shall support special views for widescreen monitors and update views only on motion detection. And the VMS Client shall have a flexible adaptive grid interface which allows operators to create and share customized layouts of system resources.	
10	Connectivity	The VMS shall a have Free Cloud connectivity (like AWS , Azure or others) for remote connectivity and management of an unlimited number of Systems from a single, easy-to-use web-based interface without the need of static IP address.	
11	SDK/API	The specified VMS System shall have software applications which work together seamlessly- Cloud, Server, Desktop and developer tools with right to Server / Cloud API, Video SDK, Storage SDk. Metadata SDK. (Free of charge, any API or SDKs necessary to integrate 3 rd party devices and systems.)	
Server Architecture			
1	Hive Architecture	The VMS shall have a Server Hive Architecture where all servers in a system are equal and synchronize system databases (device configurations, system configuration, user rights) in real-time without the need for operator configuration or additional administrative interface.	
2	System Management	A user can connect to any system server to see and manage the entire system.	
3	Failover Support	Servers support automatic camera failover of selected cameras to ensure limited loss of video recording in the event of hardware or network failure.	
4	License	The VMS Software licensing should be on a per device basis (e.g. 1 x license for 1 IP Camera or I/O device) with no base license for additional features or capabilities and Free lifetime software upgrades shall be provided by the Manufacturer without cost.	
Server Application			

1	Compatibility	The VMS Server application shall be able to run on Windows and Ubuntu Linux, in Virtual Machines, and select Debian operating systems for ARM-embedded devices.	
		The VMS Server application should require no prerequisite proprietary or 3 rd party software and database technologies during installation.	
2	Camera Discovery and Streaming	- o The VMS Server application shall automatically discover, stream, and record any ONVIF IP camera located on the same subnet as the server application. - o The VMS Server Application shall manually discover, stream, and record RTSP, HTTP, or UDP (multicast, unicast) streams	
3	Recording and Streaming	The VMS Server application shall record and stream video of any resolution and frame rate, limited only by hardware.	
4		The VMS Server application shall support automatic camera failover without any additional licenses.	
5	User Management	The VMS Server application shall support an unlimited number of users and custom user roles without additional licenses.	
6	Codec Support	The VMS Server application shall record and stream H.264, H.265, and MJPEG streams, and support recording and streaming AAC, PCM (Mu-Law, A-law), g726, and MP3 audio.	
7	Transcoding	The VMS Server application shall transcode streams on-demand for delivery to Mobile, Web clients & 3 rd party systems or devices in H.265, H.264, MJPEG, or WebM codecs.	
8	Network Configuration	The VMS Server application shall support Ipv4 or Ipv6 addressing and allow operators to set custom network routing configurations for system servers to optimize network routing and usage.	
9	Health Monitoring	The VMS Server application shall allow operators to monitor CPU, RAM, NIC, and HDD usage & all connected systems and devices with an integrated Health Monitoring dashboard in real-time.	
10	Audit and Backup	The VMS Server application shall track all operator actions to allow audits. The VMS Server application shall support scheduled backup of recording archives to local, networked, or cloud storage locations. The VMS Server application shall allow the recovery of archives from any storage device using a re-index archive feature. The VMS Server application shall track all operator actions to allow audits in video trail playback pattern	

11	Web Administration	The VMS Server application shall have a web administration interface allowing users to watch live or recorded video from one camera at a time in high or low quality, and see real-time server health statistics.	
12	Security	The VMS Server application shall support archive encryption with a user-chosen key using AES 128-bit encryption and Option to force encryption between Client and Server for API data also Option to force HTTPS video traffic encryption between Client and Server.	
13	Metadata Support	The VMS Server application shall support storing and processing object-driven metadata from in-camera, server-based video analytics solutions using a common and free Metadata SDK/Plugin model.	
14	User Integration	The VMS Server application shall support LDAP/Active Directory/OpenLDAP integration for user login credential management.	
15	Crash Handling and Notifications	- o The VMS Server application shall support sending HTTP PUT or GET requests and creating automatic crash files whenever the Server application crashes unexpectedly. - o The VMS Server application shall support configuration and events from binary I/O contacts on supported devices, such as IP cameras and I/O devices. - o The VMS Server application shall support sending email notifications via SMTP using TLS, SSL, or unsecured connections.	
16	Concurrent Recording and GPU Requirement	The VMS Server application shall support concurrent recording of all connected cameras/streams to two servers simultaneously.	
17	Backup and Security	- o The VMS Server application shall support metadata-driven archive backup and a metadata-based rules engine for automated backups. - o The VMS Server application shall provide secure communications, including SSL/TLS certificate pinning and session-based (bearer token) authentication by default.	
Client Application			
General Features			
1	Compatibility	- o The VMS Client application shall run on Windows, Ubuntu, and macOS, capable of operating on any hardware able to run a compatible operating system with a CPU supporting OpenGL 2.1 and Intel HD Graphics. - o The VMS Client application shall not require any dedicated graphics driver to work at full capacity and shall use the CPU for all video decoding and rendering.	

