



**NEW MANGALORE PORT AUTHORITY**  
**(Ministry of Ports, Shipping & Waterways, Govt. Of India)**

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**NIT NO.:** EE-I/ESD-I/A/2022-23/07/12

**Date:** 07.12.2022

## TENDER DOCUMENT

FOR

**PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS  
INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE  
NMPA**

(NIT, GENERAL TERMS & CONDITIONS, SPECIAL TERMS & CONDITIONS  
TECHNICAL SPECIFICATION & BOQ)

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**SPECIAL INSTRUCTIONS TO THE BIDDERS FOR THE E-SUBMISSION OF THE BIDS ONLINE THROUGH E-PROCUREMENT PORTAL**

**N.I.T. No. EE-I/ESD-II/A/2022-23/07/12**

**Date: 07.12.2022**

**Name of Work: "PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA".**

1. बोलीदाता को होम पेज में उपलब्ध क्लिक हियर टू एनरोल का उपयोग करके पोर्टल में ऑनलाइन नामांकन करना चाहिए। फिर पोर्टल पर लॉग इन करने के बाद ई-टोकन के साथ डिजिटल सिग्नेचर एनरोलमेंट करना होगा। Bidder should do Online Enrolment in the Portal using the option Click Here to Enroll available in the Home Page. Then the Digital Signature enrollment has to be done with the e-token, after logging into the portal.
2. तत्पश्चात बोलीधारक नामांकन के दौरान चुने गए उपयोगकर्ता आईडी / पासवर्ड पोर्टल में लॉग इन कर पाएंगे। Bidder then logs into the portal giving user id / password chosen during enrollment.
3. दूसरों द्वारा दुरुपयोग न करते हुए पंजीकृत ई-टोकन का उपयोग बोलीदाता द्वारा ही किया जाना चाहिए। The e-token that is registered should be used by the Bidder and should not be misused by others.
4. किसी खाते में मैप किए जाने पर DSC को किसी अन्य खाते में दोबारा नहीं भेजा जा सकता है। यह केवल निष्क्रिय हो सकता है  
DSC once mapped to an account cannot be remapped to any other account. It can only be inactivated.
5. बोलीदाता अग्रिम रूप से अद्यतन कर सकते हैं, दस्तावेज़ जैसे प्रमाणपत्र, खरीद आदेश विवरण आदि, मेरे दस्तावेज़ विकल्प के तहत और इन्हें निविदा आवश्यकताओं के अनुसार चुना जा सकता है और फिर बोली जमा करने के दौरान बोली दस्तावेजों के साथ संलग्न किया जा सकता है। यह बोली दस्तावेजों के कम अपलोड को सुनिश्चित करेगा। The Bidders can update well in advance, the documents such as certificates, purchase order details etc., under My Documents option and these can be selected as per tender requirement and then attach them along with bid documents during bid submission. This will ensure easier upload of bid documents.
6. निविदा कार्यक्रम डाउनलोड करने / प्राप्त करने के बाद, बोलीदाता को सावधानीपूर्वक उनके माध्यम से जाना चाहिए और फिर निविदा दस्तावेज के अनुसार दस्तावेज जमा करना चाहिए; अन्यथा, बोली अस्वीकार कर दी जाएगी After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit documents as stated in the tender document; otherwise, the bid will be rejected.
7. बीओक्यू टेम्पलेट को बोलीदाता द्वारा संशोधित / प्रतिस्थापित नहीं किया जाना चाहिए और संबंधित कॉलम भरने के बाद उसे अपलोड किया जाना चाहिए, अन्यथा बोलीदाता उस निविदा के लिए अस्वीकार किए जाने के लिए उत्तरदायी है। बोलीदाताओं को केवल बिडर नाम और वैल्यू दर्ज करने की अनुमति है।

The BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bid is liable to be rejected. Bidders are allowed to enter the Bidder Name and Values only.

8. यदि कोई स्पष्टीकरण है, तो यह ई-प्रोक्योरमेंट पोर्टल के माध्यम से या निविदा दस्तावेज में दिए गए संपर्क विवरण के माध्यम से ऑनलाइन प्राप्त किया जा सकता है। बोलीदाता को पोर्टल पर ऑनलाइन या

<http://eprocure.gov.in/eprocure/app> or <http://www.newmangaloreport.gov.in> पर बोली प्रस्तुत करने से पहले प्रकाशित किए गए कोरिगेंडम को ध्यान में रखना चाहिए, बोलीदाता को अग्रिम में बोली दस्तावेज तैयार करने चाहिए। निविदा अनुसूची में दर्शाए अनुसार प्रस्तुत किया जाना चाहिए और वे पीडीएफ प्रारूपों में होने चाहिए। If there are queries connected with this tender, have to be clarified online through the e-Procurement Portal, or through the contact details given in the tender document. Bidder should take into account the corrigendum published before submitting the bids online on the portal or on <http://eprocure.gov.in/eprocure/app> or <http://www.newmangaloreport.gov.in>. All documents to be submitted, as indicated in the tender schedule should be in PDF formats.

9. बोलीदाता को निविदा में निर्दिष्ट बोली सुरक्षाकी व्यवस्था करनी (जैसा लागू हो) ईएमडी और निविदा शुल्क/ चाहिए। मूल को निविदा के लिए बोली जमा करने की तिथि और समय के भीतर, निविदा आमंत्रित करने वाले प्राधिकारी को व्यक्तिगत रूप से पोस्टजाना चाहिए। व्यक्तिगत रूप से दिया/कूरियर/। Bidder should arrange for the Bid Security/EMD & tender fee (as applicable) as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date and time for the tender.
10. बोली लगाने वाले को नियमों और शर्तों को पढ़ना चाहिए और बोलियों को जमा करने के लिए आगे बढ़ने के लिए उसी को स्वीकार करना चाहिए |  
The Bidder should read the terms and conditions of the tender and accept the same before proceeding with submission to tender.
11. बोली प्रस्तुत करने की प्रक्रिया के दौरान किसी भी देरी या समस्या से बचने के लिए बोली लगाने वाले को निर्धारित समय से पहले निविदा दस्तावेजों को ऑनलाइन जमा करना चाहिए ।  
The Bidder has to submit the tender document(s) online well in advance, before the prescribed time to avoid any delay or problem during the bid submission process.
12. सर्वर के अंत में अपलोड की गई फ़ाइल के आकार की कोई सीमा नहीं है। हालाँकि, अपलोड क्लाइंट सिस्टम पर उपलब्ध मेमोरी के साथ-साथ उस समय क्लाइंट साइड पर उपलब्ध नेटवर्क बैंडविड्थ पर तय किया जाता है। फ़ाइल का आकार कम करने के लिए, बोलीदाताओं को 75-100 DPI में दस्तावेजों को स्कैन करने का सुझाव दिया जाता है ताकि स्पष्टता बनी रहे और फ़ाइल का आकार कम हो जाए। यह बहुत कम बैंडविड्थ की गति पर भी त्वरित अपलोड करने में मदद करेगा |  
There is no limit on the size of the file that can be uploaded at the server end. However, the upload is dependent on the Memory available at the Client System as well as the Network bandwidth available at the client side at that point of time. In order to reduce the file size, bidders are suggested to scan the documents in 75-100 DPI so that the clarity is maintained and file size is optimum. This will help in quick uploading even at very low bandwidth speeds.
13. यह ध्यान रखना महत्वपूर्ण है कि, बोली लगाने वाले को फ्रीज बोली बटन पर क्लिक करना होगा, यह सुनिश्चित करने के लिए कि वह बोली प्रस्तुत करने की प्रक्रिया पूरी करता है। बोलियां, जो अवरूद्ध हुए नहीं हैं, को अपूर्ण / अमान्य बोलियों के रूप में मानकर तथा मूल्यांकन उद्देश्यों के लिए नहीं माना जायेगा ।  
It is important to note that, the bidder has to click on the Freeze Bid Button, to ensure that, Bid Submission Process is completed. Bids, which are not frozen, are considered as Incomplete/Invalid bids and are not considered for evaluation purposes.
14. स्थानीय मुद्दों के कारण बोलीदाताओं द्वारा ऑनलाइन बोली लगाने के दौरान किसी भी प्रकार की देरी या कठिनाइयों का सामना करने के लिए निविदा आमंत्रण प्राधिकरण (TIA) को जिम्मेदार नहीं ठहराया जाएगा।

The Tender Inviting Authority (TIA) will not be held responsible for any delay or the difficulties faced during submission of bids online by the bidders due to local issues.

15. बोलीदाता इस पोर्टल के माध्यम से ही बोली दस्तावेजों को ऑनलाइन मोड में जमा कर सकता है। इस प्रणाली के माध्यम से ऑफ़लाइन दस्तावेजों को संभाला नहीं जाएगा। तकनीकी बोली की केवल हार्ड कॉपी ईई (एम) III, एनएमपीटी को नियत तारीख से पहले पहुंचनी चाहिए। बोलीदाता यह सुनिश्चित करेगा कि न्यूनतम योग्यता से संबंधित सभी दस्तावेजों को तकनीकी बोली के साथ अनिवार्य रूप से अपलोड किया जाएगा, जिसमें असफल होने पर बोली को अस्वीकार कर दिया जाएगा।

The bidder may submit the bid documents in online mode only, through this portal. Offline documents will not be accepted. The bidder shall ensure that all the documents pertaining to minimum qualification shall be compulsorily uploaded along with the technical Bid failing which the bid shall be rejected.

