

**MORMUGAO PORT TRUST**  
**ENGINEERING MECHANICAL DEPARTMENT**

CME/XEN (E-HL)/M-22/17/

25.04.2017

**SUB : AMMENDMENTS TO THE TENDER FOR “SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF IP BASED HD CCTV SURVEILLANCE SYSTEM COMPLETE WITH ALL ACCESSORIES WITH THREE YEARS COMPREHENSIVE AMC AFTER EXPIRY OF TWO YEARS GUARANTEE PERIOD AT MORMUGAO PORT TRUST”**

**TENDER NO: CME/XEN(E-HL)/M-22/17/1**

With reference to the various queries raised by the Bidders at the Pre-Bid meeting held on **19.04.17**, certain tender clauses have been amended and issued as an Addendum to the tender.

The Addendum shall be hosted on Port's Web site on **25/04/2017**

Meanwhile it is informed that the **date for submission of the Tender and opening of Cover- I has been postponed to 10/05/2017 at 1030Hrs.**

All the prospective Bidders are kindly requested to take note of the above.

**CHIEF MECHANICAL ENGINEER**

Encl: 1) Addendum (14 Sheets)

**MORMUGAO PORT TRUST**

**ENGINEERING MECHANICAL DEPARTMENT**

**TENDER FOR "SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF IP BASED HD CCTV SURVEILLANCE SYSTEM COMPLETE WITH ALL ACCESSORIES WITH THREE YEARS COMPREHENSIVE AMC AFTER EXPIRY OF TWO YEARS GUARANTEE PERIOD AT MORMUGAO PORT TRUST"**

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**ADDENDUM**

**CORRECTIONS / ADDITIONS / DELETIONS, ETC...**

**[Total Number of Pages: 14]**

**NOTE :**

1. Addendum is issued consequent to the discussions held at the Pre Bid Meeting on 19.04.2017. This "Addendum" should be read in conjunction with Tender Document reference no. CME/XEN(E-HL)/M-22/17/1
2. Consequential changes, arising out of this Addendum, will be deemed to have been effected, even if the same were not incorporated specifically in the Tender Document.
3. All other terms and conditions of the Tender Document will remain unchanged.
4. One set of this "Addendum", along with one set of Tender Document, shall be submitted along with the Techno-Commercial Offer (in Cover-I), with each page of it, duly signed and stamped, as token of acceptance.

## ANNEXURE - A

Sl. No.	Clause No.	Page No.	TENDER CONDITION	BIDDER QUERIES	CLARIFICATION
1	NIOT, 3.14	5, 38	SECURITY DEPOSIT	What is mode of payment of 10% security deposit.	❖ Security deposit shall be furnished in the form of Bank Guarantee (BG) instead of DD/BG specified in tender.
2	NIOT, 1.8 a. & b	4, 12	EARNEST MONEY DEPOSIT (EMD)	<p>1. Request to allow EMD in BG format.</p> <p>2. We are registered under NSIC,MSME ,Can we avail the EMD &amp; security deposit exemption benefit ? Kindly confirm for the same</p>	<p>❖ EMD shall be paid through e-payment mode.</p> <p>❖ The exemption from payment of EMD will be allowed only if similar work of the tender match with the enlistment statement shown in the Certificate issued by SSI/MSME/NSIC or any empowered Central/State Govt. Authority.</p>
3	NIOT	6	LAST DATE AND TIME FOR SUBMISSION OF THE BIDS	Request to give extension for tender submission at least 2 weeks after the date of queries reply i.e. after corrigendum	❖ As per procedure 15 days shall be given for submission of bids from date of uploading of Pre bid clarifications.

4	3.10	37	COMPLETION PERIOD OF WORK	Completion period including supply is very less as supply takes 45-50 days as all are MNC companies like Tyco/cisco /bosch /LG --kind request to rethink on this clause.	❖ Completion period including supply is 90 days from the seventh day of the date of issue of LOA.
5	3.32	49	INSURANCE	1. What about insurance of CAMC period -- it is not mentioned 2. Is insurance should be from MPT party only or what?	❖ Tender condition at given clause 3.32, pg49 prevails. However the bidder shall replace all damaged/ failed parts/ equipments during CAMC period. ❖ However, as per the tender conditions, Contractor shall provide for insurance for their material and manning upto the commissioning and taking over the installation.
6	1.16 Pt . c	16	SCHEDULE OF PRICE	1. What about GST. As in commercials inclusive of VAT rates demanded . if GST apply till billing what is tax policy. 2. Does MPT provide Octrio exemption certificate, Excise duty benefit, CENVAT & Custom duty benefit, Kindly confirm. 3 Does MPT Provide Form 'C' for billing. Kindly confirm.	❖ The bidder shall submit offer as per revised Price Schedule at ANNEXURE- I. ❖ Other exemptions / benefits not applicable. ❖ MPT does not provide the 'C' form.
7	2.9	28	LIST OF APPROVED MAKES	1. We requested to add " <b>Infinova</b> " USA OEM for Camera and NVR as an approved Make. We are assuring best performance and Camera clarity of Infinova in POC/Demo activity and after sale services. Request to allow Infinova for further proceeds 2. Request that kindly approve our Brand as a " <b>ADOR</b> " for security and surveillance product.	❖ Tender condition prevails.

