

MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT

Quotation no.: CME/XEN(E-P)/quotation/2023/07



आईएसओ 9001-2015,
आईएसओ 14001-2015 तथा
आईएसपीएस अनुपालक पत्तन

QUOTATION

FOR

**“PROVIDING LIVE STREAMING OF CCTV FOOTAGE OF GATE NO.1
& 9 TO DESIGNATED REMOTE DESKTOP / MOBILE SETS OF GOA
STATE POLLUTION CONTROL BOARD (GSPCB)”**

Due at 11.00A.M on 04.07.2023

Website: <https://www.mptgoa.gov.in/>

MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT

Quotations are invited in a sealed cover from experienced firms duly superscribed as QUOTATION FOR "Providing live streaming of CCTV footage of Gate No.1 & 9 to designated remote desktop / mobile sets of Goa State Pollution Control Board (GSPCB)".

Details about Quotation:

Quotation No.	CME/XEN(E-P)/quotation/2023/07
Name of Work	Providing live streaming of CCTV footage of Gate No.1 & 9 to designated remote desktop / mobile sets of Goa State Pollution Control Board (GSPCB)
Completion Period	15 days from the date of issue of LOA
Estimated Cost (INR)	Rs.48,600/- (excl. of GST)
EMD	Rs.1,147/- (Rupees One Thousand One Hundred and Forty Seven only incl. of 18% GST) Bidder claiming exemption under MSE shall produce Udyam registration certificate as per Clause 1.2.2 of this document. Note: Bidders not providing EMD / producing exemption certificate before due date and time shall be disqualified.
Cost of Quotation Document	NIL
Delay in commissioning of Equipments	0.5% per week or part thereof, of delay of contract value subject to a maximum of 5% of contract value, GST @ 18% applicable. Details at Section-I, General Terms and Conditions, clause No 1.11.
Security Deposit	10% of the contract value as per Section-I, General Terms & Conditions, clause No 1.8.
Payment terms	100% payment on satisfactory completion of the works, acceptance by the Port and upon submitting undisputed bills alongwith relevant documents. Contractor bank details to be furnished as per Appendix-I.
Bid Submission	As indicated at clause no. 1.7.
Bid Validity	120 Days from the due date of submission of the quotation.
Date of submission	04.07.2023 till 11:00 Hrs.
Date of Opening	04.07.2023 at 11:30 Hrs
Address for communication and submission of bid:	Executive Engineer (E-P), Engineering Mechanical Dept., Mormugao Port Authority, Headland Sada, Goa – 403804.
Contact Details	Phone : 0832-2594243 ; Email : xenproj.mgpt@gmail.com
Website	https://www.mptgoa.gov.in/

EXECUTIVE ENGINEER (E-P)
MORMUGAO PORT AUTHORITY

SECTION – I

1.0. GENERAL TERMS AND CONDITIONS

1.1. Cost of the Quotation Document : NIL

1.2. Earnest Money Deposit :

1.2.1 The Bidder shall furnish an EMD of Rs.1,147/- (Rupees One Thousand One Hundred and Forty Seven only incl. of 18% GST), without EMD (except in case of Clause 1.2.A.2.) the quotation shall be treated invalid. The E.M.D. shall be submitted in the form of DD from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPA, payable at Vasco, Goa.

1.2.2. Micro and Small Enterprises (MSE) registered with District Industries Centre (DIC) or Khadi and Village Industries commission or Khadi & Industries Board (KVIB) or Coir Board or National Small Industries Corporation (NSIC) or Directorate of Handicrafts and Handlooms or Udyam Registration certificate or any other body specified by Ministry of MSME shall be exempted of EMD on producing self-attested valid supporting certificates issued by the governing body.

1.2.3. In the event of Bidder withdrawing his Bid before the expiry of bid validity period of 120 days from the date of opening of Price Bid, the Bid (Quotation) submitted by the Bidder shall be cancelled and EMD shall be forfeited.

1.2.4. The Earnest Money Deposit of unsuccessful Bidders shall be returned on award of Contract to the successful Bidder. No interest shall be payable on the amount of E.M.D in any case. The Earnest Money Deposit of the successful Bidder shall be refunded only on receipt of Security Deposit as stipulated in the Quotation enquiry.

1.2.5 In addition to above, the EMD shall be forfeited by the Port in the following events:

- i.) If the Bid is withdrawn or varied or modified in a manner not acceptable to Port during the validity or extended validity period as agreed by the Bidder.
- ii.) If the Bidder tries to influence the Bid evaluation, bid comparison or contract award decision.
- iii.) In case the Bidder, submits false certificate in terms of any documents supported to the Quotation / Enquiry.
- iv.) In case the bidder is found to indulge in corrupt or fraudulent practices at any stage including the execution of the contract.
- v.) In case the Contractor abandons the work.

1.3. Bid Security Declaration:

1.3.1. The Bidder, is required to submit the Bid security declaration as attached at Annexure-1. The Bid not accompanied with Bid security declaration shall be summarily rejected.