16. बोली को फ्रीज़ करने के समय, ई-प्रोक्योरमेंट सिस्टम सभी बोली दस्तावेजों को अपलोड करने के बाद एक सफल बोली अपडेटिंग संदेश देगा और फिर बोली सारांश को बोली नंबर, तिथि और जमा करने के समय के साथ दिखाया जाएगा। अन्य सभी प्रासंगिक विवरणों के साथ बोली लगाएं। बोलीकर्ताओं द्वारा प्रस्तुत दस्तावेजों को बोलीदाता के ई-टोकन का उपयोग करके डिजिटल रूप से हस्ताक्षरित किया जाएगा और फिर प्रस्तुत किया जाएगा।

At the time of freezing the bid, the e-Procurement system will give a successful bid updating message after uploading all the bid documents submitted and then a bid summary will be shown with the bid no., date & time of submission of the bid along with all other relevant details. The documents submitted by the bidder should then digitally signed using the e-token of the bidder and then submitted.

17. बोली प्रस्तुत करने के बाद, बोली सारांश को प्रिंट करना होगा और बोली प्रस्तुत करने के टोकन के रूप में एक एक्रॉलेजमेंट के रूप में रखना होगा। बोली सारांश निविदा निविदा के लिए बोली प्रस्तुत करने के प्रमाण के रूप में कार्य करेगा और बोली उद्घाटन कार्यक्रम में भाग लेने के लिए प्रवेश बिंदु के रूप में भी कार्य करेगा।

After the bid submission, the bid summary has to be printed and kept as proof of submission of the bid. Entry to bid opening event will be restricted to bidders having proof of bid submission of the subject tender.

18. सिस्टम से सफल बोली प्रस्तुत करने का मतलब है, कि बोलीदाता द्वारा अपलोड की गई बोलियां प्राप्त होकर सिस्टम में संग्रहीत कर ली गयी हैं; सिस्टम इसकी शुद्धता के लिए प्रमाणित नहीं करता है। Successful bid submission means, the bids as uploaded by the bidder is received and stored in the system. System does not certify for correctness of the bid.

19. बोली लगाने वाले को यह देखना चाहिए कि प्रस्तुत किए गए बोली दस्तावेज वायरस से मुक्त हैं और यदि निविदा खोलने के दौरान वायरस के कारण दस्तावेज नहीं खुल पा रहे हैं तो बोली अस्वीकार कर दी जाएगी। इसके लिए आर्गेनाइजेशन जिम्मेदार नहीं होगी। The bidder should ensure that the bid documents submitted are free from virus. If NMPA is unable to open documents due to virus or any other reason during tender opening, the bid is liable to be rejected. NMPA will not be responsible for rejection of such bids.

20. टेंडर पोर्टल के शीर्ष पर सर्वर घड़ी से प्रदर्शित होने वाला समय, ई-प्रोक्योरमेंट पोर्टल में बोली प्रस्तुत करने, बोली खोलने आदि के अनुरोध के सभी कार्यों के लिए मान्य होगा। इस पोर्टल में अनुवर्ती समय भारतीय मानक समय (IST) के अनुसार है जो GMT + 5: 30 है। बोली लगाने के दौरान बोलीदाताओं को इस समय का पालन करना होगा। The time displayed from the server clock at the top of the tender Portal, will be valid for all actions of requesting bid submission, bid opening etc., in the e-Procurement portal. The Time followed in this portal is as per Indian Standard Time (IST) which is GMT+5:30. The bidders should adhere to this time during bid submission.

21. बोलीकर्ताओं से अनुरोध किया जाता है कि वे बोली प्रस्तुत करने की अंतिम तिथि और समय (सर्वर सिस्टम क्लॉक के अनुसार) से पहले निविदा प्रक्रिया के लिए ऑनलाइन ई-प्रोक्योरमेंट सिस्टम के माध्यम से निविदाएं प्रस्तुत करें। The bidders are requested to submit the bids through online e-Procurement system to the Tender Inviting Authority (TIA) well before the bid submission end date and time (as per Server System Clock).
22. भाग I- तकनीकी बीआईडी के साथ निविदा फार्म शुल्क, ईएमडी और बोली सुरक्षा घोषणा जमा किया जाएगा। फीस, बोली सुरक्षा घोषणा के बिना प्रस्तुत बीआईडी, जैसा कि ऊपर उल्लेख किया गया है, मूल्यांकन के लिए विचार नहीं किया जाएगा और सरसरी तौर पर खारिज कर दिया जाएगा। Tender form Fee, EMD and Bid security declaration shall be submitted with the Part I- Technical BID. BID submitted without fees and Bid security declaration, as mentioned above will not be considered for evaluation and shall be rejected.
23. बोली लगाने वाला / निविदाकार / ठेकेदार कर विभागों के साथ लागू रिटर्न समय में दाखिल करेगा और दस्तावेजी प्रमाण के रूप में प्रस्तुत करना होगा। The Bidder/Contractor shall file the applicable returns with Tax departments in time and submit the same as documentary proof.
24. पोर्ट को क्रेडिट करने के लिए जीएसटी लागू टैक्स चालान में एक अलग लाइन आइटम के रूप में दिखाया जाएगा। The GST applicable shall be shown as a separate line items in the Tax invoices to avail input credit to Port.
25. ईएमडी / एलडी / एसडी को जब्त करने की स्थिति में, जीएसटी लागू है; तथा जुर्माना लगाने के दौरान जीएसटी लागू किया जायेगा।  
In the event of forfeiting the EMD/SD GST is applicable and while imposing penalty/LD applicable GST shall be collected.

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**SCHEDULE OF TENDER (SoT)**

NIT No.: EE-I/ESD-I/A/2022-23/07/12

Dated: 07/12/2022

**NOTICE INVITING TENDER**

(Through E-Procurement only)

E-Tenders are invited by New Mangalore Port Authority through electronic tendering system under two bid system through CPP Portal i.e. <http://eprocure.gov.in/eprocure/app>,

Name of the Work	<b>PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA</b>
Mode of tender	E-Procurement System (Online Part I - Techno-Commercial Bid and Part II - Price Bid) through e-procurement portal <a href="https://eprocure.gov.in/cppp/">https://eprocure.gov.in/cppp/</a>
Estimated cost	<b>Rs. 6,30,49,359/-</b> (Rupees Six Crore Thirty Lakhs Forty Nine Thousand Three Hundred Fifty Nine only) excluding GST
Tender Fees	<b>Rs. 1680/-</b> (Rupees One Thousand Six Hundred Eighty only) inclusive of 12% GST - Non-refundable <b>OR</b> exemption certificate as per clause No 2.2.1(n) of ITB
Earnest Money Deposit	<b>Rs. 14,87,964/-</b> (Rupees Fourteen Lakhs Eighty Seven Thousand Nine Hundred Sixty Four only) inclusive of 18% GST <b>'OR'</b> exemption certificate as per clause No 2.2.1(n) of ITB
Date of Tender Document available to parties to download	<b>07/12/2022 at 18:00 Hrs.</b>
Date of starting of Pre Bid Queries	<b>07/12/2022 at 18:00 Hrs.</b>
Date of closing of Pre Bid Queries	<b>13/12/2022 at 15:00 Hrs.</b>
Date of Starting of e-Tender for submission Bid on line at <a href="http://eprocure.gov.in/eprocure/cpp">http://eprocure.gov.in/eprocure/cpp</a>	<b>14/12/2022 at 15:00 Hrs.</b>
Date of closing of e-Tender for submission of Bid.	<b>27/12/2022 at 15.00 Hrs.</b>
Date & Time of opening of Technical Bids	<b>28/12/2022 at 15.00 Hrs</b>
Date & Time of opening of Price Bid	Will be communicated separately to the qualified Bidders
<b>Contract Period</b>	<b>SITC OF COMPLETE SYSTEM – 4 MONTHS CAMC – 4 YEARS (AFTER 1 YEAR GUARANTEE PERIOD) DEPLOYMENT OF ONSITE SUPPORT - 5 YEARS</b>
Validity of Tender	120 days from the date of opening of Tender (Technical Bids)

Amendments to the tender (if any) will be issued only through web site <http://www.newmangaloreport.gov.in> and on [CPP Portal www.eprocure.gov.in/eprocure/app](http://www.eprocure.gov.in/eprocure/app)

Sd/-  
Executive Engineer (Ele) I



## 2. INSTRUCTIONS TO THE BIDDERS (ITB)

### 2.1 SCOPE OF BID

E-Tenders in Two Cover system (Techno-Commercial Bid and Price Bid) are invited by Executive Engineer (E) on behalf of New Mangalore Port Authority for the work of **“PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA”**.