				<p>3. Request that kindly approve <b>Hikvision</b> as a brand name for security and surveillance product.</p> <p>4. Requesting you to consider <b>CP Plus</b> brand also if you are considering Hikvision /D-Link brand.</p> <p>5. Kindly add Wavesight in approved make for wireless.</p>	
8	NIOT Qualifying Criteria Pt . c	5	<p>QUALIFICATION CRITERIA / BIDDING CONDITION</p> <p>Cameras, NVR and its Software shall be from the same OEM and shall comply with ONVIF standards</p>	<p>Request MPT to delete this clause OR allow combination of any approved OEM for Camera. Need to ask both cameras and NVR should have latest ONVIF-Profile for avoid any future integration. "ONVIF" is the protocol that take care integration of any camera with any NVR/VMS of different make This RFP condition (Clause) clearly indicate single SI with Single OEM criteria. Because of this clause no any OEM will support multiple SI to bid this tender. CMS is very interested to bid this tender. Hope this is the Public tender not the limited tender?</p>	❖ The tender condition prevails.
9	2.10	28	<p>COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT</p>	<p>1. Requesting you to make 3 years warranty &amp; 2 years AMC. All the products are having 3years warranty and we need to pay at the time of purchase of the products. It will also reduce the cost also little.</p>	❖ The Guarantee period shall be for 2 years followed by CAMC period of 3 years. However, the contractor shall deploy manning personnel during both Guarantee and CAMC period as per tender condition.

10	3.54 Pt d.	56 &57	FACILITIES PROVIDED BY PORT -- ACCOMODATION	For electricians and workmen -- any provision of guest house is there from MPT while installation period.	❖ Port shall provide quarters to the contractor/his employees, on chargeable basis as per prevailing Scale of Rates subject to availability as per tender condition.
11	1.18	17	GENERAL The Bidders should come along with the Authorised Representative of OEM of the approved makes of Camera, NVR as well as the wireless for the Pre-bid meeting. No queries will be entertained after the Pre-bid meeting.	Request to delete this clause, this will be limiting System Integrator to participate in Pre-bid meeting. PSUs can use this criteria wherever tender will be limited to bid for limited System integrators.	❖ As per Prequalification Criteria, the tenderer shall submit the authorization letter from OEM specifically for the subject tender indicating back –to – back support for IP cameras, Wireless Transmitters/ Receivers, NVRs and software during the contract period.
12	SECTION - II  Pt. 7	21	GENERAL --- Date for demonstration.	Request to Intimate before 1 weeks of demonstration activity date for material arrangement purpose	❖ One Weeks's advance intimation shall be given to arrange material for demonstration. The contractor shall come with one IP PTZ camera, two pair of Wireless as per model offered in the bid and Network Video Recorder of any channel of the same brand along with connecting accessories for demonstration.
13	2.3	21	STANDARDS and CODES	1. For Fixed and PTZ cameras CE & FCC is a common certification available for most of the electronic items which is self certified. However UL is a third party certification, which is to be made mandatory for security products. Hence make UL mandatory. 2. For wireless Certifications should be UL, EC & FCC. UL & FCC are self declared standard,	❖ For Fixed and PTZ cameras the certifications required are : UL,CE and FCC. ❖ For wireless Certifications should be UL/ EC & FCC. ❖ For NVR certifications required are : UL,CE and FCC.

				<p>UL is 3rd party recognised certificate. So UL has better recognition and UL certification is essential.</p> <p>3. For NVR Request to don't change on Certifications . Please continue. Certifications : UL/CE and FCC. Please continue, Certifications : UL/CE and FCC for Fixed and PTZ cameras.</p>	
14	2.4.1	22	TECHNICAL SPECIFICATIONS – IP FIXED CAMERA	<p>1. Lens - Automatic Vari-focal Lens: Lens size need to be cleared ? Please confirm. Request to add 2.8 to 12 mm <b>motorized Lens</b> for better camera configuration without manual adjustment. Please avoid <b>Automatics varifocal lens</b> that will be require manual adjustment every time, if focus changes every time in harsh environment. Motorized lens automatically adjust itself to create clear image of the camera.</p> <p>2. Is defogging features necessary in technical terms of camera.</p> <p>3.a) HLC can be technically achieved through ALC compensation. A positive value is more useful for low-light conditions; a negative value is more useful for very bright conditions. b) Normally, OEM can provide Back light compensation. Please approve the same</p> <p>4. Normally, OEM can provide 1/2.9 inch CMOS Sensor. Please approve the same</p>	<p>❖ Lens size for Fixed camera shall be 2.5mm – 12mm. Lens shall be Automatic Vari-focal as per tender.</p> <p>❖ Defogging features is necessary for both FIXED and PTZ cameras.</p> <p>❖ The video function at Clause 2.4.2 pertaining to HLC and Backlight Compensation is amended to HLC / ALC / Backlight Compensation for both FIXED and PTZ cameras.</p> <p>❖ Since the specification is within +/- 10% of the permissible sensor range stated in the</p>

