

NOTICE INVITING BUDGETORY OFFERS

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|---|--|
| Name of Work | WORK : “ARC FOR MAINTENANCE OF CCTV SYSTEMS ON VISIT BASIS FOR NON OPERATIONAL AREAS AT MPA FOR A PERIOD OF TWO YEARS” |
| Date of submission of budgetary quotation | On or Before 22.12.2024. |
| Address for communication: | Executive Engineer (E-HL), Mechanical Engineering Department, Mormugao Port Authority, Electrical Section, 1st Floor, Admin. Building, Headland sada Vasco-da-Gama Goa - 403804 |
| Contact Details | Phone : (0832) 2594241, 2594215/45 Email : xene.mgpt@gmail.com |
| Website | www.mptgoa.gov.in |

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

MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT

CME/XEN(E-HL)/

Date: 11.12.2024

Sub: ARC FOR MAINTENANCE OF CCTV SYSTEMS ON VISIT BASIS FOR NON OPERATIONAL AREAS AT MPA FOR A PERIOD OF TWO YEARS.

Ref: Budgetary Quotation No. CME/XEN(E)/HL/M22/03

Mormugao Port Authority intends to carry out the work of ARC for Maintenance of CCTV Cameras in Ports Non-Operational Areas

As such, kindly furnish the budgetary quotation for the same (Technical specification enclosed as Annexure-I and Price Schedule enclosed as Annexure-II):-

Your budgetary quotation should reach to this office on 22.12.2024.

Thanking you,

Yours sincerely,

EXECUTIVE ENGINEER (E-HL)

Technical specification

NAME OF THE WORK: ARC FOR MAINTENANCE OF CCTV SYSTEMS ON VISIT BASIS FOR NON OPERATIONAL AREAS AT MPA FOR A PERIOD OF TWO YEARS.

1. SCOPE OF WORK

- i. To carry out maintenance/repairs/replacements/installation of the CCTV systems on visit basis at MPA non-operational areas.
- ii. To attend to breakdown calls within 24 hours from registration of complaint.
- iii. One visit will be considered from the time of attending the fault till its rectification to the user's satisfaction.
- iv. To supply of new equipments as per the quoted price during the entire ARC period as per instructions of the Engineer In Charge (EIC).
- v. In case the work involves laying of cable either for replacing damaged cable or for re-routing while shifting cameras as directed by Engineer – In – Charge (EIC), the same will be paid as per actual measurements at site and as per the quoted price during the entire ARC period.
- vi. The contractor may have to install cameras at new locations as directed by the Port Engineer – in – Charge.
- vii. All other consumables and spares shall be provided by Port.
- viii. List of CCTV cameras installed at NON-OPERATIONAL AREAS to be covered under ARC are as listed below.

| Sr. No. | Location | No. of. Cameras |
|----------------|-----------------------------------|------------------------|
| 1 | Port Hospital | 8 |
| 2 | Ambedkar Vocational Center | 4 |
| 3 | Port Guest House | 4 |
| 4 | CISF Kote | 7 |
| 5 | Bureau of Immigration Harbour | 4 |
| 6 | Human Resource Development Center | 1 |
| 7 | Cruise Terminal Bldg | 6 |
| 8 | Electrical Substations | 12 |
| | TOTAL | 46 |

1.1. Detailed Technical specification:

The Contractor shall supply IP Based 2MP Outdoor Type IR Dome Camera, IP based 2MP Outdoor Type bullet camera complete with all accessories, PoE switch and video balon at Admin Bldg, MPA as per the technical specification given below.

i) IP Based Dome IR Camera(Indoor)

| | |
|---------------------|-------------|
| Total sensor pixels | 2 Megapixel |
|---------------------|-------------|

| | |
|--|--|
| Sensor Type | 1/2.7" (+/- 10%), Progressive Scan CMOS, |
| Lens | Fixed |
| Resolution | 720PX1080HD |
| Frame Rate | 25/30fps (1920x1080) |
| Minimum Illumination(Color/Monochrome) | 0.08Lux@F2.0@1/25s |
| Video functions | Smart defog ICR (Auto Day night) |
| IR distance | 20 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 |
| ONVIF | ONVIF compliant |
| Certifications | UL/CE and FCC |

ii) IP based bullet IR Camera(Outdoor)

| | |
|--|--|
| Total sensor pixels | 2 Megapixel |
| Sensor Type | 1/2.7" (+/- 10%), Progressive Scan CMOS, |
| Lens | Fixed |
| Resolution | 720PX1080 |
| Frame Rate | 25/30fps (1920x1080) |
| Minimum Illumination(Color/Monochrome) | 0.08Lux@F2.0@1/25s |
| Video functions | Smart defog 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 |
| 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.