### 2.2 TENDER SUBMISSION:

The Tender shall be uploaded as follows:

2.2.1 **Technical Bid** shall contain the following :

- a) Bid Security/EMD in the form of **Insurance Surety Bonds** or **Account Payee Demand Draft** or **Fixed Deposit Receipt** or **Banker's Cheque** or **Bank Guarantee** from any of the Commercial Banks or **payment online** is accepted.
- b) Earnest Money Deposit of **Rs. 14,87,964/-** (Rupees Fourteen Lakhs Eighty Seven Thousand Nine Hundred Sixty Four only) inclusive of 18% GST- proof of the same shall be uploaded along with the Technical Bid **'OR'** exemption certificate as per clause No 2.2.1(n) of ITB. Failure in submission of EMD will render the Bidders disqualified, except in the case as per clause No. 2.2.1 (n) below.
- c) TENDER FEE for Rs. **1680/-** (Rupees One Thousand Six Hundred Eighty only) inclusive of 12% GST - non-refundable - NEFT Receipt shall be uploaded along with the Technical Bid **'OR'** exemption certificate as per clause No 2.2.1(n) of ITB. Failure in submission of Tender fee will render the Bidders disqualified, except in the case as per clause No. 2.2.1 (n) below.
- d) All the documents should be as per the MQC. Technical Bid should not contain Price Bid. **“Disclosure/indication of Price in the Technical Bid shall render the tender disqualified and rejected”**.
- e) The Tender document duly signed and sealed by the Bidder on each page along with Annexure duly filled along with amendments issued by NMPA if any.
- f) Particulars of Bidder as per **Annexure – 1**.
- g) Supporting documentary evidence of work orders and also satisfactory completion certificate issued by the client,
- h) Tender Form as per **Annexure - 2**.
- i) Bank Details of the Bidder for E-Payment – **Annexure - 7**.
- j) Copies of the, GST Registration Certificate, ESI & PF Registration Certificate and PAN card to be submitted.
- k) Copies of profit and loss statements, balance sheet and Auditor's report for the last three years.
- l) Form of Declaration – **Annexure - 5**
- m) Power of Attorney: - **Annexure - 6**
- n) 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 Udyog Aadhar memorandum or any other body specified by Ministry of MSME shall be exempted of EMD & Tender Fee on producing self

attested supporting certificates and Bid Security Declaration as per Annexure-1 along with Technical Bid.

- o) Dispute review Board – **Annexure - 8**
- p) Details of ongoing contracts at NMPA – **Annexure - 9**
- q) Verification of Local Content – **Annexure - 10**
- r) Undertaking on Indemnification – **Annexure – 11**
- s) Indemnity Bond – **Annexure-12**
- t) Integrity Pact – **Annexure-13**
- u) Country sharing land & border declaration - **ANNEXURE -14**
- v) Country of origin declaration – **ANNEXURE -15**
- w) Payment receipt details certified by statutory auditor – **ANNEXURE – 16**
- x) Site Visit confirmation letter – **Annexure-17**

**2.2.2 Price Bid shall be uploaded only through ONLINE:** Technical Bid and Price Bid shall be uploaded through online only. Price bid should be quoted in the BOQ template available in the CPP portal only. The BOQ template must not be modified/ replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only. Any condition imposed in the price bid shall make the tender liable for out-right rejection. The contract shall be for the whole works as described in the scope of work based on the priced Bill of Quantities submitted through CPP portal by the Bidder. The Bidder shall fill in rates and prices for all items of the works described in the Bill of Quantities through CPP portal. Items for which no rate or price is entered by the Bidder will not be paid for by the Port when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.

### **2.3 ELIGIBLE BIDDER:-**

- 2.3.1 The invitation for bids is open only to all eligible Bidders meeting the eligibility criteria as defined in clause No.2.4.
- 2.3.2 Tender Form information as per Annexure 2.
- 2.3.3 Government owned Enterprises may only participate if they are legally and financially autonomous operate under commercial law and are not a dependent agency of the employer subject to fulfillment of minimum qualifying criteria.
- 2.3.4 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the employer in accordance with clause No.2.21

### **2.4 MINIMUM QUALIFICATION CRITERIA OF THE BIDDERS: (MQC)**

#### **2.4.1 FINANCIAL CRITERIA**

The Bidder should have an average Annual financial turnover of **Rs. 1,89,14,810/-** for the last 3 financial years 2018-19, 2019-20 & 2020-21

**Note:-** 1. Documentary evidence duly self attested viz – **Auditor’s Certificates (with UDIN No)**/balance sheet / latest income tax return filed/profit and loss statement for the three years shall be uploaded along with the bid.

2. If the bidder is already having ongoing contracts in NMPA, then his combined work order value of all the ongoing contracts shall be deducted from his Financial Capacity. The Financial Capacity of the bidder shall be assessed from the Average Annual Financial Turnover of the Bidder for the last three years ending **March 2021**. The Bidder shall be technically qualified, only if his balance Financial Capacity after reduction, is equal to or more than the estimate put to tender.

{Example: If the Average Annual Turnover of the bidder is Rs.3,00,000/- (Rupees Three lakhs only), then the Financial Capacity of the Bidder is considered to be Rs.10,00,000/-(Rupees Ten lakhs only). If the contractor declares total ongoing works at NMPA of value Rs.4,00,000/- (Rupees Four lakhs only) in **Annexure-10**, then the contractor can Bid only for the remaining Financial Capacity i.e Rs.6,00,000/-(Rupees Six lakhs only)}

#### 2.4.2 **TECHNICAL CRITERIA**

- i) The Bidder shall have successfully completed **Similar Works** during last 7 (Seven) years ending last day of month previous to the one in which tenders are invited should be either of the following:

One similar completed work costing not less than **Rs. 5,04,39,494/-**(Excluding GST)

OR

Two similar completed works each costing not less than **Rs. 3,15,24,684/-** (Excluding GST).

OR

Three similar completed works each costing not less than **Rs. 2,52,19,747/-** (Excluding GST).

**“Similar Work”** means **“SITC of Vehicle surveillance system/CCTV surveillance system or SITC of IT infrastructure works which includes Vehicle surveillance system/CCTV Surveillance system”**.

**Note: If the projects consisting of SITC part including AMC works and the AMC is ongoing in such cases, the satisfactory completed SITC part work & value shall be considered for evaluation purpose excluding AMC part work & value.**

- ii) In order to meet the Technical criteria as per clause No.2.4.2.(i) above, the bidder shall submit the following documents along with the technical bid:-
- a. The bidder has to submit the details of payments received for the works executed in **Annexure - 16** in full, duly signed and sealed by the statutory auditor with the UDIN number. In case any information in this annexure is found to be

false or incorrect, that particular work shall not be considered for evaluation. Further, in case of false certification by the statutory auditor, same shall be informed to the Institute of Chartered Accountants of India (ICAI), for necessary action deemed fit.

- b. 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, for the contracts mentioned at **Annexure-16**. If the bidder does not enclose LOA/work order/Agreements/completion certificates along with the Technical bid, as desired for any of the works mentioned at **Annexure-16**, that particular work shall not be considered for further evaluation. The Bidder shall also enclose detailed BOQ with rates and scope of work supporting the LOA/work order/agreements/completion certificates submitted as per **Annexure-16** TDS certificate clearly showing the tax deduction from client for related work orders/agreements shall be attached for verification.

**Note:** The BOQ & Scope of work supporting the LOA/Work order/Agreements should have Clients endorsement.

- c. The works declared by the bidder in Annexure-16 only shall be considered for technical qualification of the bidders. LOA/Work orders/agreements other than the ones mentioned in this Annexure-16 shall not be considered for evaluation, even if they have been uploaded along with the technical bid. Bidder shall not have any claim on this account later on.

**Note: If the completed/performance certificate uploaded is indicating completed value inclusive of Service Tax/GST as applicable, then the bidder shall submit a Statutory auditors certificates as per Annexure-16, indicating the completed value of works excluding Service Tax/GST.**

2.4.3 Even though the Bidders meet the qualifying criteria as per clause 2.4, they are subject to be disqualified and debarred for a period of three (3) years from participating for tenders at New Mangalore Port Authority duly informing the MSME authorities if applicable, if they have:

- 2.4.3.1 made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- 2.4.3.2 Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history with New Mangalore Port Authority or financial failures etc.

2.4.4 **LAST DATE FOR SUBMISSION OF TENDER:** NMPA may at its sole discretion reserves the right to extend the date for receipt of tender.

## **2.5 RATES TO BE INCLUDED FOR ALL OPERATIONAL EXPENSES:**

2.5.1 The contractor may visit the Port Authority area before quoting. The Bidder should quote the rate by taking into consideration all expenses.

2.5.2 The GST as applicable will be paid extra by the Port. The GST Registration Number of the Bidder shall be furnished invariably in the tender as well as the Bills/Invoices. Copy of GST registration certificate shall be enclosed along with the tender.

2.5.3 GST will be paid on production of documentary proof of registration with the Central Excise Department only.

## **2.6 AUTHORITY IN SIGNING TENDER DOCUMENTS:**

2.6.1 The tender, if submitted on behalf of a Partnership Firm should be signed either by all the partners or some of the partners or other persons holding a valid "Power of Attorney" from other partners or all the partners constituting the firm.

2.6.2 In case of a Company, the tender should be signed by a person holding a valid Power of Attorney executed in his favour in accordance with the constitution of the Company.

## **2.7 ONE BID PER BIDDER**

2.7.1 Each bidder shall submit only one bid for one package. A bidder who submits or participates in more than one Bid (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Bidder's participation to be disqualified.