1.3.2. In the event of levying the penalty and/ or encashing of the Performance Security, GST is applicable and while imposing penalty GST as applicable shall be collected.

1.3.3. The bidder shall be disqualified/terminated and may be debarred for a period of three (3) years from participating for tenders at Mormugao Port Authority duly informing the MSE authorities if applicable, if

- i. the Bidder withdraws the Bid after Bid opening during the period of Bid Validity;

- ii. the successful Bidder fails within the specified time limit to
 - a) Fail to commence the work on the specified date as per LOA/Work order.
 - b) If the bid is varied or modified in a manner not acceptable to the Employer during the validity or extended validity period duly agreed by the Bidder.
 - c) If any information or representation submitted by Bidder is found to be false or incorrect.
 - d) Any effort by the Bidder to influence the Employer on bid evaluation, bid comparison or contract award decision.

1.4. Minimum Eligibility Criteria:

- a.) The Bidder shall have successfully completed one Similar Work during last 7 (Seven) years ending last day of month previous to the one in which quotations are invited. In support of this, the Bidder shall submit Self attested photo copies of LOA/work order/agreements showing the awarded contract value for "similar works" and satisfactory Completion Certificates issued by the Client, indicating the date of Completion and completed Contract Value failing which the work shall not be considered for evaluation. Also, the bidders are required to submit TDS certificates pertaining to the referred completed work. In case the Bidder has carried out and completed the works for MPA, then the work order may be furnished along with the duly filled in price schedule, the Completion certificate and TDS certificate need not be furnished.
- b.) The Bidder shall furnish valid (active status) GST registration, EPF and ESI registration (APPENDIX-II to be filled).

Note: **Similar works means** "Supply and installation of CCTV camera surveillance system at Central Govt. / State Govt. / Port Sector / PSU or any reputed organization".

1.5. Evaluation of the Bid:

1.5.1. An offer shall be considered responsive and for evaluation if:-

- (i) it is accompanied by requisite EMD or exemption certificate as per clause 1.2.2, with Bid Security Declaration as at clause 1.3.
- (ii) the validity of the offer is same as stipulated in the quotation document,
- (iii) it meets the Minimum Eligibility Criteria and have furnished work order copy, work completion certificate copy and other documentation as indicated at clause 1.4.
- (iv) The Bid is received by Port by due date and time of submission including any extension thereof.

1.5.2. In case the bidder submits Bid with alterations/additions, conditional offer / imposes own terms and conditions / does not accept tender conditions completely, his/her Bid **shall be summarily rejected**.

1.5.3. **Evaluation** will be done on Basic Price (Total of price in the Price Schedule (BOQ)) and lowest offer shall be considered among all Bidders for award of work. The rates offered shall be exclusive of GST. If any new tax imposed by the State/Central Govt., same shall be reimbursed by producing documentary proof. In case the rates quoted in figures and words are not identical, then rates entered in words shall be deemed as the price quoted for the item in question.

1.6. Bid Validity:

The Bid validity shall be 120 days from the due date of submission of the quotation.

1.7. Submission of Quotation

- 1.7.1. The sealed envelope containing EMD / MSE Registration certificate & Bid Security Declaration, work order; completion certificate, valid Electrical License, TDS certificate should be superscribed as 'Quotation for "Providing live streaming of CCTV footage of Gate No.1 & 9 to designated remote desktop / mobile sets of Goa State Pollution Control Board (GSPCB)", **alongwith another sealed envelope** superscribed as 'PRICE COVER', containing the duly filled price schedule and shall be dropped before the due date and time in the TENDER BOX located on second floor of the Port's Administrative Bldg. Mechanical Engineering Department at Headland Sada.
- 1.7.2. Bidder shall submit only one quotation by due date and time. In the event the Bidder is submitting more than one quotation, then all his quotations shall not be opened and summarily rejected.
- 1.7.3. The Bidder shall be allowed to be present during the opening of the quotation.

1.8. Security Deposit:

An amount equivalent to 10% of the contract value shall be deducted from the invoice generated by the Contractor and withheld as Security Deposit.

The same will be refunded to the contractor after one year from the date of satisfactory completion of work and acceptance by Port.

The Board may, at its option, forthwith forfeit the above Security Deposit in whole or part, if in the opinion of the Board the contractor has failed to fulfill any or all of the conditions of this contract without prejudice to any and all rights of the Board to recover from the contractor any amount falling due to the Board through non-observance by the contractor of any of the clause thereof.

1.9. Completion Period:

The entire work shall be completed within **15 days** from date of issue of Letter of Acceptance (LOA).

1.10. Payment Terms:

- i.) 100% payment after satisfactory completion of the works.

The payment will be released within 30 days from the date of receipt of undisputed bills in duplicate and with all other supporting documents (IT returns for last two years).

The contractor shall furnish their bank account details alongwith other details as per Appendix-I and copy of the PAN card and GST Registration. The payment will be made in ECS mode.