2	Smart Playback	The VMS Desktop application shall allow operators the ability to execute a Smart Motion search by selecting a subset of a live camera stream with results shown in red on the flexible timeline. Smart Motion search should be able to search a year (12 months, 365 days) of archived video in less than one (1) second.	
Navigation and Panels			
1	Navigation Panel	The VMS Client application shall have a Navigation Panel with a main menu button, cloud-login icon, tabbed layouts, minimize and maximize icons, a contextual help icon, and a close application icon.	
2	Resource Panel	The VMS Client application shall feature a collapsible Resource Panel showing all system resources (Servers, Devices, Users, Layouts, Offline files, etc.) with a keyword search mechanism.	
3	Notifications Panel	The VMS Client application shall have a Notifications Panel showing all system or rules-engine generated notifications.	
4	Timeline Panel	The VMS Client application shall have a Timeline Panel for navigation and search of recorded video files.	
Viewing Grid and Interaction			
1	Viewing Grid	- o The VMS Client application shall have a flexible adaptive Viewing Grid interface allowing operators to create and share customized layouts of system resources. - o The VMS Client application shall allow operators to view and interact with live streams (H.265, H.264, MJPEG), offline media (AVI, MKV, MP4, MOV, TS, M2TS, MPEG, MPG, FLV, WMV, 3GP, JPG, PNG, GIF, BMP, TIFF), I/O devices (status and triggers), and real-time server health monitoring status. - o The VMS Client application shall allow operators to scroll to zoom into any part of the Viewing Grid, and de-warp fisheye lenses using automatic or manual calibration without the need for third-party SDKs.	
2	Layout	The VMS shall allow the users to create customizable timed viewing sequences using any resource, aka Layout Tour. Users can assign media resources, for example, cameras, layouts, web pages, exported files, local media, and even server health monitoring.	
		The VMS Desktop application will allow users to de-warp any fisheye lens using automatic calibration or manual calibration without the need for any third (3 rd) party SDKs or Plugin.	
		The VMS Desktop application will allow administrators to create and share lockable layouts.	
The VMS Desktop application will allow users to record their full client screen layout with no additional licenses at multiple clients application.			

PTZ and Audio Support			
1	PTZ Support	The VMS Client application shall support PTZ presets and tours in fisheye cameras using de-warp mode, drag-and-drop to reassign cameras between servers, and audio alerts as an action.	
2	Audio Mapping	The VMS Client application shall support audio mapping to use audio capabilities from different devices together.	
Timeline and Bookmarks			
1	Flexible Timeline	The VMS Client application shall have a flexible timeline for viewing the dates of any and all archived video in the System for specific cameras or groups of cameras.	
2	Bookmarks	The VMS Client application shall allow operators to manually create bookmarks with a start time, end time, name, description, and tags, and create automated bookmarks using the Rules engine and the Bookmarks tab in the Notification Panel should provide a visual interface for searching and viewing Bookmarks.	
Soft Triggers and Icons			
1	Soft Triggers	The VMS Client application shall allow operators to create Soft Triggers for triggering system actions.	
2	Icons on Live Streams	The VMS Client application shall have icons on top of live camera streams for de-warping fisheye cameras, controlling PTZ cameras, applying client-side image enhancement, executing smart motion search, creating zoom windows, rotating items, and activating stream or file info.	
3	Camera Hotspot	The VMS client shall have the feature camerasHotspots are icons layered over the display of a Camera. Each Hotspot icon is linked to another Camera that provides an alternate view of the same area, or is the next Camera to cover the path an object of interest may follow, user can hover their mouse over a Hotspot to see a preview of the linked Camera, or click on the Hotspot to open the linked.	
Zoom Windows and Push Notifications			
1	Zoom Windows	The VMS Client application shall allow operators to create up to 63 Zoom Windows on a single item in a 64-bit OS, enable client-side Intel Quicksync or AMD G-SYNC decoding, and create and send custom Push Notifications to Mobile Application users.	
		The VMS Desktop Creating multiple zoom areas within a high resolution video streams to see more details. Move around the zoom area, even cross cameras, to track interested object.	
Adaptive Scaling and Storage Analytics			
1	Adaptive Scaling	The VMS Client application shall utilize adaptive scaling technology to switch between high and low-resolution streams during live and recording playback.	