2.7.2 A Bidder shall not have a conflict of interest. All Bidders found to have conflict of interest shall be disqualified. Bidders may be considered to have a conflict of interest with one or more parties in this Tendering process, if they are or

1. have been associated in the past, with a firm or any of its affiliates which have been engaged by the Employer to provide consulting services for the preparation of the design, specifications, and other documents to be used for the services to be rendered under these Tendering Documents ; or

2. Submit more than one Tender in this Tendering process.

2.7.3 A Bidder that is under a declaration of ineligibility by the Employer in accordance with ITB Clause 2.21, at the date of contract award, shall be disqualified.

2.7.4 Bidders shall provide such evidence of their continued eligibility satisfactory to

the Employer, as the Employer shall reasonably request.

## **2.8 BIDDER TO INFORM HIMSELF FULLY**

- 2.8.1 The Bidder is expected to examine carefully the contents of all the documents provided like instructions to the Bidders, Tender Conditions, Scope of work etc. Failure to comply with the requirements of the tender will be at the Bidders own risk. The Bidder to ensure to make a complete and careful examination of requirements and other information set out in the tender document. The Bidder shall be deemed to have, visited the site and surroundings and have obtained all necessary information in all the matters whatsoever that might influence while carrying out the Works as per the conditions of the tender and to satisfy himself to sufficiency of his tender etc.
- 2.8.2 The Bidder shall examine carefully the conditions of contract in the Tender documents supplied herewith. Though every effort is made herein to give basic data as exhaustively as possible, the Bidder is advised to visit the New Mangalore Port and its approaches and get himself thoroughly acquainted with all necessary data concerning weather conditions, working conditions, sea conditions, etc. for the purposes of making a correct offer. All costs, charges and expenses that may be incurred by the Bidder in connection with such investigations for the submission of his offer shall be borne by him and the Board accepts no liability or responsibility whatsoever therefore.
- 2.8.3 Bidder shall bear all costs associated with the preparation and submission of his tender and NMPA will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the tendering process.
- 2.8.4 Bidder shall visit the site and examine the feasibility and take site visit confirmation letter signed by Executive Engineer (Electrical), NMPA before submitting the bid. The Site Visit letter needs to be submitted in technical bid as per the **Annexure-17** of the Tender Document.

## **2.9 Earnest Money Deposit:**

- 2.9.1 The tender shall be accompanied by proof of Earnest Money deposit of **Rs. 14,87,964/-** (Rupees Fourteen Lakhs Eighty Seven Thousand Nine Hundred Sixty Four only) inclusive of 18% GST '**OR**' exemption certificate as per clause No 2.2.1(n) of ITB. EMD in the form of Insurance Surety Bonds or Account Payee Demand Draft or Fixed Deposit Receipt or Banker's Cheque or Bank Guarantee from any of the Commercial Banks or payment online is accepted. The tender without EMD shall be rejected, except in the case as per clause No.2.2.1 (n).
- 2.9.2 In the event of Tenderer withdrawing his tender before the expiry of tender validity period of **120 days** from the date of opening, the tender shall be cancelled and EMD shall be forfeited. **Applicable GST shall be recovered on forfeiture of EMD.**

- 2.9.3 The Earnest Money Deposit of unsuccessful Tenderers shall be returned without interest as early as possible on award of Contract to the successful Tenderer. The Earnest Money Deposit of the successful Tenderer shall be refunded (without interest) only on receipt of **Security Deposit cum Performance Guarantee** as stipulated in the tender clause **2.20**. In the event of forfeiting of EMD/LD/SD and while imposing penalty GST shall be collected.
- 2.9.4 NMPA reserves the right to forfeit the Earnest Money Deposit in respect of successful Tenderer, if he fails to enter into a Contract and furnish the necessary Performance Guarantee towards performance within **28 days** from the date of issue of **Letter of Acceptance**, otherwise penalty @ 0.25% of the amount of the Performance Guarantee for each week or part thereof for the number of weeks delayed beyond the stipulated date of submission shall be levied maximum up to 2.5% of the amount of the Performance Guarantee.
- 2.9.5 In the event of forfeiting the Performance Security, GST is applicable and while imposing penalty & Liquidated damages GST as applicable shall be collected.
- 2.9.6 The bidder shall be disqualified/terminated duly forfeiting EMD (if applicable) and may be debarred for a period of three (3) years from participating for tenders at New Mangalore Port Authority duly informing the MSME authorities if applicable, if

2.9.6.1 The Bidder withdraws the Bid after Bid opening during the period of Bid Validity;

2.9.6.2 The successful Bidder fails within the specified time limit to:

- a. Sign the Agreement AND / OR furnish the required Performance security.
- b. Fail to commence the work on the specified date as per LOA/Work order.
- c. 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.
- d. If any information or representation submitted by Bidder is found to be false or incorrect.
- e. Any effort by the Bidder to influence the Employer on bid evaluation, bid comparison or contract award decision.

**2.10 TENDER VALIDITY:** The tender shall remain valid for acceptance for a period of 120 days from the date of opening of Technical Bid. NMPA reserves their right to extend the period of validity for a specific time. The request and the response, thereto, shall be made in writing by post or by Fax/e-mail. A bidder may refuse the request which may be accepted by NMPA. However, in the event of the Bidder agreeing to the request; he shall not be permitted to modify his tender.

**2.11 AMENDMENTS:**

- 2.11.1 At any time, prior to the last date for submission of tenders, NMPA reserves the right to amend and modify the tender document by issuing Addendum/Corrigendum which shall be uploaded in the CPP/PORT Websites.
- 2.11.2 The Addendum/Corrigendum so issued shall form part of the Contract and shall be binding upon the Bidders. NMPA may at their discretion, extend the last date for submission of the tender, to enable the Bidders to have reasonable time to submit their tender after taking into consideration such amendments, which shall also be uploaded

to the Websites. The Bidder shall acknowledge receipt of such Addenda/ Corrigenda and submit the same along with his Tender duly signed and sealed in all pages.

**2.12 LANGUAGE OF TENDER :**

The Tender submitted by the Bidder and all correspondence and documents relating to the Tender exchanged by the Bidder and the NMPA shall be written in the English language. Any printed literature, other than English language, shall be accompanied by an English translation, in which case, for purpose of interpretation of the tender, the English translation shall govern.

**2.13 MODIFICATION, SUBSTITUTION AND WITHDRAWAL OF PROPOSAL:**

No offer shall be modified, substituted or withdrawn by the Bidder after the closing time on due date. Withdrawal of a proposal during the interval between closing time on proposed due date and expiry of the proposal validity period would result in disqualification of the bidder as per clause 2.9 of Tender Document.

**2.14 TENDERED CURRENCIES:**

Prices shall be quoted in Indian Rupees only and all payments will be made in Indian Rupees.

**2.15 PRE BID QUERIES**

Pre-bid queries received in online mode on CPP portal will only be considered.

**2.16 TENDER OPENING AND EVALUATION:**

2.16.1 **OPENING OF TECHNICAL BID:** Technical bids of the Tender, received up to closing time on stipulated date, shall be opened as per the Important Instructions of CPP.

**2.16.2 SCRUTINY AND EVALUATION OF THE TENDER**

2.16.2.1 Prior to the detailed evaluation of bid, the employer will determine whether each bid (a) meets the eligibility criteria defined at 2.3 & 2.4 above (b) has been properly signed by an authorized signatory holding Power of Attorney in his favor (c) accompanied by Tender fee (if applicable), EMD (if applicable) and (d) is responsive to the requirement of the bidding documents. If any of the above conditions are not satisfied, the bid shall be rejected outright.

2.16.2.2 **Conditional offer or alternative offers will not be considered further in the process of tender evaluation.**

2.16.2.3 A substantially responsive technical and Financial Bid is one which conforms to all the terms, conditions and specifications of the bidding documents, without material deviation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality or performance of the works; (b) which limits in any substantial way, the employers right or bidders obligations under the contract or (c) whose rectification would affect unfairly the competitive position of others bidders presenting responsive bids. The Bidder who does not fulfill the tender requirements shall not be considered for further evaluation.

2.16.2.4 After the tender opening, the whole process involving scrutiny, clarifications, evaluation and comparison of tenders and recommendations regarding award of Contract shall be confidential. Any efforts on part of any Bidder to influence the Port Authority in any way in the process of scrutiny, evaluation, comparison of tenders and decision concerning award of Contract may result in rejection of the



Bidder's bid.

2.16.2.5 To assess the scrutiny, evaluation and comparison of tenders, the Port Authority may ask Bidder individually for clarifications. Clarifications shall be sought only on the documents submitted along with the bid. No new documents/work orders shall be entertained which was not part of the original submission whose acceptance would affect unfairly the competitive position of others bidders presenting responsive bids. Request for clarification and response thereto shall be in writing/email or through fax. If the Bidder fails to submit the requested documents within the time specified by the department, his bid is liable to be rejected. No change in Price or substance of the tender shall be sought, offered or permitted nor is the Bidder permitted to withdraw the tender before the expiry of the validity period of the tenders in the process of clarifications.

2.16.2.6 If a Technical Bid is not substantially responsive, it will be rejected by the employer, and may not subsequently be made responsive by correction or withdrawal of the non conforming deviation or reservation. The Price/Financial Bid of those bidders shall not be opened.