1.11. Delay in commissioning of equipments:

In the event of failure by the contractor to complete the execution of the work within the time stipulated in the contract or by the expiry of any period of extension granted by the Board's terms thereof, the contractor shall pay the Board as 'delay in commissioning of equipments' for delay to complete the work, a sum of 0.5% per week or part thereof of contract value subject to a maximum of 5% of contract value and the Board shall have the power to deduct this amount from the payment of the amounts due to the contractor. The GST @18% on the amount will be deducted at the time of making payment to Vendors/Contractors.

1.12. EPF/ESI: Applicability of EPF and ESI Act. (Applicable in-case of manning)

The Bidder / Contractor shall ensure strict compliance of the labour laws including those under the Employees State Insurance Act, 1948 and the Employees Provident Fund & Miscellaneous Provisions Act, 1952 and rules and regulations framed therein.

The Bidder / Contractor shall ensure that the statutory contribution towards the Employee State Insurance Act, 1948 and the Employees Provident Fund & Miscellaneous Provision Act, 1952 in respect of the employees engaged by him are deposited with the authority concerned and a proof having deposited the contribution should be produced at the office of CME by 10th of the succeeding month in which the payment was due.

In the event any Bidder raises a dispute that he is not covered under the provisions of Employees State Insurance Act, 1948 and the Employees Provident Fund & Miscellaneous Provision Act, 1952 such Bidder should obtain Certificate from the Competent Authority of EPF under these Acts and produce the same documentary evidence at the office of the Chief Mechanical Engineer.

The amount recovered if any, as statutory dues in respect of the Employees Provident Fund and Miscellaneous Provisions Act, 1952 and the Employees State Insurance Act, 1948 shall be released only after producing documentary evidence / no dues certificate from the authorities under these Acts.

1.13. Security & Safety Requirements: (as applicable)

It will be entirely the contractor's responsibility to take required steps to adequately safeguard the personnel carrying out the work and to ensure that the work is carried out in such a manner that maximum safety to the personnel is assured. Further any insurance of the personnel as per regulations in force has to be taken care of by the contractor.

The contractor shall comply with all regulations imposed by the customs and Port security authorities in respect of the passage of vehicle, materials and personnel through customs and Port barriers. No photographs/films of the work or any part thereof and of Plant/premises shall be taken or permitted to the contractor without the specific approval of the General Administration Department of the Port.

1.14. Gate Pass:

Necessary RFID entry passes shall be obtained by the Contractor at their own cost with the approval of Port Officials for entry into Port area. The same can be obtained online from our website www.mptgoa.gov.in.

1.15. Injury/Damage to persons and property:

i.) The contractor shall take all precautions while carrying out the contract work against any possible damage to Port property. Should any such damage be done by the contractor, he shall make good or bear the cost of making good the same, when brought to his notice, without delay to the satisfaction of the Engineer, failing which the same will be recovered from the bill.

ii.) The contractor shall indemnify the Port against any claim that may arise for any damage to or loss to Port property or injury caused to Port personnel or to any labour engaged by the contractor, during the execution of the contract. The Port will not be responsible for any failure on the part of the contractor or his agent to take necessary measures or precautions in this regard. In this regard contractor will be wholly responsible, if any injury/death of his person on duty, and

contractor shall take necessary insurance policy to cover the staff while at work to meet any such eventualities.

1.16. Force Majeure:

Notwithstanding anything in this contract to the contrary, neither the MPA nor the contractor shall be liable or deemed to be in default for any failure or any delay in performance hereunder, if caused by “force majeure” which term shall mean but not be limited to fire, explosion, natural causes like flood, earthquake, civil commotion, strikes epidemic, pandemic and other acts of God, action of enemies, act of any government or other similar causes beyond the control of the party affected, who shall notify the other party within a reasonable time from the beginning of the operation of said cause and shall thereafter exert all diligence to overcome such cause of delay and resume performance.

1.17. Personal Protective Equipment's:

The Contractor shall be solely responsible, at his own cost, for the supply of required PPE to his workers and staff and he shall also ensure the use of PPE such as helmets, safety shoes, nose masks, hand gloves, Safety Harness or any other equipment as required depending on nature of work by his staff at site.

1.18. Foreclosure of Contract

Notwithstanding anything in the contract document, the contractor agrees that the Port shall be entitled to foreclose the contract on occurrence of the following events:

- i. In the event of breach of contract by the Contractor
- ii. An emergency or
- iii. for national security and /or national interest and /or public reasons.

Upon the occurrence of the events specified in the above (i),(ii) and (iii)above, the Port reserves the right to fore close the contract at any point of time during the contract period on the issue of the termination notice. The Port shall not be liable to compensate the contractor or any other person for any losses or estimated loss of profits during such period.

1.19. Work not to sublet:

The contract shall not be assigned or sublet.