2	Storage Analytics	The VMS server application shall have the feature to Analyzing and Predicting Storage Usage : •Identify camera(s) that stream at extremely high bitrates. •Estimate the amount of time a server can store data from a given device in days and hours. •Assess the storage space that each camera consumes. •Predict the amount of time a server can store recordings if additional storage is added.	
Management and Configuration			
1	Unified Interface	The VMS Client application shall allow the management and configuration of all system devices, users, and resources in a unified interface. The VMS Desktop application will allow users to add a local folder to add local files for search and playback.	
2	Fast-Forward and Fast-Reverse	The VMS Client application shall allow fast-forwarding and fast-reverse of archived video up to 16x normal speed.	
3	Adaptive Thumbnails	The VMS Client application shall allow operators to show or hide adaptive thumbnails in the timeline panel, synchronize all items on a layout, or disable synchronization.	
4	Batch Configuration	The VMS Client application shall allow batch configuration of camera recording schedules, FPS, and quality.	
Events and Export			
1	Event Viewing and Export	The VMS Client application shall allow operators to view, search, and export all system events, bookmarks, logs, and audit trails of all operator actions and replay related videos.	
2	Alarm Layout	The VMS Client application shall allow users to force open an alarm layout triggered by any system or third-party event.	
Video Wall and Export Features			
1	Video Wall Mode	The VMS Client application shall have a Video Wall mode for remote control and allow users to create fully customizable viewing tours.	
2	Single Video Export	The VMS Client application shall support single video export in .avi, .mp4, or .mkv formats with the option to transcode client-side effects as part of the exported video.	
3	Multi-Video Export	The VMS Client application shall support multi-video export in an executable format, creating a portable version of the VMS Client application capable of playing multiple video streams, bookmarks, motion search results, or analytics events.	
4	Screenshots Export	The VMS Client application shall allow users to print or export screenshots from archived or live videos.	

5	Compress Export	The VMS users can export and compress long periods of archived video into shortened, time-lapse-like videos.	
Push Notifications and User Access			
1	Push Notifications	The VMS Client application shall allow operators to send real-time push notifications to Mobile Client users and control user access by restricting video downloads or manual server additions.	
2	Secure Connection and Access Management	The VMS Client application shall allow operators to connect to and view all system resources securely, using a secure connection, and allow system administrators to manage user access to specific system resources using a combination of role-based access and rights management.	
Security and Integration			
1	Role-Based Security	The VMS Client application shall support a unique role-based security and permission structure to meet the demands of complex hierarchical system deployments.	
2	User Control	The VMS Client application shall support different levels of access for each user, allowing precise control over who can view, control, and configure system resources and permissions.	
3	Temporary User	The VMS shall have a Temporary users functionality to grant limited-duration access to systems with future expiration date.	
Mobile Application			
1	Video Viewing	The VMS Mobile Client application shall allow users to view live and archived video streams on their mobile devices.	
2	Push Notifications	The VMS Mobile Client application shall support real-time push notifications sent by the VMS Client application.	
3	Security	The VMS Mobile Client application shall support secure access using SSL/TLS encryption.	
4	Resource Control	The VMS Mobile Client application shall support viewing, controlling, and configuring system resources with the same role-based access and rights management as the VMS Client application.	
	Bookmarks	The VMS Mobile application should allow users to navigate through bookmarks.	
6	Smart Search	The VMS Mobile application will allow “Smart Motion Search” to search archived video by selecting an entire video or specific area.	
		Video Recording server with 1TB SSD connected to router and Cloud application without Static IP or Port forwarding secured connection to View live, Playback videos and management of the complete site.	
1	Video Recording hardware	Min CPU – Quad Core ARM A76 – (6TOPs NPU)	
		RAM 8GB DDR4	
		SSD 32GB eMMC – 1TB NVME	
		OS Linux Ubuntu 20.04	