### **2.16.3 OPENING OF PRICE BID:**

- i. Tenders, which are found to be in conformity with NMPA's Tender requirement, shall be considered for opening of Price Bid.
- ii. The Bidders found to be qualified and responsive shall be informed about the date and time of opening of their Price Bids. On the stipulated date and time the Price Bids of such Bidders shall be opened online.
- iii. The Bidders has to quote the rate for the subject work in the price Bid format- PART III excluding GST.
- iv. The evaluation shall be done on the basis of **lowest value (L1)** quoted. The GST element if any will **not be considered** for comparison.
- v. Further, in order to promote the Make in India Initiative by the Government of India, Class 1 Local suppliers shall get purchase preference over Class II local suppliers as well as non Local supplier as per the following procedure (Refer GCC Clause 3.1 definitions) :-
  - a. Among all qualified bids, the lowest bid will be termed as L1, if L1 is Class I Local supplier, the contract will be awarded to L1.
  - b. If L1 is not a Class-I Local Supplier, the lowest bidder among the Class-I local supplier, will be invited to match the L1 price subject to Class-I local Supplier's quoted price falling within the margin of Purchase preference, and the contract shall be awarded to such Class-I Local supplier subject to matching the L1 price.
  - c. In case such Lowest eligible Class- I local supplier fails to match the L1 price, the Class-I local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the Class I supplier within the margin of purchase preference matched the L1 price, the contract may be awarded to the L1 bidder.

**Note:** The Class-I local supplier/Class-II Local Supplier shall submit the self attested copy of Annexure-10 compulsorily along with the Bid clearly indicating the percentage of local content (local staffs that the contractor shall be deploying, in case the contract is awarded to him) and provide self certification that the services/items offered meets the local content requirement for Class I supplier/Class II local supplier, as the case may be.

- vi. The Bidder, whose bid is accepted by the Port Authority, shall be duly informed in writing. Within 7 days of receipt of intimation, regarding acceptance of its bid, the Bidder shall submit draft Contract agreement in the format approved by the Port Authority as in the **ANNEXURE-3** of Tender Document, and within a week thereafter

the Contract agreement shall be signed between the Port Authority and the successful Bidder.

- vii. If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer or his Representative's estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analysis for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the implementation/construction methods and schedule proposed.
- viii. Offers, deviations & other factors which are in excess of the requirement of the Tender document or otherwise result in the accrual of unsolicited benefits to the Employer shall not be taken into account in Tender evaluation.
- ix. **The price Bid with any counter conditions will be summarily rejected.**

## **2.17 AWARD OF CONTRACT:**

**Award Criteria:** The employer will award the contract to the L1 Bidder whose bid has been determined to be responsive to the bidding documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be (a) eligible in accordance with the provisions of Clause No.2.3 and (b) qualified in accordance with the provisions of clause No.2.4.

## **2.18 EMPLOYERS RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL :**

Notwithstanding Clause No.2.17, the employer reserves the right to accept or reject any bid and to cancel the bidding process and reject all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or bidders on the grounds for employer's action. Further, NMPA does not bind them to accept the lowest offer.

## **2.19 NOTIFICATION OF AWARD AND SIGNING OF AGREEMENT**

- 2.19.1 The bidder whose bid has been accepted will be notified of the award by the employer prior to expiration of the bid validity period. This letter (herein after and in the conditions of contract called the "letter of acceptance") will state the sum that the employer will pay the contractor in consideration of the execution completion and maintenance of the works by the contractor as prescribed by the contract (hereinafter and in the contract called the "contract price").
- 2.19.2 The notification of award will constitute the formation of the contract subject only to the furnishing of a performance security in accordance with the provision of clause 2.20.
- 2.19.3 The agreement will incorporate all correspondence between the employer and the successful bidder. The Contractor shall enter into and execute the Contract Agreement, to be prepared and completed at the cost of the Contractor, in the **Annexure-3** with such modifications as may be necessary within **14 Days** from the Date of issue of LOA. The agreement to be executed on a non-judicial Stamp paper of value Rs.100/-. The completion period of the contract shall be as mentioned in the LOA/Work order. **The Bidder shall submit 10 sets of Agreement copies at his own cost.**

## **2.20 PERFORMANCE SECURITY:**

- i. **Performance security for PART-I (Supply, Installation, Testing & Commissioning):** Performance security for a sum equivalent of **3%** of the total contract value (Part-I) including GST shall be submitted in the form of Insurance Surety Bonds or Account Payee Demand

Draft or Fixed Deposit Receipt from a Commercial Bank or Bank Guarantee from a Commercial Bank or online payment are accepted in the approved format **within 28 days** from the date of issue of LOA. The Performance security shall be kept valid for the total contract period (4 months) and Guarantee for one year plus Three Months claim Period (for BG). Thereafter, the total of 3% of Performance Security shall be released to the Contractor after successful completion of the Guarantee Period, deducting any dues payable to the Port. Failure to comply with the above shall lead to termination of contract as per clause No. 2.9 of ITB. If the contract is extended on mutual consent at the same rates, terms and conditions of the contract, then the Performance security shall also be extended for the same period plus Three Months claim period.

ii. **Performance Security for PART II & III (CAMC & Deployment of Manpower):**

Performance security for a sum equivalent of **3%** of the total contract value (for Part-II & III) including GST shall be submitted in the form of Insurance Surety Bonds or Account Payee Demand Draft or Fixed Deposit Receipt from a Commercial Bank or Bank Guarantee from a Commercial Bank or online payment are accepted in the approved format **within 28 days** from the date of issue of LOA. The Performance security shall be kept valid for one year Three Months claim Period and the same has to be renewed for every year until the expiry of contract period (CAMC and Onsite resource). Thereafter, the total of 3% of Performance Security shall be released to the Contractor after successful completion of the Contract period of CAMC & Manpower, deducting any dues payable to the Port. Failure to comply with the above shall lead to termination of contract as per clause No. 2.9 of ITB. If the contract is extended on mutual consent at the same rates, terms and conditions of the contract, then the Performance security shall also be extended for the same period plus Three Months claim period (in case of BG).

**Note:-** i) The Penalty for the delay in submission of the Performance Security within the stipulate date above shall be at the rate of 0.25% of the amount of performance Security for each week or part of the week for the number of weeks delayed beyond the stipulated date of submission.

ii) The performance security shall be complied as per the orders/amendments issued by the Authorities

## **2.21 CORRUPT OR FRAUDULENT PRACTICES**

The Employer requires that Bidders/Suppliers/Contractors under this contract, observe the highest standard of ethics during the procurement and execution of this contract. In pursuance of this policy, the Employer

i. defines, for the purpose of these provisions, the terms set forth below as follows:

a. "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and

b. "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.

- ii. Will reject a proposal for award of work if he determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
- iii. Will declare a Bidder ineligible, either indefinitely or for a stated period of time, to be awarded a contract/contracts if he at any time determines that the Bidder has engaged in corrupt or fraudulent practices in competing for, or in executing, the contract.

**2.22 THE LAW, WHICH APPLIES TO THE CONTRACT:** The Contract shall be governed by the Indian Contract Act and under the Indian Law. The Arbitration for settlement of disputes shall be held in Mangalore, Karnataka, India.

Apart from the above, conciliation through conciliation committees/ councils comprising of independent subject experts may also be explored to settle the disputes.

Executive Engineer (Ele)I

### 3 GENERAL CONDITIONS OF CONTRACT

#### A: GENERAL:

#### 3.1 DEFINITIONS:

Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Capital initials are used to identify defined terms;

- i. **Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Bid.
- ii. **Compensation Events** are those defined in Clause No.3.30.
- iii. The **Completion Date** is the date of completion of the Works as certified by the Engineer or his nominee in accordance with Clause No.3.36.
- iv. The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause No. 3.2(iii).
- v. The **Contract Data** defines the documents and other information which comprise the Contract.
- vi. The **Contractor** is a person or corporate body whose Bid to carry out the Works has been accepted by the Employer.
- vii. The **Contractor's Bid** is the completed Bidding documents submitted by the Contractor to the Employer.
- viii. The **Contract Price** is the price stated in the letter of acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
- ix. **Days** are calendar days, **months** are calendar months.
- x. A **Defect** is any part of the Works not completed in accordance with the Contract.
- xi. The **Defects Liability Period** is the period named in the Contract Data and calculated from the Completion Date.
- xii. The **Employer** is the party who will employ the Contractor to carry out the Works.
- xiii. The **Site** is the area defined as such in the Contract Data.
- xiv. The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Engineer or his nominee by issuing an extension of time.
- xv. **Materials** are all supplies, including consumables, used by the contractor for incorporation in the Works.

- xvi. The **Engineer or his nominee** is the person named in the Contract Data (or any other competent person appointed and notified to the contractor to act in replacement of the Engineer or his nominee) who is responsible for supervising the Contractor, administering the Contract, certifying payments due to the Contractor, issuing and valuing Variations to the Contract, awarding extensions of time and valuing the Compensation Events.
- xvii. **Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Engineer or his nominee.
- xviii. The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Date.
- xix. A **Variation** is an instruction given by the Engineer or his nominee which varies the Works.
- xx. The **Works** are what the Contract requires the Contractor to Supply, install and turn over to the Employer as defined in the Contract Data.
- xxi. **“Local Content”** means the amount of value added in India which shall unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.
- xxii. **“Class – I local supplier”** means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%.
- xxiii **“Class – II Local Supplier“** means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%.
- xxiv **“Non Local supplier”** means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%.
- xxv **“Margin of purchase preference”** means the maximum extent to which the price quoted by a Class – I local supplier may be above the L1 for the purpose of purchase preference, which shall be 20%.
- xxvi **“L1”** means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.
- xxvii **“Nodal Ministry”** means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services or works.
- xxviii **“Procurement entity”** means a Ministry or Department or attached or subordinate office of or autonomous body controlled by, the Government of India and includes Government companies as defined in the companies act.