1.20. Indemnification: (if applicable)

The contractor shall be deemed to indemnify and keep indemnified the Port from and against all actions, claims, demands and liabilities whatsoever under and in respect of the breach of any of the provisions of any law, rules or regulations having the force of law, including but not limited to –

- a) The Minimum Wages Act, 1948.
- b) The Dock Workers (Regulation of Employment) Act, 1948
- c) The Building And Other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996
- d) The Dock Workers' Safety, Health & Welfare Act, 1986
- e) The Payment of Wages Act, 1936.
- f) The Workmen's Compensation Act, 1923.
- g) The Employees Provident Fund Act, 1952.
- h) The Contract Labour (Regulation and Abolition) Act, 1970; Rules 1971.
- i) The Payment of Bonus Act, 1965.

- j) The Payment of Gratuity Act, 1972.
- k) The Equal Remuneration Act, 1976.
- l) The Employees State Insurance Act, 1948 & Employees State Insurance (Amendment) Act, 1989
- m) Child Labour (Prohibition and Regulation) Act, 1986.
- n) The Maternity Benefits Act 1961
- o) Interstate Migrant Workmen (Regulation Of Employment & Conditions Of Service) Act, 1979.
- p) Motor Vehicle Act, latest revision

1.21. Taxes:

The contractor shall be registered under GST and shall furnish documentary evidence in support of valid GST registration.

The Contractor shall remit the GST amount in the invoice to the Government within the due dates and also file the returns by mentioning the GSTIN of the Mormugao Port Authority (MPA) (formerly Mormugao Port Trust) to enable Port to avail eligible Input Tax Credit (ITC). The Contractor shall indemnify MPA from any loss of eligible ITC of GST paid by it to the Contractor based on their tax invoice, due to non-payment of GST or non-filing of GST returns by the Contractor or non-compliance of GST Act/provisions. The Contractor shall remit such GST amount with applicable interest and penalties to the MPA within 7 days from the date of intimation by MPA about non-availing of eligible ITC. MPA also reserves its right to deduct such GST amount with interest and penalties from the subsequent bills, Security Deposit or any amount due to the contractor by MPA.

1.22. DEFAULT OF THE CONTRACTOR

If the Contractor makes any default or on the happenings of anyone or more of the following events that is to say;

- a. If the Contractor without reasonable cause abandons the Contract or
- b. Suspends the carrying out of the Works for a reasonable time after receiving written notice from the MPA without any lawful excuse or fails to make proper progress with Works after receiving written notice from the Engineer or
- c. Fails to proceed diligently with the work or
- d. Fails to give the MPA proper facilities for inspection of the Works of any part thereof for three days after receiving notice in writing by the MPA demanding the same or
- e. The Contractor has become insolvent or
- f. The Contractor has gone into liquidation or passes the resolution for winding up or
- g. Upon the Contractor making an arrangement with or assignment in favour of his creditor or
- h. Upon his assigning this contract or
- i. Upon an execution being levied upon the Contractor's good or
- j. Upon winding up order being passed by the court or a Receiver or manager is appointed in respect of any of the property of the Contractor or
- k. Possession is taken by or on behalf of any holder of any debentures secured by floating charges of any of the property of the Contractor or
- l. Fails to complete all or any part of the Works during the time specified for completion of the Contract or such extended time as may be granted by the MPA.

1.23. TERMINATION OF THE CONTRACT

1. In the event of repeated instances of unsatisfactory service or any failure at any time on the part of the contractor to comply with the terms and provisions of this contract to the satisfaction of MPA (who shall be the sole judge and whose decision shall be final), it shall

also be open to MPA to terminate this contract by giving not less than Ninety (90) day's notice in writing to that effect and if the contractor, does not make good his default within the notice period, MPA shall be entitled to terminate the contract as a whole or in part duly informing MSME if applicable. In the event of such termination of the contract, MPA shall be entitled to:

- (i.) encash the Performance Guarantee as it may consider fit;
 - (ii.) get the balance/remaining work done by making alternative arrangements as deemed necessary and until such time MPA is able to appoint a new regular Contractor; and recover from the contractor (appointed under this tender) any extra expenditure incurred by MPA in getting the work done and damages which MPA may sustain as a consequence of such action.
1. If the extra expenditure incurred by MPA on account of unsatisfactory performance of the contractor as mentioned in paragraphs above is more than the Performance Security proposed to be encashed, the expenditure over and in excess of the Performance Security may be recovered by deducting the said amount from pending bills of the contractor under this tender or from money due to the contractor by MPA under this or any other contract or otherwise. The contractor shall have no claim whatsoever against MPA, in consequence on such recoveries or termination of the contract, as stated above.
 2. if at any time the contractor becomes insolvent or files an application for insolvency or any creditor of his moves the court for adjudicating him as an insolvent or, if he is convicted by any court of law, withdraws from the contract, MPA will have the absolute option of terminating the contract forthwith and he shall have no right for damages or compensations on this account.

