

MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT

Quotation no.: CME/XEN(E-P)/quotation/2022/15



आईएसओ 9001-2015 पत्तन
AN ISO 9001-2015 PORT

QUOTATION

FOR

“SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 06 NOS. IP BASED 4MP OUTDOOR TYPE IR DOME CAMERA, 02 NOS. IP BASED 4MP OUTDOOR TYPE BULLET CAMERA COMPLETE WITH ALL ACCESSORIES ALONG WITH COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT FOR 05 YEARS AFTER COMPLETION OF 01 YEAR GUARANTEE PERIOD AT TPC, MUMBAI.”

Due at 11.00A.M on 24.01.2023

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

MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT

Quotations are invited in a sealed cover from experienced firms duly superscribed as QUOTATION FOR "Supply, Installation, Testing and Commissioning of 06 Nos. IP Based 4MP Outdoor Type IR Dome Camera, 02 Nos. IP based 4MP Outdoor Type bullet camera complete with all accessories along with Comprehensive Annual Maintenance Contract for 05 years after Completion of 01 Year Guarantee Period at TPC, Mumbai."

Details about Quotation:

Quotation No.	CME/XEN(E-P)/quotation/2022/15
Name of Work	Supply, Installation, Testing and Commissioning of 06 Nos. IP Based 4MP Outdoor Type IR Dome Camera, 02 Nos. IP based 4MP Outdoor Type bullet camera complete with all accessories along with Comprehensive Annual Maintenance Contract for 05 years after Completion of 01 Year Guarantee Period at TPC, Mumbai.
Completion period	45 days from date of issue of LOA for Supply, Installation, Testing and Commissioning.
CAMC Period	5 years after the expiry of guarantee period of one year from commissioning / handing over.
Estimated Cost (INR)	Rs. 4,96,500/- (excl. of GST)
EMD	Rs.11,717/- (Rupees Eleven Thousand seven hundred and seventeen only incl. of 18% GST) Bidder claiming exemption under MSE shall produce relevant certificate as per Clause 1.2.A.2 of this document, alongwith Bid Security Declaration as per clause 1.2.B. Note: Bidders not providing EMD / Bid Security Declaration (producing exemption MSME certificate) before due date and time shall be disqualified.
Cost of Quotation Document	Rs.590/- (Rupees Five hundred and ninety only incl. of 18% GST) Bidder claiming exemption under MSE shall produce relevant certificate as per Clause 1.2.A.2 of this document, alongwith Bid Security Declaration as per clause 1.2.B. Note: Bidders not providing EMD / Bid Security Declaration (producing exemption MSME certificate) before due date and time shall be disqualified.
Security Deposit	3% of the contract value as per Section-I, General Terms & Conditions, clause No 1.7.
Payment terms	Payment will be released as per actual executed quantities 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.
Delay in commissioning the equipment	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 & Conditions, clause No 1.11.

Damage charges for non-compliances	As detailed at Section-I, General Terms & Conditions, clause no.1.12
Bid Submission	As indicated at Section-I, General Terms & Conditions, clause no. 1.6.
Bid Validity	120 Days from the due date of submission of the quotation.
Date of submission	24.01.2023 till 11:00 Hrs.
Date of Opening	24.01.2023 at 11:30 Hrs
Address for communication & submission	Executive Engineer (E-P), Engineering Mechanical Dept., Mormugao Port Authority, Headland Sada, Goa – 403804.
Contact	Phone : 0832-2594243 ; Email : xenproj.mqpt@gmail.com
Website	https://www.mptgoa.gov.in/

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

SECTION – I

1. GENERAL TERMS AND CONDITIONS

1.1. Cost of the Quotation Document:

1.1.1. The Bidder is required to furnish Document cost of Rs.590/- (Rupees Five Hundred and Ninety only) (incl. of 18% GST) in the form of DD from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPA, payable at Vasco, Goa, to be submitted along with the Quotation. The Document cost is non-refundable.

1.1.2. 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 Udhya Registration certificate or any other body specified by Ministry of MSME shall be exempted of payment of document cost on producing self-attested valid supporting certificates issued by the governing body.