### **3.2 INTERPRETATION:**

- i. In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Engineer or his nominee will provide instructions clarifying queries about the Conditions of Contract.
- ii. If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion date for the whole of the Works).
- iii. The documents forming the Contract shall be interpreted in the following order of priority:
  - a. Agreement
  - b. Letter of Intent and work order.
  - c. Contractors Bid
  - d. Contract Data
  - e. Conditions of Contract including Special Conditions of Contract.
  - f. Specifications
  - g. Drawings, if any
  - h. Bill of quantities and
  - i. any other documents listed in the Contract Data as forming part of the Contract.

### **3.3 LANGUAGE AND LAW:**

The language of the Contract and the law governing the Contract are stated in the Contract Data.

### **3.4 ENGINEER OR HIS NOMINEES DECISION:**

Except where otherwise specifically stated, the Engineer or his nominee will decide contractual matters between the Employer and the Contractor in the role representing the Employer.

### **3.5 DELEGATION:**

The Engineer or his nominee may delegate any of the duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

**3.6 COMMUNICATIONS:** Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act 1872).

**3.7 PERSONNEL:** The Contractor shall employ the personnel as Onsite Support Resource as referred to in the Contract Data to carry out the functions stated in the Schedule or other personnel approved by the Engineer or his nominee. The Engineer or his nominee will approve any proposed replacement of key personnel only if their qualifications, abilities, and relevant experience are substantially equal to or better than those of the personnel listed in the schedule.

If the Engineer or his nominee asks the contractor to remove a person who is a member of the contractor's staff of his work force stating the reasons, the contractor shall ensure that the person leaves the site within seven days and has no further connections with the work in the contract.

### **3.8 EMPLOYERS AND CONTRACTORS RISKS:**

The Employer carries the risks which this Contract states are Employer's risks and the contractor carries the risks which this Contract states are contractor's risks.

### **3.9 EMPLOYERS RISKS:**

The Employers risks are

- a. in so far as they directly affect the execution of the Works in the country where the Permanent Works are to be executed:
  1. war and hostilities (whether war be declared or not), invasion, act of foreign enemies;
  2. rebellion, revolution, insurrection, or military or usurped power, or civil war;
  3. ionizing radiations, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste, from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof;
  4. pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds; and
  5. riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works;
  6. Unforeseen Rains (Rains if any; during the period other than the Monsoon period as stated in the Tender), floods, tornadoes, earthquakes and landslides.
- b. loss or damage due to the use or occupation by the Employer of any Section or part of the Permanent Works, except as may be provided for in the Contract;
- c. loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; and
- d. any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:
  1. could not have reasonably foreseen, or
  2. could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:
    - A. prevent loss or damage to physical property from occurring by taking appropriate measures, or
    - B. Insure against.



### 3.10 CONTRACTORS RISKS:

All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

### 3.11 INSURANCE:

The insurance shall be as follows;

1. All the materials shall stand insured in the name of New Mangalore Port Authority from the time of arrival at site till commencement of installation against fire, pilferage and damage for the value of 90% of each item. The charges for the insurance shall be borne by the Contractor.
2. During erection and till the work is completed and satisfactory taken over by the N.M.P.T after testing the materials shall stand covered by suitable erection Insurance also for the value of 110% of the item. The charges for the insurance shall be borne by the Contractor.
3. All the men/women to be deployed by the Contractor for performing the contract shall be insured against injury/accidents/death by the Contractor at his own cost.
4. The Contractor shall indemnify New Mangalore Port Authority against all losses and claims In case of death or injury caused to any person by him during the execution of the work.
5. The Contractor shall effect and maintain the following policies at no cost to NMPA, during Contract period with an Indian Insurance Company approved by Insurance Regulatory Development Authority of India (IRDA).
  - i. **Commercial General Liability (CGL):** The Contractor is required to take a Commercial General Liability (CGL) Insurance policy during execution of contract work to the extent of 50% of the contract value to cover Third party Liability with cross liability extension. The following third party liabilities shall be covered;
    - a. Third party bodily injuries / death / disablement (persons not belonging to Employer and/or Contractors.
    - b. Third party Property damage which includes damages to others materials/pipeline/cargo/inventories/equipment/other facilities belonging to third party and inclusive of properties during construction/erection/ Government properties.
    - c. The value of third party legal liability for compensation for loss of human life or partial / total disablement as well as for damage to others equipment/material/property shall be of required statutory limit where applicable or as awarded by Court of Law.

The policy will be on claim made basis with retroactive date from the date of commencement of the contract and shall be valid throughout the tenure of the contract period (including defect liability period) and be also valid during the extended period if any.

The policy will be having claim series clause and extended notification clause with cross liability extension.

- ii. **Employer Liability Insurance:** The Contractor shall indemnify and keep indemnified the Employer against all damages or compensation payable at Law in respect of or in consequence of any accident or injury to any workman or other person in the employment of the Contractor or Sub-Contractor against all claims, demands, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto and the Employer shall be at liberty to deduct or adjust from the Contractor's bills an amount that Employer may be called upon to pay towards claims, demands, proceedings, costs, charges and expenses whatsoever in respect of or in relation to any accident or injury referred to above without any reference to the Contractor.

The Contractor shall be registered under ESI as per the relevant statute and act and shall continue such insurance till completion of the Contract covering all the employees/workers/casual labour/contract labour/outsourced persons under his supervision deputed for the said contract work. The Contractor shall also submit such policy of insurance as and when required by the Employer / Employers representatives.

- iii. **Automobile Liability Insurance** covering use of vehicles / mobile equipments used by Contractor or sub-contractor(s) (whether or not owned by them) in connection with the execution of the contract.
- iv. **Claim Lodgement:** In all cases the Contractor shall lodge the claim with the underwriters and also settle the claims. All claims shall be settled in India. However, the Contractor shall proceed with the repairs and/or replacement of the damaged structures / facilities without waiting for the settlement of the claims. In case seizure of materials by concerned authorities the Contractor shall arrange prompt release against bond, securities or cash as required.

The Contractor will indemnify to the fullest extent permitted by law and keep the Employer, its officers, employees and other related parties hold harmless from all claims for bodily injury and property damage that may arise from the performance of the work

**3.12 THE WORKS TO BE COMPLETED BY THE INTENDED COMPLETION PERIOD:**

The Contractor may commence execution of the works on the Start Date and shall carry out the works in accordance with the Bar Chart submitted by the contractor as updated with the approval of the Engineer or his nominee, and complete them by the Intended Completion Date.

**3.13 SAFETY:** The Contractor shall be responsible for the safety of all activities on the Site.

**3.14 POSSESSION OF THE SITE:**

The Employer shall give possession of all parts of the Site to the Contractor, free from encumbrances. If possession of a part is not given by the start date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be a Compensation Event.

**3.15 ACCESS TO THE SITE:**

The Contractor shall allow the Engineer or his nominee and any person authorized by the Engineer or his nominee access to the Site to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured, fabricated and/or assembled for the works.

**3.16 INSTRUCTIONS:**

The Contractor shall carry out all instructions of the Engineer or his nominee which comply with the applicable laws where the Site is located.

**3.17 DISPUTES:**

If the Contractor believes that a decision taken by the Engineer or his nominee was either outside the authority given to the Engineer or his nominee by the Contract or that the decision was wrongly taken, the decision shall be referred to the Dispute Review Board (DRB) within 28 days of the notification of the Engineer or his nominee's decision.

**3.17.1 SETTLEMENT OF DISPUTES:**

If a dispute of any kind whatsoever arises between the Employer and the Contractor in connection with, or arising out of the Contract or the execution of the Works, whether during the execution of the Works or after their completion and whether before or after repudiation or after termination of the Contract, including any disagreement by either party with any action, inaction, opinion, instruction, determination, certificate or valuation of the Engineer or his nominee, the matter in dispute shall, in the first place be referred to the Disputes Review Board [DRB].

Unless the Contract has already been repudiated or terminated or frustrated the Contractor shall in every case, continue to proceed with the Works with all due diligence and the Contractor and the Employer shall give effect forthwith to every decision of the Engineer or his nominee unless and until the same shall be revised, as hereinafter provided, in a Dispute Review Board Recommendation / Arbitral Award.

**3.17.2 Arbitration:** Any dispute in respect of in respect of contracts where party is dissatisfied by the Dispute Review Board's (DRB) decision shall be decided by arbitration as set forth below:

- i) A dispute with contractor shall be finally settled by arbitration in accordance with the Indian Arbitration and Conciliation Act, 1996, or any statutory amendment thereof. The arbitral tribunal shall consist of 3 arbitrators, one each to be appointed by the Employer and the contractor, and the third to be appointed by the mutual consent of both the arbitrators, failing which by making a reference to CIDC-SIAC Arbitration Center from their panel.
- ii) Neither party shall be limited in the proceedings before such arbitrators to the evidence or arguments already put before the Engineer or his nominee or the Board, as the case may be, for the purpose of obtaining said recommendations/decision. No such recommendations/decision shall disqualify the Engineer or his nominee or any of the members of the Board, as the case may be, from being called as a witness and giving evidence before the arbitrators or any matter whatsoever relevant to the dispute.
- iii) The reference to arbitration shall proceed notwithstanding that the works shall not then be

or be alleged to be complete, provided always that the obligations of the Employer, the Engineer or his nominee and the Contractor shall not be altered by reason of the arbitration being conducted during the progress of the works. Neither party shall be entitled to suspend the works to which the dispute relates, and payment to the Contractor shall be continued to be made as provided by the contract.