1.24. DEBARMENT FROM BIDDING

- (i) A bidder shall be debarred if he has been convicted of an offence—
 - (a) Under the Prevention of Corruption Act, 1988; or
 - (b) The Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a service contract.
- (ii) A bidder debarred under sub-section (i) or any successor of the bidder shall not be eligible to participate in the Port tenders for a period not exceeding three years commencing from the date of debarment.
- (iii) Port may debar a bidder or any of its successors, from participating in any tenders undertaken by it, for a period not exceeding two years, if it determines that the bidder has breached the Code of Integrity.
- (iv) In the event of premature termination of contract in terms of provisions of clause 1.21 & 1.22 above, MPA shall also be entitled to debar the Contractor for participation in future tenders of MPA for a period of three (03) years.

Other terms and conditions: (as applicable)

- i) All tools and tackles shall be arranged by the Contractor at their own cost.
- ii) **The Bidders are advised to visit the site and get acquainted regarding the nature of the work involved at site conditions before quoting the rate.**

- iii) The technical specification at Section II and Price Schedule (Bill of Quantities) at Section III to be read in conjunction to ensure the actual supply and works involved.
- iv) The Crane shall be provided by the Port on chargeable basis for execution of the work.
- v) The contractor shall provide any other items which have not been specifically mentioned in the Price Schedule (Bill of Quantities), but which are found necessary for completion of the works without incurring any additional expenditure to the Port.
- vi) The Contractor shall pay the labour engaged by him for the work a fair wage, as may be fixed by the Labour Department of the State as per the applicable Minimum Wages Act. The payment shall be strictly made to the labour by the contractor through Bank Account.
- vii) Address for communication and submission of bid:
 - 1.) Executive Engineer (E-P)
2nd floor A.O. Bldg, Headland Sada, Engineering Mechanical Dept., Mormugao Port Authority, Mormugao, Goa – 403804.
Phone: 0832-2594243.
- xi) Further amendments if any, visit our website <https://www.mptgoa.gov.in/>

**EXECUTIVE ENGINEER (E-P)
MORMUGAO PORT AUTHORITY**

SECTION-II

TECHNICAL SPECIFICATION

1.0. GENERAL :

Mormugao Port Authority intends to take up the work of providing live streaming of CCTV footage of Gate No1 & 9 to remote desk top/mobile sets through a dedicated Broad band connectivity. The work involves supply, installation, testing and commissioning of complete CCTV surveillance system and transmission of live feed to remote desk top/mobile sets. The entire system will be under guarantee period for a period of 01 years after handing over the system to Port.

2.0 SCOPE OF WORK:

Supply, Installation, testing & commissioning of IP cameras complete with housing and mounting kit and all other accessories including NETWORK VIDEO RECORDER, POE switches, Junction Boxes, Supply and laying of CAT6, PVC casing capping and providing broad band connectivity with a minimum speed of 10 Mbps to feed the live footage to desk top/mobile sets at MPA/GSPCB.

- i) Supply, Installation testing, commissioning and handing over of 3 numbers of IP cameras(outdoor) 2MP complete with Camera housing and all other accessories including Camera Mounting structures if required
- ii) Supply, Installation, testing, commissioning and handing over 1 number of Network Video Recorder of 4 Channel complete with all accessories including necessary software for sharing the feed to mobile/desktop at remote locations.
- iii) Supply, Installation, testing, commissioning and handing over of 2 nos. of 4 port 100 mbps POE network switch.
- iv) Supply and laying CAT 6 indoor Network Cable through PVC casing capping.
- v) Providing suitable dedicated broad band internet connection by duly ensuring adequate network/range is available in the work domain at both areas under consideration of minimum 10 Mbps with one year subscription plan.
- vi) Configuration of all equipment as necessary including transmission/loading of designated Apps etc. to carry live feed to remote desktop/mobile hand sets and providing 1 year on site support after completion of work.

2.2 STANDARDS and CODES

The Fixed Cameras and Network Video Recorders shall comply with ONVIF standards and shall be UL/CE and FCC Certified. Each Camera shall be supplied along with accessories like Camera mounting GI Fixture with suitable base for Grouting.

2.3 Detailed Technical Specifications:-

(a) IP fixed Bullet Cameras for Outdoor Duty

Total sensor pixels	2 Megapixel
Sensor Type	1/2.7" (+/- 10%), Progressive Scan CMOS,
Lens	Fixed
Frame Rate	25/30fps (1920x1080)
Minimum Illumination(Color/Monochrome)	0.08Lux@F2.0@1/25s
Video functions	Digital zoom
	3DNR(Dynamic Noise Reduction)
	HLC and Backlight Compensation
	ICR (Auto Day night)
IR distance	20 meter
Input Voltage	Dc 12V and PoE with IEEE standard
Ingress Protection	IP66 by default without any adaptation
Video compression	H.264/MJPEG
Streaming Capacity	Two-Stream
Memory	Card of 64GB
ONVIF	ONVIF compliant
Certifications	UL/CE and FCC

Note: Cameras shall be supplied with suitable Power supply and its mounting arrangements as per site conditions i.e. wall, pole mount any with all required accessories & fitments. Each Cameras shall be provided with necessary additional circuits with Ethernet Surge Protectors to protect the units from High Voltages.