1.2.A. Earnest Money Deposit:

1.2.A.1. The Bidder shall furnish an EMD of Rs.11,717/- (Rupees Eleven Thousand seven hundred and seventeen 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.A.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 Udhya 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.A.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.A.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.A.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.

1.2.B. Bid Security Declaration:

1.2. B.1.The Bidder, registered with MSME, 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.

- 1.2.B.2. In the event of levying the damage charges for non-compliance and/ or encashing of the Performance Security, GST is applicable and while imposing damage charges for non-compliance. GST as applicable shall be collected.
- 1.2.B.3. The bidder shall be disqualified/terminated and may be debarred for a period not exceeding three (3) years commencing from the date of debarment, from participating for tenders at Mormugao Port Authority duly informing the MSE authorities if applicable, if
- a. the Bidder withdraws the Bid after Bid opening during the period of Bid Validity;
 - b. the successful Bidder fails within the specified time limit to
 1. Fail to commence the work on the specified date as per LOA/Work order.
 2. 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.
 3. If any information or representation submitted by Bidder is found to be false or incorrect.
 4. Any effort by the Bidder to influence the Employer on bid evaluation, bid comparison or contract award decision.

1.3.1. Minimum Eligibility Criteria:

- i.) 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 of value not less than Rs.2,48,250.00. 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.
- ii.) 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".

1.4. Evaluation of the Bid:

1.4.1. 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.A.2 with Bid Security Declaration as at clause 1.2.B.
- (ii) the validity of the offer is same as stipulated in the quotation document,
- (iii) it meets the Financial Eligibility Criteria as indicated at 1.3.1.
- (v) it meets the Minimum Eligibility Criteria and have furnished work order copy, work completion certificate copy and other documentation as indicated at clause 1.3.2.
- (vi) The Bid is received by Port by Due date and time of submission including any extension thereof.

1.4.2. Incase 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.

1.4.3. **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.

1.5. Bid Validity:

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

1.6. Submission of Quotation

- 1.6.1. The sealed envelope containing EMD / MSE Registration certificate & Bid Security Declaration, work order; completion certificate, TDS certificate should be super-scribed as 'Quotation for "Supply, Installation, Testing and Commissioning of 06 Nos. IP Based 4MP Outdoor Type IR Dome Camera, 02 Nos. IP based 4MP Outdoor Type bullet camera complete with all accessories along with Comprehensive Annual Maintenance Contract for 05 years after Completion of 01 Year Guarantee Period at TPC, Mumbai."', 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.
- 1.6.2. 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.
- 1.6.3. The Bidder shall be allowed to be present during the opening of the quotation, in-case he/she desires to. However, necessary COVID-19 related SOPs to be followed and valid RT-PCT test report / vaccination certificate to be produced before the CISF at the main gate.

1.7. Security Deposit:

The contractor shall within 15 days from the date of issue of PO, shall furnish a DD towards Security Deposit equivalent to 3% of the contract value, rounded off to nearest 100 rupees. This Security Deposit will be converted to Performance Guarantee upon completion of the work. The DD shall be from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPA, payable at Vasco, Goa.

The Security Deposit converted to Performance Guarantee after the expiry of guarantee period of one year and will be refunded to the contractor after satisfactory completion 5 years of CAMC.

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.

1.8. Completion Period

45 days from the issue of LOA.

1.9. CAMC Period:

CAMC period is 5 years from the expiry of guarantee period of one year from the handing over of works to Port.

1.10. Payment Terms:

a) For “Supply, Installation, Testing and Commissioning and Handing over” payment will be released as per actual executed quantities within 30 days on satisfactory completion of the works, acceptance by the Port and upon submitting undisputed bills alongwith relevant documents (IT returns for last two years).

b.) For “CMC of 5 years” payment will be released on satisfactory completion of monthly servicing and on certification by the Care taker, TPC Mumbai. Quarterly payment will be recommended on pro-rata basis on production of pre-receipted bill in the Port format.