- iv) If one of the parties fails to appoint its arbitrators in pursuance of sub-clause [i], within 14 days after receipt of the notice of the appointment of its arbitrator by the other party, then President/Chairman of the nominated Institution shall appoint arbitrator within 14 days of the receipt of the request by the nominated institution. A certified copy of the President's/Chairman's order, making such an appointment shall be furnished to both the parties.
- v) Arbitration proceedings shall be held at Mangalore, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be 'English
- vi) The Arbitration shall be conducted by the experts from the panel of CIDC-SIAC Arbitration Center.
- vii) The decision of the majority of arbitrators shall be final and binding upon both parties. The expenses of the arbitrators as determined by the arbitrators shall be shared equally by the Employer and the Contractor. However, the expenses incurred by each party in connection with the preparation, presentation, etc. of its case prior to, during and after the arbitration proceedings shall be borne by each party itself.
- viii) All arbitration awards shall be in writing and shall state the reasons for the award.
- ix) Performance under the contract shall continue during the arbitration proceedings and payments due to the contractor by the Employer shall not be withheld, unless they are subject matter of the arbitration proceedings.

### **3.18 BAR CHART:**

1. Bar Chart showing stage wise activities of the work should be uploaded **along with the Technical Bid**. However, the successful Bidder shall review the Bar Chart & take prior approval from the Engineer before commencement of work.
2. An update of the Bar Chart shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.
3. The Contractor shall submit to the Engineer on the first day of each week or such longer period as the Engineer may from time to time direct, a progress report in an approved form showing up-to-date total progress, progress achieved against planned progress, during the previous week and progress forecast for the following week for all important items in each section or portion of the Works, in relation with the approved Program.
4. The Contractor shall submit to the Engineer or his nominee, for approval an updated Program at intervals no longer than the period stated in the Contract Data. If the Contractor does not submit an updated Program within this period, the Engineer or his nominee may withhold the amount stated in the Contract Data from

the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted.

5. The Engineer or his nominee's approval of the Bar Chart shall not alter the Contractor's obligations. The Contractor may revise the Bar Chart and submit it to the Engineer or his nominee again at any time. A revised Bar Chart is to show the effect of Variations and Compensation Events.

### **3.19 EXTENSION OF INTENDED COMPLETION DATE:**

1. The Engineer or his nominee shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost.
2. The Engineer or his nominee shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Engineer or his nominee for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

### **3.20 DELAYS ORDERED BY THE ENGINEER OR HIS NOMINEE:**

The Engineer or his nominee may instruct the Contractor to delay the start or progress of any activity within the Works.

### **3.21 MANAGEMENT MEETINGS:**

1. Either the Engineer or his nominee or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
2. The Engineer or his nominee shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken is to be decided by the Engineer or his nominee either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

### **3.22 EARLY WARNING:**

1. The Contractor is to warn the Engineer or his nominee at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price or delay the execution of works. The Engineer or his nominee may require the Contractor to provide an estimate of the expected effect of the event or circumstance on the Contract Price and Completion Date. The estimate is to be provided by the Contractor as soon as reasonably possible.

2. The Contractor shall cooperate with the Engineer or his nominee in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Engineer or his nominee.

## **B. QUALITY CONTROL:**

### **3.23 IDENTIFY DEFECTS:**

The Engineer or his nominee shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Engineer or his nominee may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer or his nominee considers may have a Defect.

### **3.24 TESTS:**

If the Engineer or his nominee instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

### **3.25 CORRECTION OF DEFECTS:**

1. The Engineer or his nominee shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
2. Every time notice of a Defect is given, the Contractor shall correct the notified defect within the length of time specified by the Engineer or his nominee's notice.

### **3.26 UNCORRECTED DEFECTS:**

If the Contractor has not corrected a Defect within the time specified in the Engineer or his nominee's notice the Engineer or his nominee will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

## **C. COST CONTROL:**

### **3.27 BILL OF QUANTITIES:**

1. The Bill of Quantities shall contain items for the supply, installation, testing and commissioning work.
2. The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.

### **3.28 VARIATIONS AND ITS VALUATION:**

- i. The Quantities set out in the Bill of Quantities of the tender shall be treated as estimated quantities of the work and shall never be deemed as actual or correct quantities of the works to be executed by the contractor in fulfillment of his obligation under the contract.
- ii. The Engineer shall have the power to order the Contractor in writing to make any variation of the Quantity, quantity or form of the works or any part thereof that may, in his opinion, be necessary and the Contractor upon receipt of such an order shall act as follows;

- a. Increase or decrease the quantity of any work included in the Contract.
  - b. Omit any work included in the contract.
  - c. Change the routes, position and dimensions of any part of the work.
  - d. Execute extra and additional work of any kind necessary for completion of the works.
- iii. No such variation shall in any way vitiate or invalidate the contract or be treated as revocation of the contract, but the value (if any) of all such variations evaluated in accordance with the Engineer's sole decision shall be taken into account and the contract price shall be varied accordingly.
- iv. Provided variation in the quantity of any work will be permitted which is necessary to complete the works where such increase is not the result of any variation order given under this clause but is the result of the quantities exceeding those stated in the bill of quantities. Provided the variation shall be complied with by the Contractor and the Engineer's subsequent written confirmation of such variation shall be deemed to be an order in writing within the meaning of this clause.
- v. No price escalation is allowed. The rate(s) quoted against the work shall remain firm during the entire contract period. Any change in Forex/rate shall not be considered for price variation.
- vi. The purpose of this document is to define the minimum requirements for the supply, design & engineering, manufacturing, installation, inspection, Commissioning and documentation of all the items and other activities as per BOQ (Bill of Quantities) attached with tender document, for the Job /construction contractor in performing the work of **"PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA"**.
- vii. The Contractor shall note that all the activities that are required to be performed for completion and successful commissioning of the project needs to be considered in his scope of work. Any missing activities/ supplies in BOQ or in any other project issued documents, but essential for the completion and success full implementation of the project shall be the sole responsibility of the contractor at his cost.
- viii. a. The Contractor shall not be entitled to any claim of extra or additional work unless they have been carried out under the written orders of the Engineer.
- b. The Engineer shall solely determine the amount (if any) to be added to or deducted from the sum named in the tender in respect of any extra work done or work omitted by his order.
- c. All extra, additional or substituted work done or work omitted by order of the Engineer shall be valued on the basis of the rates and prices set out in the contract, if in the opinion of the Engineer, the same shall be applicable. If the contract does not contain any rates or prices directly applicable to the extra additional or substituted work, then the Engineer may decide the suitable rates on the basis of Schedule of Rates, if any thereon. In all other cases the

Engineer shall solely determine suitable rates in the manner deemed by him as fair and reasonable, and his decision shall be final, binding and conclusive.

### **3.29 PAYMENTS:**

#### **A. Payment of PART-I**

Running bills will be paid for at quoted rates for the items in schedule, after acceptance of Performance security on Part I, which shall be valid for whole contract period including Guarantee period. Running Account Bill claim shall be submitted separately and corresponding GST for the value shall be shown in the Bill Claim. Following are the stages of Payment;

- i. 70% (Seventy percent) on supply Item against receipt of material at site in good condition and after inspection of the same.
- ii. 20% (Twenty Percent) of supplied item rate after completion of Installation, Testing and commissioning etc. and 90% (Ninety Percent) of payment against items covering only Installation, Testing and commissioning.
- iii. Balance 10% (Ten percent) will be paid on successful completion of the work and issue of Taking Over Certificate in respect of the subject works and acceptance of Performance Security Deposit.
- iv. For BOQ items having "Supply and laying/installation/fixing/running/testing/commissioning etc.....", 70% of quoted rate will be considered for supply of items and balance 30% will be considered for laying/installation/fixing/running/testing/commissioning etc. and payment terms at a, b & c above will be applied accordingly.
- v. The performance security deposit will be refunded after the expiry of one year guarantee period without interest less deduction of any sum that may be due from the Tenderer after completion of the work.

**Payment along with applicable GST will be released within 15 days subject to recoveries if any, from the date of submission of Tax Invoice after satisfactory completion of work in all respect.**

#### **B. Payment of PART-II & III**

Payment will be made on monthly basis on the quoted value of CAMC and Manpower charges in the respective year. The Contractor shall submit system generated working status report on Monthly basis along with the bills for payment.

- i. 100% of payment along with applicable ESI, PF, GST will be released within 15 days from the date of submission of monthly bill/Tax Invoice along with a copy of maintenance schedule and attendance register of the contract staffs. Also the contractor has to submit the receipt of ESI and EPF contribution paid to their staff and extract of wage payment Register for the month for which the contractor submits the bill, as documentary evidence.
- ii. **Provident Fund & ESI:** The contractor has to remit the PF & ESI contribution regularly to the concerned department for the staff engaged by him. The EPF and ESI contribution on the part of the employer in respect of this contract shall be paid by the contractor.