2.3.1 Network Video Recorder 4 Channel

The proposed system shall be supplied with 4 channel NVR with necessary software to transmit live feed and shall be ONVIF compliant with following specifications.

No of Channels supported	4 channels
Power Input	12DC, 5A
Support Image Format	H.264/MJPEG
Max number of cameras	4
Supported browser	OS windows 7/8/10
ALARM	Input- 32, Output - 4
External storage	USB port
Output	2 HDMI port
Network Interface	2 number of 10M/100M/1000M
ONVIF	ONVIF compliant
Certifications	UL/CE and FCC

NVR shall be supplied with suitable video management software for parallel monitoring on PC, recorded images if required shall be downloaded in PC also. NVR shall support external storage device also for future expansion of storage systems. The system shall be supplied with power cord, Audio/Video cables, necessary software etc.

2.3.2. Supply and installation of 4 Port POE network switch

Supply and Installation of 4- port GbE Fast and Smart Managed PoE Switch with 100 Mbps Ethernet PoE Ports, 2 combo (RJ-45/SFP), PoE ports 130 watt or better, Switching 20 Gbs or better, Operating Temperature- 0 degree centigrade to 50 degree centigrade or better.

2.3.3. Supply and laying of CAT-6 cable

Supply and Laying of CAT-6 indoor type UTP weather proof cable suitable for indoor/outdoor cameras (CCTVs), CAT 6 UTP Cable Transmission frequency of 250 MHz (Minimum).

2.3.4. Supply and laying of Casing capping

Supply and Laying of PVC casing capping of suitable size to be fixed on wall (including with saddle, Gitti at sufficient distance with junction box, bend etc.). Cost is inclusive of the laying cost of CAT-6.

2.3.5. Miscellaneous Items

Misc items, like saddles, fitting materials, screws, nuts, fasteners, jointers, sealants, RJ45, accessories, 3 core 1.5 sq.mm PVC flexible wire, 2 nos. 5A switch socket combined etc as required for the total commissioning, to be provided by the Contractor to commission the system successfully.

2.3.6. Fiber Broadband connection with one year subscription:

The Contractor shall make necessary arrangement to obtain a new fiber broadband connection with one year subscription under company name with minimum 10Mbps bandwidth speed in order to feed the live footage of proposed 3 nos. cameras. The broad band modem and other to be commissioned at Administrative Office, Headland, Sada.

The new Broadband connection comprising of modem and associated components, fiber & power cable, etc shall have to be arranged by Contractor.

The contractor shall follow up and coordinate with Internet service provider for new connection and commissioning the same. All charges required for new broadband connections with one year subscription will have to be paid by the Contractor.

2.3.7. Remote Viewing facility

The Contractor shall make arrangement so that live streaming of 3 nos. cameras shall be made available on web browser and on desktop/Mobile to designated 03 nos. of Mormugao Port officials at Goa including third party officials. Minimum 03 Nos. of users shall be able to view live remote streaming simultaneously on monitor/Mobile.

The Contractor shall suitably train the Port's officials as mentioned above, to view the live streaming of cameras.

2.3.8. System Overview/ General Features:

- System capable to work for Day & Night operations (Automatic)
- All such locations where mounting structures and related accessories are required should be provided by the contractor within the cost quoted. Site survey should be undertaken.
- All equipment's should be suitable for 24 Hours duty cycle.
- All required equipment's mentioned/not-mentioned but required for smooth running of system is to be in outdoor weatherproof enclosure.
- **Viewing features:**
- Adjust brightness, Contrast, Saturation & hue for a clearer view

- Support digital zoom in to view specific areas

2.3.9. INSTALLATION & COMMISSIONING

1. The Contractor shall carry the work as per the BOQ.
2. The Contractor shall commence and complete the work within 15 days from date of issue of LOA to the satisfaction of the Chief Mechanical Engineer or his representative. Necessary scaffolding and safety measures for entire erection shall be done by the contractor.
3. The Cameras, NVR and all the other equipments supplied shall be installed, tested, commissioned and handed over. The special tools instruments needed for regular servicing / maintenance working shall be supplied free of cost by the Contractor. All the materials required for the installation and commissioning at site including the materials for civil works required for Installation and commissioning of camera mounting structures shall be supplied by the Contractor. Misc items, like saddles, fitting materials, switch, sockets, screws, nuts, fasteners, jointers, sealants, accessories, etc as required to run the system included in quote.
4. The work should be carried out with utmost precaution not to disrupt existing CCTV system in any way.
5. The installation of the various equipment's shall be carried as per the site conditions and as directed by the EIC. The Contractor shall carry out the works in co-ordination with the on-going AMC Contractor.
6. Special care may be taken to prevent any damage to the Port's property during installation and commissioning. The workmanship shall be neat, clean and elegant/ asthetic in appearance and painting of brackets etc. to be done with Marine paint to withstand saline atmosphere prevailing in the area.
7. All the quantities indicated in the price schedule/BoQ are indicative. However, the work shall be carried out as per site conditions. Payment will be released as per actual executed quantities after completion of work.
8. **Technical brochures/ data sheets of Cameras, and NVR should be submitted with the tender specifically for models the tenderer intends to supply.**
Note: Change in the location of cameras will be at the discretion of the Engineer.
9. Power and water will be provided by the Port on free of cost.