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. Damage charges for non-compliances:

- i. 70% of the contract value pertains towards the cost of spare parts for the maintenance of the Video Surveillance System and the balance 30% is for the labour cost. Hence if the minimum servicing once in a month is not carried out, 30% of the contract value for the respective month will be deducted from the bill towards the labour cost alone.
- ii. Breakdown calls shall be attended by the Contractor within 24 hours from the time of receipt of breakdown message from the Port. In case the Contractor is not responding to Port's urgent calls, 0.5% of the total contract value per week (a week is defined as 7 days inclusive of holidays) or part thereof subject to a maximum of 10% of the total AMC value for the year will be deducted from the Contractor's bill.

1.13. 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.

1.14. 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.

1.15. 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. SIGNING OF AGREEMENT

- (i) The Contractor shall execute an Agreement with the Authority within 45 days or any extended time from the date of issue of LOA. If the Contractor, whose tender has been accepted, fails to execute an Agreement within 45 days from the date of receipt of documents for execution of the Agreement, the security deposit of the Bidder will be forfeited and the work order will be cancelled.
- (ii) The cost of stamping the contract Agreement and cost of preparation of contract document (1 original + 3 copies) must be borne by the successful Bidder. Stamp paper of Rs.1000/- shall be purchased from the Local authorized vendor in Goa for the purpose of contract agreement.
- (iii) The place of stamping and signing of Agreement shall be at MPA only.
- (iv) Further, if the Contractor undertakes, to enter into and execute, when called upon to do so, an Agreement, with such modifications as agreed upon and unless and until the formal Agreement is prepared and executed, the Contractor's offer, Authority order and the written acceptance for the receipt of Authority order of the Contractor shall form a binding Contract between the Authority and the Contractor.

The Contract Agreement shall include amended final quotation document, various clarification letters, written approval by the Port authorities, Amendment to the Contract Agreement and any other conditions as agreed upon by the Authority and the Contractor.

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:
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 installing new CCTV surveillance system in Trade Promotion Centre (TPC) at Mumbai which is under Mormugao Port Authority at Goa. The work involves supply, installation, testing and commissioning of complete CCTV surveillance system with provision of installing the monitoring equipments in Goa office. The contractor also needs to take into consideration installation of mobile app for monitoring the above CCTV system from designated mobile phones of officials in Goa. The entire system will be under guarantee period for 01 year after handing over the system to Port, and thereafter under Comprehensive Annual Maintenance Contract for 05 years.

1.1 SCOPE OF WORK

Part-A:

- i) Supply, Installation testing, commissioning and handing over of 06 numbers IP based 4MP, Indoor type Day & Night Colour IR Dome Camera complete with Camera housing and camera mounting kit and all other accessories including Camera Mounting structures. The cameras are to be provided at the following locations at TPC Mumbai.
 - i. Reception
 - ii. 1st Floor- facing corridor
 - iii. 2nd Floor- facing corridor
 - iv. 3rd Floor- facing corridor
 - v. 4th Floor- facing elevator & staircase
 - vi. 4th Floor- facing corridor
- ii) Supply, Installation testing, commissioning and handing over of 02 numbers IP based 4MP(Minimum) Outdoor type Day & Night Colour, bullet IR camera complete with Camera housing and camera mounting kit and all other accessories Including Camera Mounting structures. The cameras to be provided at the following locations.
 - i. Entrance
 - ii. 5th Floor- on roof top
- iii) Supply, Installation, testing, commissioning and handing over Network Video Recorder of 16 Channel, complete with all accessories.
- iv) Supply, Installation, testing, commissioning and handing over of 4TB Hard disk for recording and storage.
- v) Supply, Installation, testing, commissioning and handing over of 16 port POE network switch.
- vi) Supply, Installation, testing, commissioning and handing over of 2 Nos. 24 inches LED Monitor complete with all accessories(to be installed at Goa Office).

- vii) Supply, Installation, testing, commissioning and handing over of 4U network rack.
- viii) Supply, Installation, testing, commissioning and handing over of 1 No. UPS.
- ix) Supply and laying CAT 6 Network Cable, power cable, OFC and PVC heavy duty conduit pipes.
- x) Supply, Installation, testing of commissioning of mobile app for monitoring and retrieving of the CCTV footage.