				5. Normally, OEM can provide True day/night switching. Kindly replace the same.	tender, it is acceptable. ❖ The video function of the cameras shall be ICR (Auto Day Night).
15	2.4.2	22	TECHNICAL SPECIFICATIONS – INTEGRATED SPEED IP PTZ DOME CAMERA	1. For PTZ camera Normally, OEM can provide B/W: 0.034 Lux @ F1.6 (AGC on). Please approve the same. 2. Request to ask "INTEGRATED SPEED IP IR PTZ DOME CAMERA , normal camera will not give proper images ant night condition.	❖ The Video Performance sensitivity at F1.6 for IP PTZ camera Black/white shall be 0.02 lux. ❖ As per the technical specification IP PTZ camera should support 150 m IR. And IP FIXED camera should support 30 m IR.
16	2.4.4	23	WIRELESS TRANSMITTERS & RECEIVERS.	1. Wireless modems should be Point-Point links or Point-multi point. Same modem can't work as point-point & Point-multipoint. 2. 25 Mbps aggregate bandwidth for individual camera location Link ( 12Pair ) & Back haul link with 200Mbps ( 2pair), Data rate may be 200mbps but if it don't give aggregate bandwidth there is no point for 200Mbps data rate. So it is recommended to mention aggregate bandwidth & in the last tender it was mentioned aggregate bandwidth. Each camera needs only 10Mbps aggregate bandwidth. Considering this 25Mbps is good enough for individual camera point ( 12Pair ) & Back haul can be with 200Mbps. It will reduce the project cost also. However MPT want 200Mbps bandwidth.	❖ Wireless should be Point-Point type  ❖ Tender condition prevails.



				<p>3. Radio must support inbuilt Spectrum analyzer tool to find the best available frequency to be used. It should also have the capability to reflect/show results of both sites of the PoP end radio. It will help to give better uptime without any interruption to the link.</p> <p>4. Radio should support synchronization mechanism of transmission timing of different Hub-Sites in order to eliminate mutual interference between multiple sites for TDD Inter site synchronization through GPS Sync Unit</p>	<p>❖ Tender condition prevails.</p> <p>❖ Tender condition prevails.</p>
17	2.4.5	23 & 24	NETWORK VIDEO RECORDER 32 CHANNEL	<p>1. Normally, OEM can provide 1 HDMI Ports Please approve the same.</p> <p>2. Request to ask at least 64 channel NVR for better expansion future.</p>	<p>❖ The network Video Recorder shall have 2 HDMI Ports as stated in the tender.</p> <p>❖ Tender condition prevails.</p>
18	2.4.8  2.4.9	24  24	<p>1. NETWORK SWITCH 4 POE Port 10/100/1000 GBPS switch</p> <p>2. NETWORK SWITCH 24 Port 10/100/1000 GBPS switch</p>	<p>1. Request to confirm the exact make of the Switch? In the technical specifications only Ciso and Brocade mentioned and in the approved make list Digisol/D-link./Cisco mentioned. Plases confirm same?</p> <p>2. Please add <b>Allied Telesis, Moxa, Extrem</b> as an approved make, this are all market leader. Request to delete the Brocade if we are going with Industrial switch, not manufacturing</p> <p>3. Recommending 24port switch enterprise class not SMB class. ( Cisco Catalyst series &amp; Brocade ICX series)</p>	<p>❖ The Make of 4 POE Port and 24 Port switches are Cisco/ Brocade.</p> <p>❖ Tender conditions prevails.</p>

				At the central there will be 21 camera and remote viewing also takes place from central /NVR. So robust switch is very much essential to have real time image. SMB class switches wont be able to handle 21camera load and it degrades the performance and there will be latency in image. Commercially also there is not too much difference, cost difference will be less than Rs20000.00	
19	2.4.14	25 &26	CAT6 ARMOURED CABLE	It should be Outdoor ethernet cable not Indoor or STP.	❖ Tender condition prevails.
20	2.4.15	26	PVC HEAVY DUTY CONDUIT	It should be HDPE.	❖ Tender condition prevails
21	2.4.12	25	UPS 5KVA	1. Need to mention back up time requirement.  2. Please confirm the make of existing UPS.	❖ As per Tender condition, Battery backup shall be for minimum one hour. Also, the <b>battery shall be maintenance free type.</b> ❖ Tender condition prevails.
22			GENERAL	1. Suggested approved OEM for camera and Wireless have inbuilt Surge protector features, why we require separate surge protector? Please confirm? Request to delete the same.  2. Please confirm there is no any Digging, Excavation, Road cutting-Refilling and any Civil welding work. This all are not mentioned in the Price Schedule, kindly confirm this will amendment to paid at actual as per the work?	❖ There have been lightening strikes on high mast in the past and it was decided to have an independent surge protector to protect camera, wireless, power supply, POE, etc. before the surge reaches camera or wireless. As such the tender condition prevails. ❖ It is confirmed that there is no any Digging, Excavation, Road cutting-Refilling and any Civil welding work.