2.4. Manuals, Drawings

On completion of the work the Contractor shall supply 3 sets of operation and maintenance manuals after commissioning. The soft copy of all the As built drawings and manuals should also be provided which shall include General arrangement with principal details, Schematic line diagrams (SLD), and any other special features implemented in the system.

2.5. TESTS

Relevant CE or UL certificate and ONVIF standards for Cameras and NVR etc shall be submitted along with materials to the satisfaction of the Chief Mechanical Engineer or his representative, failing which the materials will be rejected by Port.

2.6. GUARANTEE

The installation shall be guaranteed for 12 months from the date of acceptance and free maintenance shall be done during the guarantee period.

2.7. MAINTENANCE DURING GUARANTEE PERIOD.

1. The contractor shall provide one-year guarantee for the equipment's installed. The maintenance during guarantee period shall include replacement of all defective components of the system including the cameras.

2. During the one year guarantee period, the Port shall not bear any charges incurred by the contractor for deputing the skilled manpower or materials to carry out any form of repairs.
3. The Contractor shall arrange his own tools and tackles including ladder for carrying out the works during the installation and guarantee period.
4. During warranty period if any of the equipment supplied by the Contractor i.e camera, NVR etc. are found defective /Damaged, same has to be replaced by the Contractor at their cost. Therefore Bidders shall assess the environmental conditions, wind speed etc in respect to the supply of quality of equipment's and workman ship so as to ensure continual stability in running of system successfully. The bidder shall maintain basic inventory of required spares for upkeep of the CCTV Camera Surveillance systems during the warranty period.
5. In case need arises, the technicians should be present after office hours and during holidays without any cost and liability to the Port. The tenderer shall provide contact telephone number/ mobile and E-mail address to also register complaints at his office.

2.8. OTHER TERMS AND CONDITIONS :

- i. The firm is advised to visit the site and get acquainted with the nature of the work involved at site conditions before quoting the offer.
- ii. The Technical Specifications and price schedule (bill of quantities – BOQ) should be read in conjunction to ensure the actual works involved.
- iii. The firm should engage skilled service personal with the relevant required tools and instruments for executing/commissioning of the work.
- iv. MPA will not be responsible for any loss or damage of men/ materials/ tools/ equipment's engaged by the bidder during the work at site /transportation.
- v. The bidder should indicate the GST No in the invoice.
- vi. No advance payment will be made.
- vii. Final payment will be made only after successful completion of the entire work to the satisfaction of the Engineer in charge.
- viii. The Contractor is required to offer rates as per Port's format "Schedule-A1" without fail and indicate taxes and duties if any applicable. Port will not produce Form C or D.
- ix. Technical and Commercial conditions shall be clearly furnished in the quotation. The offer shall indicate the make and model of the equipment and shall accompany with the relevant technical leaflet.
- x. The rate should be quoted as per unit.
- xi. The rate quoted should be maintained till the completion of supply and no upward price revision will be agreed to.
- xii. The Contractor must comply with the Safety aspects as governed by the relevant edition of Indian Electricity Rules and Industrial Safety, the contractor shall be responsible for overall safety.
- xiii. ADDITION & DELETIONS: CME reserves the right to add or delete the above mentioned quantities of CCTV cameras by around 10% of the quantity during the currency of the contract and his decision is final and binding upon the contractor.

**EXECUTIVE ENGINEER (E-P)
MORMUGAO PORT AUTHORITY**

SECTION-III

PRICE SCHEDULE (BILL OF QUANTITIES – BOQ)

Name of the Work: "Providing live streaming of CCTV footage of Gate No.1 & 9 to designated remote desktop / mobile sets of Goa State Pollution Control Board (GSPCB)."

Quotation No.: CME/XEN(E-P)/quotation/2023/07

Sr. No.	Description of work	HSN / SAC Code	Unit	Qty	Rate Per Unit (Rs)		Applicable GST (%)	Amount (Rs)
					In Fig	In words		
A	B	C	D	E	F	G	H	I=EXF
1.	Supply, Installation, testing and commissioning of IP based bullet 2MP outdoor type Camera as per technical specification at Section-II							
	a) Supply		No.	3				
	b) Installation, testing and commissioning		No.	3				
2	Supply, Installation, testing and commissioning of Network Video Recorder of minimum 4 Channel as per technical specification at Section-II							
	a) Supply		No.	1				
	b) Installation, testing and commissioning		No.	1				
3	Supply, installation, Testing & Commissioning of 4 Port 100 Mbps POE Switch as per technical specification at Section-II							
	a)Supply		Nos.	2				
	b)Installation, Testing and Commissioning		Nos.	2				
4	Supply & laying of CAT 6 Indoor Cable with suitable size casing capping as per Technical specification at Section-II		Mtr	100				
5	Providing fibre broadband connection with one year subscription as per Technical specification at Section-II		LS	1				

