

NOTICE INVITING BUDGETORY OFFERS

Name of Work	NAME OF WORK : “ARC FOR MAINTENANCE OF CCTV SYSTEMS ON VISIT BASIS AT MPT NON OPERATIONAL AREAS FOR A PERIOD OF TWO YEARS”
Date of submission of budgetary quotation	On or Before 08.11.2022 at 11:00 Hrs.
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, 2594215/42 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: 31.10.2022

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

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

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 08.11.2022

Thanking you,

Yours sincerely,

EXECUTIVE ENGINEER (E-HL)

Technical specification**ARC FOR MAINTENANCE OF CCTV CAMERAS IN PORTS NON-OPERATIONAL AREAS 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 MPT 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 new indoor & Outdoor cameras as per the quoted price during the entire ARC period.
- v. To supply of PoE switch and video balun as per the quoted price during the entire ARC period.
- vi. In case the work involves laying of cable either for replacing damaged cable or for re-routing while shifting cameras, the same will be paid as per actual measurements at site.
- vii. All consumables and spares shall be provided by Port.
- viii. List of CCTV cameras installed at NON-OPERATIONAL AREAS are as under.

Sr. No.	Location	No. of. Cameras
1	Port Hospital	8
2	Ambedkar Vocational Center	4
3	Port Guest House	4
4	CISF Kote	4
5	Bureau of Immigration Harbour	4
6	Human Resource Development Center	1
7	Deep Vihar Schools	59
8	Cruise Terminal Bldg	6
	TOTAL	90

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 balun 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	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	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	2 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.

iii) **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.

iv) **Supply of video balun**

HD CCTV Video Balun, AHD, HD-TVI, HD-CVI, 1 Passive Pair, BNC. The VB-HD2 Passive HD Video Balun features:

1. **Pair:** Transmitter & Receiver
2. **Resolutions:** D1, 960H, 720p, 1080p, 3mp, 4mp, 5mp, 8mp
3. **HD Camera Support:** AHD, HD-TVI, HD-CVI
4. **Analog Camera Support:** CVBS NTSC, PAL
5. **Passive Type:** No Power Required

6. **UTP Connection:** Wire Terminals
7. **Transmits Camera Power:** No. Video Only
8. **Audio Support:** No.
9. **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 supply and no upward price revision will be agreed to.
- 3) CME can accept or delete any of the items mentioned in Schedule-A1 and also the quantity mentioned is only provisional and it may either increased and decreased as per requirement.
- 4) The Contract period shall be for a period of 2 years from 01.01.2023 to 31.12.2024.
- 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) 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.
- 8) 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.
- 9) The contractor should indicate the GST No.
- 10) No advance payment will be made by the Port.
- 11) 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.
- 12) Necessary entry passes shall be obtained by the firm at their own cost with the approval of Port Officials.
- 13) 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.
- 14) For any clarifications, the firm may contact the 'Executive Engineer at 1st floor of the Administrative Office, Ph.0832-2594241/4236

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

Description	Unit	Qty	Rate(Rs.)		GST (%)
			In fig.	In words	
Per Visit Charges	No	1			
Supply of 2MP IP fixed Camera (Indoor)	No	1			
Supply of 2 MP IP fixed Camera (Outdoor)	No	1			
Supply of PoE switch (8 channel)	Nos	1			
Supply of video balun	Nos.	1			
Laying of Cable in casing capping.	Mtr	1			
Fixing of casing capping	Mtr	1			

(In Words Rupees _____ only)

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