		Ethernet 2.5G & 1Gbps	
		SD Card slot 1TB support	
		Universal USB-C Power and 1x HDMI	
		Fanless cooling supporting upto 70 degrees	
		Power Consumption 10W	
		Central Management system Workstation at Central location to view Multiple Video Recording hardware at central location On Request (Live . Playback and Management) with User based rights. (Qty as required).	
2	Workstation Client (Multiple Monitor supported)	Tower Mount	
		Intel core i7/i9 processor 14 th Gen or Better	
		Windows 11Pro / Linux OS.	
		64GB RAM DDR4 or Better	
		1x 512GB SSD	
		4TB Drive x1	
		2x 1GB Ports	
		Nvidia RTX 8GB or better	

Drone Surveillance

1	Type	Quad Copter	
2	Dimensions	940x940x220	
3	Weight (AUW)	4kg	
4	Construction Materials	Carbon Fiber	
5	Max Speed	10 m/s	
6	Max Flight Time	40 min	
7	Max Range	5 KM	
8	Battery Type & Capacity	Li-ion, 12.4Ah	
9	Motor Type	4006 380Kv	
10	Supported Propeller	15 Inch, 17 Inch	
11	Payload Type	Camera with auto stabilization	
12	Payload	Day Camera, IR Camera,	
13	Control and Connectivity	Controller type, GPS, App Support, Auto return home, Frequency 2.4GHz	
14	Safety Features	Failsafe feature, Emergency Stop	

Supporting Equipment:

1	Supporting Items	Passive items, Network Switches and Components, Internet Connectivity, Poles etc site wise (1 Lot) as per	
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	BOQ mentioned in the tender	
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Minimum Bill of Quantity to be quoted per site:

S. No	Item Description	Quantity	Remark
1	2 MP PTZ Camera with all accessories	5	
2	Open, extensible video management platform for recording and monitoring various ONVIF cameras with auto-failover, unlimited user licenses, desktop, web, and mobile clients with Intel Quick sync decoding, edge analytics with metadata recording, zoom-in crop Windows feature, adaptive streaming, smart search, recording export with time-lapse, email notification, LDAP integration, server health dashboard, and Windows, Ubuntu Linux compatibility also a public cloud application (No Static IP or Port forwarding required) built to enable simple, fast, remote connectivity and management.	5	
3	VMS Box with 1TB SSD. Min CPU – Quad Core ARM A76 – (6TOPs NPU) RAM 8GB DDR4 SSD 32GB eMMC – 1TB NVME OS Linux Ubuntu 20.04 Ethernet 2.5G & 1Gbps SD Card slot 1TB support Universal USB-C Power and 1x HDMI Fan less cooling supporting up to 70 degrees Power Consumption 10W	1	
4	POE – Switch min 8 Port or better to connect cameras, VMS Box, Router	1	
5	Router with SIM Based or Broadband for Internet connection	1	
6	Cat 6 cable and Other Passive Items	As per Site	

- **Rental cost of additional camera will be added proportionately.**
- **Minimum Drone to be kept with Bidder to take monthly once videography of each site**

ANNEXURE – V

UNDERTAKING:

(To be submitted on letter head)

- a) I, the undersigned certify that I have gone through the terms and conditions mentioned in the tender document and undertake to comply with them.
- b) The rates quoted by me are valid and binding upon me for the entire period of contract and it is certified that the rates quoted are the lowest quoted for any other facilities/hospital for last 6 months (enclosed necessary supporting documents)

The Tender Fees of Rs 11800/- & earnest money of Rs 5,00,000/- to be deposited by me has been enclosed here with vide DD/FD No..... Drawn on..... Bank.....Branch.