Part-B:

Comprehensive Maintenance Contract

- i) The Tenderer should enter into Comprehensive Annual maintenance contract for the period of 05 years after the completion of 01 year guarantee period. The Tenderer shall quote for maintaining the entire system offered for a period of 05 years including replacing of spares as necessary after the 01 year guarantee period.
- ii) Port shall not bear any cost pertaining to any kind of repairs or maintenance which may include replacement of any defective equipment's and hence the contractor may visit the site before submitting the offer.
- iii) Advance information of at least 24 hours shall be given by the Contractor before undertaking maintenance and servicing works. The successful Tenderer after completion of the Guarantee period will enter into 05 years Comprehensive Annual Maintenance Contract (CMC) with Port which will include supply of all spares for the replacement. The CMC will cover all the materials supplied by the Tenderer in the subject project.

1.2 STANDARDS and CODES

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

1.3. DETAILED TECHNICAL SPECIFICATION:

Tenderers shall furnish Offers for all the item as per the detailed technical specification mentioned below.

1.3.1. Cameras With Mounting Structures

Port proposes to install 06 numbers IP Based 4MP Outdoor Type IR Dome Camera, 02 numbers IP based 4MP Outdoor Type bullet camera complete with all accessories at TPC, Mumbai as per the technical specification given below.

i) IP Based Dome IR Camera(Indoor)

Total sensor pixels	4 Megapixel
Sensor Type	1/2.7" (+/- 10%), Progressive Scan CMOS,
Lens	Automatic Vari-focal Lens
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	30 meter
Input Voltage	12V DC 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

ii) IP based bullet IR Camera(Outdoor)

Total sensor pixels	4 Megapixel
Sensor Type	1/2.7" (+/- 10%), Progressive Scan CMOS,
Lens	Automatic Vari-focal Lens
Frame Rate	25/30fps (1920×1080)
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	50 meter
Input Voltage	12V DC and PoE with IEEE standard
Ingress Protection	IP67 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:

- a) The offered camera model must be listed in the ONVIF websites.
- b) Cameras shall be supplied with its suitable Power supply and its mounting arrangements as per site conditions i.e. wall, pole mount any with all required accessories & fitments.
- c) Each Cameras shall be provided with necessary additional circuits as Surge Protectors to protect the units from High Voltages.

1.3.2. Network Video Recorder 16 Channel

The proposed system shall be supplied with one number suitable 16 channel NVR with 4 TB Hard disk to view the camera image and shall be ONVIF compliant and shall have following specifications.

No of Channels supported	16 channels
Power Input	12DC, 5A
Storage	Enterprise class Hard disk, 4 HDD slots and loaded 4 TB HDD expandable upto12TB (Multiples of 4TB, 6TB)
Support Image Format	H.264/MJPEG
Max number of cameras	16
Supported browser	OS windows 7/8/10
Alarm	Input- 16, 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

The system shall be supplied with power cord, Audio/Video cables, necessary software etc.,

1.3.3. **Colour LED Monitor, 24 inches:**

The supply of 24 inches Colour LED Monitor includes all materials required for the installation and commissioning of the monitors at MPA office for viewing the camera live feed. The display unit shall comply with following specifications.

Type of Monitor	Table Top Colour full HD LED Flat Monitor for Viewing CCTV Pictures.
Size of Monitor	24 inch
Colour System	PAL / NTSC
Compatibility	To work along with the CCTV System and shall display live/recorded pictures as required.
Display Resolution	1920 x 1080 pixels (min.)
Contrast Ratio	800 : 1 g) Brightness : 500 TV Lines (Min.) h) Video Inputs : VIDEO1,VIDEO2,S-VIDEO,RGB,DVI,VGA & HDMI, Audio: Stereo mini jack
Connectors	BNC (One IN and One Out)
Power supply	230 volts +/- 10%,50 Hz+/- 1% ,Single Phase AC.

The system shall be designed for higher endurance life and it shall be designed for 24x7 operation. The Scope of work includes all necessary Connectors, Wall Mounting Kit, suitable TV Tuner unit for each system, AC power adapter etc. If any civil work has to be carried out of the installation the same has to be executed along with the materials by the tenderer.

1.3.4. Supply and installation of 16 Port POE network switch

Supply and Installation of 16- port GbE Fast and Smart Managed PoE Switch with 16 Nos. of 10/100/1000 Mbps Ethernet PoE Ports, 4 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.