iii) Network Video Recorder

| | |
|--------------------------|---|
| No of Channels supported | 8 channels |
| Power Input | 12DC, 5A |
| Storage | Enterprise class Hard disk (Expandable upto 16TB) |
| Support Image Format | H.264/MJPEG |
| Max number of cameras | 8 |
| Supported browser | OS windows 7/8/10 |

| | |
|-------------------|--------------------------|
| External storage | USB port |
| Output | HDMI port |
| Network Interface | 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.

iv) Supply of PoE switch (8 channel)

Supply of 8- port GbE Fast and Smart Managed PoE Switch with 8 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.

v) Supply of Video Balun

Supply of HD CCTV Video Balun shall meet the following specification:

1. AHD, HD-TVI, HD-CVI, 1 Passive Pair, BNC.
2. **Pair:** Transmitter & Receiver
3. **Resolutions:** D1, 960H, 720p, 1080p, 3mp, 4mp, 5mp, 8mp
4. **HD Camera Support:** AHD, HD-TVI, HD-CVI
5. **Analog Camera Support:** CVBS NTSC, PAL
6. **Passive Type:** No Power Required
7. **UTP Connection:** Wire Terminals
8. **Transmits Camera Power:** No. Video Only
9. **Audio Support:** No.
10. **Built-in Surge Protection:** Yes

2.1. Other Conditions:

- 1) The rate should be quoted as per unit.
- 2) The rate quoted should be maintained till the completion of contract and no upward price revision will be agreed to.
- 3) Port can accept or delete any of the items mentioned in Schedule-A1 and also the quantity mentioned is only provisional and it may be either increased and decreased as per requirement.
- 4) The Contract period shall be for a period of 2 years.
- 5) The contractor is advised to visit the site and get acquainted regarding the nature of the work involved at site conditions before quoting the offer.
- 6) The contractor should engage skilled service personal with the relevant required tools and instruments for commissioning the same.

- 7) **Warranty:** All the materials, equipment, spares etc. supplied by the firm shall have 1 year warranty from the date of installation or acceptance by the Port whichever is later.
- 8) The Contractor personnel engaged in the work shall follow all safety, security and General Rules enforced by Mormugao Port Authority (MPA) and the contractor will only be responsible for the same. The workmanship shall be neat, clean and elegant/ aesthetic in appearance etc.
- 9) Upon completion of the work the contractor shall clear the site of all the scraps including packaging material, cable ties, cable pieces etc.
- 10) MPA will not be responsible for any loss or damage of the men / materials / tools / plants engaged by the firm during the work at site / transportation.
- 11) The contractor should indicate the GST No.
- 12) No advance payment will be made by the Port.
- 13) Final payment will be made only after handing over the entire system in good working condition and upon producing all the invoices and supporting documentation.
- 14) Necessary entry passes shall be obtained by the firm at their own cost with the approval of Port Officials.
- 15) Power Supply will be provided on chargeable basis by the Port. However, the firm should make his own arrangements to take power supply from the nearest source of supply.
- 16) For any clarifications, the firm may contact the 'Executive Engineer at 1st floor of the Administrative Office, Ph.0832-2594241/4215.

PRICE SCHEDULE (BILL OF QUANTITIES)

ARC FOR MAINTENANCE OF CCTV SYSTEMS ON VISIT BASIS AT MPT NON OPERATIONAL AREAS FOR A PERIOD OF TWO YEARS

| S.No. | Description | Unit | Qty | Rate (Rs.) | | GST (%) |
|-------|--|------|-----|------------|----------|---------|
| | | | | In fig. | In words | |
| 1 | Per Visit Charges | No | 1 | | | |
| 2 | Supply of 2MP IP fixed Camera (Indoor) as per technical specifications | No | 1 | | | |
| 3 | Supply of 2 MP IP fixed Camera (Outdoor) as per technical specifications | No | 1 | | | |
| 4 | Supply of PoE switch (8 channel) as per technical specifications | No. | 1 | | | |
| 5 | Supply of video balun as per technical specifications | No. | 1 | | | |
| 6 | Supply of Network Video Recorder as per technical specifications | No. | 1 | | | |
| 7 | Supply of Indoor CAT6 cable as per technical specifications | Mtr | 1 | | | |
| 8 | Laying of Cable in casing capping. | Mtr | 1 | | | |
| 9 | Fixing of casing capping | Mtr | 1 | | | |

(In Words Rupees

_____ only)

Note: The rates quoted shall be inclusive of transportation, lodging and boarding, but excusive of GST. Applicable GST shall be paid extra as applicable.