I hereby undertake to execute the items as per directions given in the tender document/supply order within stipulated period.

- c) I give the rights to the Managing Director to forfeit the earnest money deposited by me/us if any delay occurs on my part or failed to supply/install/testing/commissioning/maintenance of the CCTV Surveillance System etc. within the appointed time or the items of desired quality/specifications.
- d) There is no vigilance/CBI case or court case pending against the firm on company letter head.
- e) Undertaking for non-blacklisting against the firm on company letter head.
- f) In case at any stage, it is found that the information given by me is false/incorrect, BMSICL, Patna shall have the absolute right to take any action as deemed fit/without any intimation to me.

Date:-

Signature of the tenderer:-

Place:-

Full Name:-

Designation:-

(Office seal of the tenderer)

FINANCIAL BID (A)

MONTHLY RENTAL CHARGES

S. No	Item Description	Quantity	Quoted Amount per Month
1	2 MP PTZ Camera with all accessories	5	
2	Open, extensible video management platform for recording and monitoring various ONVIF cameras with auto-failover, unlimited user licenses, desktop, web, and mobile clients with Intel Quick sync decoding, edge analytics with metadata recording, zoom-in crop Windows feature, adaptive streaming, smart search, recording export with time-lapse, email notification, LDAP integration, server health dashboard, and Windows, Ubuntu Linux compatibility also a public cloud application (No Static IP or Port forwarding required) built to enable simple, fast, remote connectivity and management.	5	
3	VMS Box with 1TB SSD. Min CPU – Quad Core ARM A76 – (6TOPs NPU) RAM 8GB DDR4 SSD 32GB eMMC – 1TB NVME OS Linux Ubuntu 20.04 Ethernet 2.5G & 1Gbps SD Card slot 1TB support Universal USB-C Power and 1x HDMI Fan less cooling supporting up to 70 degrees Power Consumption 10W	1	
4	Central Management system Workstation at Central location to view Multiple Video Recording hardware at central location, tower mount, Intel core i7/i9 processor 14 th Gen or Better, Windows 11Pro / Linux OS, 64GB RAM DDR4 or Better, 1x 512GB SSD. Recording storage of minimum 10 snaps to be provided at HQ of each day for each site for minimum 1 year.	1	
5	55 Inch LED for viewing of Cameras at Central Location	2	
6	Skilled manpower at Headquarter for maintenance of entire system	2	
7	3 KVA Online UPS with 60 mins backup. One at HQ and one each at respective locations	2	
8	POE – Switch min 8 Port or better to connect cameras, VMS Box, Router	1	
9	Router with SIM Based or Broadband for Internet connection	1	
10	Cat 6 cable and Other Passive Items	As per Site	
11	Videography done by Drone as per tender requirement	As per Site	
GST Amount			
Total Value			

FINANCIAL BID (B)

Addition of per unit camera at required site

S. No	Item Description	Quantity	Quoted Amount per Month
1	2 MP PTZ Camera with all accessories, licenses, passive cabling.	1	
2	Open, extensible video management platform for recording and monitoring various ONVIF cameras with auto-failover, unlimited user licenses, desktop, web, and mobile clients with Intel Quick sync decoding, edge analytics with metadata recording, zoom-in crop Windows feature, adaptive streaming, smart search, recording export with time-lapse, email notification, LDAP integration, server health dashboard, and Windows, Ubuntu Linux compatibility also a public cloud application (No Static IP or Port forwarding required) built to enable simple, fast, remote connectivity and management.	1	
3	3 KVA Online UPS with 60 mins backup.	1	
4	Drone videography charges per site across state of Bihar	Per site	
	GST Extra as applicable		

NOTE: -

- 1. L1 will be decided on lowest rate quoted in Financial Bid (A)**
- 2. If Financial Bid (B) of L1 bidder is higher than L2 or other bidder then L1 bidder will be offered to match Lowest Values of Financial Bid (B) if L1 doesn't match the Lowest rate of Financial Bid (B) then offer passed on to L2 bidder.**