1.3.5. Supply and installation of 4U surface mounting network rack

Supply and installation of 4U surface mounting network rack, complete with power strip, one fan, front glass door & rear perforated MS body with lock and key arrangement.

1.3.6. Supply & installation of 1 KVA UPS

Phase	Single
Voltage	230V AC
Voltage Range	160- 300V AC
Power factor	0.99%
Current THD	Less than 5%
Battery	12V
Battery charging	Constant current & constant voltage
Nominal O/P voltage	230V +/- 1%
Frequency	50Hz
Communication	RS 232/USB port for software interface
Display	LCD/LED display
certification	CE /UL

- UPS shall deliver 100% power without de-rating Battery, backup provided shall be for minimum one hour.

1.3.7. Supply and laying of CAT-6 cable

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

1.3.8. Supply and laying of PVC pipe

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

1.3.9. Supply and Laying of Power cable

Supply and Laying of 3 core, 1.5 sq. mm copper conductor power cable (ISI approved). The contractor shall provide 1 no. 5A switch & socket assembly for powering the network rack which is also included in the scope.

1.4. SYSTEM OVERVIEW/ GENERAL FEATURES:

- System capable to work for Day & Night operations (Automatic)
- System in Central Control Room should work on its Power back up mode automatically in case of Power failure.

- 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 heavy duty for 24 Hours operations.
- All required equipment's mentioned/not-mentioned but required for smooth running of system is to be in outdoor weatherproof enclosure.
- **Recording & Viewing features:**
 - Event recording
 - Motion Detection (sequential recording)
 - Scheduled recording
 - Adjust brightness, Contrast, Saturation & hue for a clearer view
 - Support digital zoom in to view specific areas
 - 24hours/day, 7days/week unmonitored surveillance recording
 - **Play back and search**
 - Playback 20 video records simultaneously
 - Search video records by camera, date, event types and time segments
 - Remote viewing and control, Non-stop recording
 - Backup video records manually or by schedule and directly backup recording files to CD/DVD/USB.

1.5. Installation and Commissioning:

- a) The Contractor shall commence and complete the work within 45 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.
- b) 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.
- c) The installation of the various equipment's shall be carried as per the site condition and as directed by the EIC. The Contractor shall carry out the works in co-ordination with the on-going AMC Contractor.
- d) Special care may be taken to prevent any damage to the Port's property during installation and commissioning. The system as also the sub system shall be elegant asthetic in appearance and painting of brackets etc. to be done to withstand saline atmosphere prevailing in the area.
- e) 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.
- f) **Technical brochures/ data sheets of Cameras, wireless 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.

g) Power and water will be provided by the Port free of cost.

h) **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 drawings and manuals should also be provided which shall include General arrangement with principal details, Schematic line diagrams (SLD) of electric, electronic and programmable controller details and any other special features implemented in the system.

1.6. Remote Viewing facility

Contractor shall make arrangement so that live streaming of cameras shall be made available on web browser and on Mobile App to designated Mormugao Port officials at Goa. Minimum 03 Nos. of users shall be able to view live remote streaming simultaneously on monitor.

The Contractor shall suitably train the Port's officials as mentioned above, to view the live streaming of cameras as well as retrieve the CCTV footages from the back-up.

1.7. Guarantee Period

1. The contractor shall provide 01 year guarantee for the equipment's installed from the date of acceptance. 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 etc.
3. During warranty period if any of the equipment supplied by the Contractor i.e camera, NVR, wireless transmitters and receivers, 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.
4. The Contractor shall arrange his own tools and tackles including ladder for carrying out the works during the installation and guarantee period.
5. In case need arises, the technicians should be present after office hours and during holidays without any additional 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.

1.8. SPECIAL CONDITION OF THE CONTRACT:

The successful bidder shall submit letter of authorization from OEM specially for the subject works indicating 06 years back to back support to MPA for cameras, NVR and software.

Letter of authorization from the OEM shall have to be submitted by the successful bidder within 15 days from the date of LOA.

Penalty for the delay in submission of the Letter of Authorization from OEM by the successful bidder beyond 15 days from the date of LOA shall be at the rate of 01% of the contract value for each week or part of the week. The penalty shall be incl. of 18% GST.