Sr. No.	Description of work	HSN / SAC Code	Unit	Qty	Rate Per Unit (Rs)		Applicable GST (%)	Amount (Rs)
					In Fig	In words		
6	Configuration of all equipment, supervision and relevant documentation		LS	1				
Total (in figures)								

Total (In Words) Rupees _____

_____ only.

Date:

Signature:

Place:

Name:

Address:

Office Seal of firm

- Note:** 1. The rates quoted shall be inclusive of transportation etc. but exclusive of GST. Applicable GST shall be paid extra as applicable.
2. Evaluation will be done on Basic Price (Total of price in the Price Schedule (BOQ)) and shall be considered lowest among all Bidders for award of work subject to approval by Competent Authority.
3. The quantity specified in BOQ is indicative, however, payment will be made as per actuals.
4. The rates in figures and words should be the same, any discrepancies observed, the rate indicated in words shall be considered for evaluation. Also, any discrepancy noticed while calculating amount or summing up the total, the value indicated in words shall be considered for evaluation.

BID SECURITY DECLARATION FORM

Date: _____ Quotation No. CME/XEN(E-P)/quotation/2023/07

To,

The Executive Engineer (E-P),
MPA, Headland Sada Vasco.

Sub : Quotation for “Providing live streaming of CCTV footage of Gate No.1 & 9 to designated remote desktop / mobile sets of Goa State Pollution Control Board (GSPCB)”.

I/We, the undersigned, declare that:

I/We understand that, according to tender conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with MPA for a period of three (3) year from the date of notification if I am /We

- a. are in a breach of any obligation under the bid conditions,
- b. made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements;
- c. If the bid is withdrawn or varied or modified in a manner not acceptable to the Employer during the validity or extended validity period duly agreed by the Bidder
- d. Any effort by the Bidder to influence the Employer on bid evaluation, bid comparison or contract award decision.
- e. Fail to commence the work on the specified date as per LOA/Work order and/or.
- f. sign the Agreement AND / OR furnish the required Performance security.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: _____ (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: _____ (insert complete name of person signing the Bid Securing Declaration) Duly authorized to sign the bid for an on behalf of _____(insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

BANK DETAILS FOR ECS PAYMENT

1. Name of the Bank and Branch :
2. Account Number :
3. MICR Number :
4. Type of Account :
5. IFSC Number :
6. Copy of PAN Card :
7. TIN Number :
8. GST Regn. No.:
9. EPF No. :
10. ESI Regn. No.

Firm's Sign and Seal

Place:

Date:

GST DETAILS FORM

Sr No	Particular	Mormugao Port Authority	Data Required from the Party
1	Customer Name as per GST Registration Certificate	Mormugao Port Authority	
2	Full Postal Address	Administrative Building, Headland Sada.	
3	City	Goa	
4	Pin code	403 804	
5	PAN	AAALM0293P	
6	Type of Person	Local Authority	Company/Firm/Individual /Trust/LLP/AOP
7	Resident/Non Resident as per Income Tax Act	Resident	
8	ARN No.	AA30617001663N	
9	GST No.	30AAALM0293P1ZY	
10	PPOB (Principal Place of Business) or APOB (Additional Place of Business)	PPOB	
11	Reason for Non Registration (Turnover Limit / Non Taxable Supply / Other Reason)	NA (Registered Under GST)	
12	Type of Customer (Manufacturer/Trader/Importer/Depot/Service Provider/Works Contractor/Principal/Consumer)	Service Provider	
13	Whether Falling under SEZ unit or Developer? (Yes or No)	No.	
14	Whether B2B or B2c (B= Business & C= Customer)	B2B	
15	Whether Opted for Composition Levy Scheme? (Yes or No)	No.	
16	Whether falling under casual taxable person as per Section 2(20) of CGST Act,2017 (yes or No)	No.	
17	Whether falling under Non Resident taxable	No.	

	person as per section 2(77) of CGST Act, 2017 ? (Yes or No)		
18	Central Excise Registration No.	--	
19	Service Tax Registration No.	AAALM0293PST001	
20	VAT - TIN	30181201096	
21	CST - TIN	V/CST/1683	
22	IEC	1706000073	
23	Contact Details :		
	Name	Shri.Anant Chodnekar	
	Designation	FA&CAO	
	Phone No.	0832-2521132	
	E-mail	facao@mptgoa.gov.in anant.chodnekar@mptgoa.gov.in	

I, Mr./Mrs. _____ (Proprietor/Partner/Director) of M/s _____ do certify that the information given above is complete and correct.

Place: _____

Signature

Date: _____

(Name: _____)