1.9. Other Conditions:

- 1) The Contractor is required to offer rates as per Port's format "SECTION-III" without fail and mention taxes and duties. Port will not produce Form C or D.
- 2) Technical and Commercial condition shall be clearly furnished in the quotation. The offer shall mention the make and model of the equipment and shall accompany with the relevant technical leaflet.
- 3) The rate should be quoted as per unit.
- 4) The rate quoted should be maintained till the completion of supply and no upward price revision will be agreed to.
- 5) GATE PASS: Necessary Entry Permits shall be obtained by the Contractor at their own cost with the approval of Caretaker of Guest House.
- 6) 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.

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

SECTION-III

PRICE SCHEDULE (BILL OF QUANTITIES – BOQ)

Name of the Work: “Supply, Installation, Testing and Commissioning of 06 Nos. IP Based 4MP Outdoor Type IR Dome Camera, 02 Nos. IP based 4MP Outdoor Type bullet camera complete with all accessories along with Comprehensive Annual Maintenance Contract for 05 years after Completion of 01 Year Guarantee Period at TPC, Mumbai.”

Quotation No.: CME/XEN(E-P)/quotation/2022/15

Part-A

Sr No	Description	HSN/ SAC Code	Unit	Qty	Rate (Rs)		Applicable GST (%)	Amount (Rs) (excl of GST)
					In Fig.	In Words		
1.	Supply, Installation, testing and commissioning of IP based 4MP (Minimum) Indoor type Day & Night Colour IR Dome Camera as per technical specification at Section-II							
	a) Supply		No.	6				
	b) Installation, testing and commissioning		No.	6				
2.	Supply, Installation, testing and commissioning of IP based 4MP(Minimum) Outdoor type Day & Night Colour, bullet IR camera as per technical specification at Section-II							
	a) Supply		No.	2				
	b) Installation, testing and commissioning		No.	2				
3.	Supply, Installation, testing and commissioning of Network Video Recorder of minimum 16 Channel as per technical specification at Section-II							
	a) Supply		No.	1				
	b) Installation, testing and commissioning		No.	1				
4.	Supply, Installation, testing and commissioning of 4TB hard disk for storage as per technical specification at Section-II							
	a) Supply		No.	1				
	b) Installation, testing and commissioning		No.	1				

5.	Supply, Installation, testing and commissioning of 24 inches(min) Colour LED Monitor as per technical specification at Section-II						
	a) Supply		No.	1			
	b) Installation, testing and commissioning		No.	1			
6.	Supply, Installation, testing and commissioning of 16 port POE network switch as per technical specification at Section-II						
	a) Supply		No.	1			
	b) Installation, testing and commissioning		No.	1			
7.	Supply, Installation, testing and commissioning of 4U surface mounting network rack as per technical specification at Section-II						
	a) Supply		No.	1			
	b) Installation, testing and commissioning		No.	1			
8.	Supply, Installation, testing & commissioning of 1 KVA UPS as per technical specification at Section-II						
	a) Supply		No.	1			
	b) Installation, testing and commissioning		No.	1			
9.	Supply and laying of CAT 6 Network Cable as per technical specification at Section-II						
	a) Supply		Mtr	310			
	b) Laying		Mtr	310			
10.	Supply and laying of PVC heavy duty conduit pipes as per technical specification at Section-II						
	a) Supply		Mtr	160			
	b) Laying		Mtr	160			
11.	Supply and laying of 3 core, 1.5 sq. mm copper conductor power cable as per technical specification at Section-II						
	a) Supply		Mtr	100			
	b) Laying		Mtr	100			

12.	Configuration of remote viewing facility as per technical specification at Section-II		LS	1				
TOTAL 'A' (in Fig.) (excl of GST)								

Total (In Words) Rupees _____ only.

PART - B

COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT

Sr. No.	Description of work	HSN/ SAC Code	Unit	Qty	Rate (Rs.)		applicable GST(%)	Amount (Rs.) (excl of GST)
					In fig.	In words		
1.	Comprehensive Annual Maintenance Contract (CAMC) with full responsibility of carrying out repair and supply of required original spare parts to keep the CCTV in fully operational condition for a period of 5 years, after expiry of one year Guarantee period.							
a.	1 st year CAMC		LS	1				
b.	2 nd year CAMC		LS	1				
c.	3 rd year CAMC		LS	1				
d.	4 th year CAMC		LS	1				
e.	5 th year CAMC		LS	1				
TOTAL AMOUNT 'PART B'								
GRAND TOTAL AMOUNT (PART A + PART B)								

Total (In Words) Rupees _____ only.

Date:

Signature:

Place:

Name:

Address:

Office Seal of firm

Note: 1. The rates quoted shall be inclusive of transportation, lodging and boarding, 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.

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/2022/15

To,

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

Sub : Quotation for “Supply, Installation, Testing and Commissioning of 06 Nos. IP Based 4MP Outdoor Type IR Dome Camera, 02 Nos. IP based 4MP Outdoor Type bullet camera complete with all accessories along with Comprehensive Annual Maintenance Contract for 05 years after Completion of 01 Year Guarantee Period at TPC, Mumbai”.

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) years from the date of notification if I am /We

- 1.) are in a breach of any obligation under the bid conditions,
- 2.) made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements;
- 3.) 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
- 4.) Any effort by the Bidder to influence the Employer on bid evaluation, bid comparison or contract award decision.
- 5.) Fail to commence the work on the specified date as per LOA/Work order and/or.
- 6.) 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)

FORM OF AGREEMENT

MEMORANDAM OF AGREEMENT made this day of two thousand at Vasco, Goa BETWEEN the Board of **Members** of the Mormugao Port Authority, Mormugao Goa, a body corporate under Major Port Authority Act of 2021 (hereinafter called the Board which expression shall, unless excluded by or repugnant to the context be deemed to include their successors in Office) of the one part

AND

..... (hereinafter called the "CONTRACTOR" which expression shall unless excluded by or repugnant to the context be deemed to include his heirs, executors, administrators, representatives and assigns or successors in Office) on the other part.

WHEREAS the Board is desirous of **“Supply, Installation, Testing and Commissioning of 06 Nos. IP Based 4MP Outdoor Type IR Dome Camera, 02 Nos. IP based 4MP Outdoor Type bullet camera complete with all accessories along with Comprehensive Annual Maintenance Contract for 05 years after Completion of 01 Year Guarantee Period at TPC, Mumbai”**,

WHEREAS the Contractor has offered to execute, complete and maintain such works and whereas the Board has accepted the tender of the contractor and where as the contractor has deposited a sum _____ of Rs...../- (Rupees _____) as security for due fulfilment of all the conditions of this contract.

NOW THIS AGREEMENT WITNESSES as follows:

1. In this agreement Words and expressions shall have the same meanings as are respectively assigned to them in the condition of the contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this agreement viz.
 - a. Technical Specifications
 - b. Schedule of Rates/Prices
 - c. General Conditions of Contract
 - d. Special Conditions of Contract
 - e. Letter of Award (LOA)
 - F. Acceptance of LOA by Contractor
 - g. Purchase Order
 - h. Security Deposit
3. The Contractor hereby covenants with the Board to construct, complete and maintain the Works' in conformity in all respects with the provision of the agreement.
4. The Board hereby covenants to pay the Contractor in consideration of such construction, completion and maintenance of the works, the "Contract Price" at the times and in the manner prescribed by the contract.

IN WITNESS WHEREOF, the parties hereunto have set their hands and seals the day and year first above written.

THE COMMON SEAL OF THE BOARD WAS }
HEREUNTO AFFIXED AND THE CHIEF } CHIEF MECHANICAL ENGINEER
MECHANICAL ENGINEER THEREOF, } MORMUGAO PORT AUTHORITY

SIGNING IN THE PRESENCE OF :

i) _____

ii) _____

SEALED AND SIGNED BY THE }
CONTRACTOR IN THE PRESENCE OF:- }

CONTRACTOR

i) _____

ii) _____

BANK DETAILS FOR ECS PAYMENT

i) Name of the Bank and Branch :

ii) Account Number :

iii) MICR Number :

iv) Type of Account :

v) IFSC Number :

vi) Copy of PAN Card :

vii) TIN Number :

viii) GST Regn. No.:

ix) EPF No. :

x) 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: _____)