- iii. In case the Notice for non compliance is received from the appropriate agencies (i.e. PF & ESI), the amount due will be deducted from the bills and other monies available with the Port.
- iv. The payment for the deployed personnel should not be less than the prescribed minimum wages and variation as and when issued by the concerned Authorities of Central Govt. during the contract period. Any financial implications due to increase in minimum wages shall be met by the Contractor himself during the contract period. If there is any non compliance to adhere the minimum wages, necessary action will be taken to cancel the contract. The deployed personnel have to attend the duty. In case any personnel is on leave or absent from duty, suitable substitute should be provided by the Contractor, failing which deductions will be made from contractor's bill as applicable.

### **3.30 COMPENSATION EVENTS:**

The following mutually agreed Compensation Events unless they are caused by the Contractor would be applicable;

- a. The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
- b. The Employer modifies the schedule of other contractors in a way which affects the work of the contractor under the contract.
- c. The Engineer or his nominee orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
- d. The Engineer or his nominee instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
- e. The Engineer or his nominee gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
- f. Other contractors, public authorities, utilities or the Employer does not work within the dates and other constraints stated in the Contract that cause delay or extra cost to the Contractor.
- g. Other Compensation Events listed in the Contract Data or mentioned in the contract.

Whenever any compensation event occurs, the Contractor will notify the employer, within 14 days in writing. If a compensation event would prevent the work being completed before the Intended Completion Date, the Intended Completion Date shall be extended. The Engineer or his nominee shall decide whether and by how much the Intended Completion Date shall be extended.

### **3.31 LIQUIDATED DAMAGES:**

- i. In case of delay in completion of the contract, liquidated damages (L.D) may be levied at the rate of 0.5% of the contract price plus applicable GST per

week of delay or part thereof subject to a maximum of 10 per cent of the contract price.

- ii. The Employer, if satisfied, that the works can be completed by the contractor within a reasonable time after the specified time for completion, may allow further extension of time at its discretion with or without the levy of L.D. In the event of extension granted being with L.D, the Employer will be entitled without prejudice to any other right or remedy available in that behalf, to recover from the Contractor as agreed damages equivalent to 0.5% of the contract value plus applicable GST for each week or part thereof subject to the ceiling defined in Clause **3.31(i)**.
- iii. The Employer, if not satisfied that the works can be completed by the contractor, and in the event of failure on the part of the contractor to complete work within further extension of time allowed as aforesaid, shall be entitled, without prejudice to any other right, or remedy available in that behalf, to rescind the contract.
- iv. The Employer, if not satisfied with the progress of the contract and in the event of failure of the contractor to recoup the delays in the mutually agreed time frame, shall be entitled to terminate the contract.
- v. In the event of such termination of the contract as described in clauses **3.31(iii) or 3.31(iv)** or both the Employer shall be entitled to recover L.D. up to ten per cent (10%) of the contract value and forfeit the security deposit made by the Contractor besides getting the work completed by other means at the risk and cost of the Contractor.
- vi. Contractor hereby agree after due assessment of damages that there will be definite loss to the Employer in case of delay in completion of work and the amount of Liquidated damages fixed above is genuine and reasonable to be recovered. Contractor hereby further agrees that Employer is not required to prove the loss suffered to him before recovery of LD.

### **3.32 OBLIGATIONS OF THE CONTRACTOR:**

- i. The Contractor shall exercise all reasonable care and diligence in the discharge of all technical, professional and contractual duties to be performed by them under this Contract within the Time for Completion. The Contractor shall be fully responsible to the NMPA for proper, efficient and effective discharge of their duties.
- ii. The Contractor shall when called upon so to do enter into and execute a Contract agreement as per clause **2.19** of this tender document.
- iii. The successful Tenderer shall furnish Performance Guarantee towards the performance of the work as per clause **2.20** of this tender document.
- iv. If the Board shall consider itself entitled to any claim under the performance Guarantee it shall forth with so inform the Contractor specifying the default of the Contractor upon which he relies. If the Contractor fails to remedy such

default within 20 days after the receipt of such notice the Board shall be entitled to forfeit to the extent of the loss or damage incurred by reason of the default.

- v. The Contractor shall proceed with the Works in accordance with the decisions, instructions and orders given by the Engineer in accordance with the condition of the Contract.

### **3.33 EXECUTION:**

The Contractor shall execute and do the works set forth as described in the scope of the work and specifications, including any amendments.

### **3.34 EXTRAS:**

Any extra expenses incurred in connection to the Works by the NMPA in the performance of the Works owing to the neglect or omission on the part of the Contractor in any of the case mentioned in this Contract shall be deducted from any sum due or which may thereafter become due to the Contractor or from any amount lying with them or under their control or he may be called upon to pay the amount of such extra expense to such person or persons as the NMPA may appoint to receive the same and in the event of the Contractor failing to make such payment, the said amount shall be recoverable from him in such manner as the NMPA may determine.

**3.35 EXISTING SERVICES:** The Contractor shall not store any materials or otherwise occupy any part of the site in a manner likely to hinder the Port operation. Any damage/loss caused by the contractor to the Port property, same shall be rectified at his own cost without any delay with the satisfaction of the Engineer.

### **3.36 COMPLETION PERIOD:**

- i) The system shall be commissioned in all respect within 4 months from the date of issue of Letter of Acceptance. After successful commissioning of the system, deployment of manpower will be for 5 years. The CMC for the entire system shall be for 5 years including guarantee period of one year.
- ii) The Part-I work (SITC) shall be completed within **four (04)** month from date of issue of letter of acceptance. The Contractor shall commence the works as soon as possible.
- iii) On expiry of contract, all the items which have been installed at NMPA by the contractor shall be handed over to NMPA. The contractor does not have any right to take back the system, since the installed items shall be the property of Port once the contract is expired.
- iv) Transition Management: After the completion of successful execution of project, the contractor shall extend full cooperation to give training to the Port Officials.

### **3.37 INSPECTION & TESTS:**

- i. The Employer or his representative shall have right to inspect the work being carried out under this Contract and to test the system to confirm conformity with the specifications. The employer shall notify the Contractor in writing of the identity of a representatives retained for these purposes.
- ii. The tests may be conducted on the premises of the Contractor or its subcontractor (s) at point of delivery and at the final destination. Where conducted on the premises of the Contractor or its subcontractor (s), all reasonable facilities and assistance shall be furnished to the inspector at no discharge to the Employer.

- iii. Should any tested systems fail to conform to the specification, the Employer may reject them, and the Contractor shall make suitable alterations with prior approval of Employer to meet the requirements of the specifications, without any effect on cost of delivery times / project schedules.
- iv. The Employer's right to inspect, test and where necessary, reject the system shall be in no way limited or waived by reason of the systems having previously been tested and passed by the Employer or its representatives prior to dispatch of the system.
- v. The Contractor shall submit the Quality Assurance plan (QAP), Technical drawings for prior approval before commencement of Inspection / Test at manufacturer's work / Site to the Inspection Agencies / Engineers representatives.

### **3.38 FINAL ACCEPTANCE:**

Upon completion of the work under the Contract a meeting shall be held for the purpose of accepting the system and services. Such meeting shall constitute the Final Acceptance Test under the Contract. In case defects or shortcomings or both which are considered essential, a new meeting shall be convened when the contractor has given notice of completion of the corrective work carried out. Otherwise NMPA may accept the system if the defects or shortcomings or both are not considered essential and the Contractor has agreed to carry out the modifications in conformity with this Contract.

### **3.39 REJECTION OF DEFECTIVE WORK:**

- i. If the complete system at site or any portion thereof before being taken over, is defective, or fail to fulfill the requirements of the Contract, the Engineer shall give notice to the Contractor setting forth particulars of such defects and the Contractor shall forthwith make the defective supply/Installation good or alter the same to make it comply with the requirements of the Contract.
- ii. If Contractor fails to do so within a reasonable time, NMPA may reject and replace the same at the cost of Contractor, the whole, or any portion of the work, as the case may be, which is defective or fails to fulfill the requirements of the Contract. The Contractor's fails and extreme liability under this clause shall be satisfied by the payment to NMPA, the extra cost, if any, of such replacement delivered and erected. Such extra cost being ascertained shall be deducted from the Contractor's bill.
- iii. If any supply of defective items shall have caused delay in the completion of the Contract so as to give rise to a claim for damage on the part of the NMPA under Clause **3.26** of Tender Document nothing contained in this clause shall interfere with or prejudice any rights of the Board of Directors with respect to such claim.

### **3.40 TAKING OVER CERTIFICATE:**

When the whole of the works have been substantially completed and have satisfactorily passed any tests on completion prescribed by the contract, the contractor may give a notice to that effect to the engineer, with a copy to the

employer, accompanied by a written undertaking to finish with due expedition any outstanding work during the defects liability period. Such notice and undertaking shall be deemed to be a request by the contractor for the engineer to issue a taking over certificate in respect of the works. The Engineer shall, within 21 days of the date of delivery of such notice, either issue to the contractor, with a copy to the employer, a taking over certificate, stating the date on which, in his opinion, the works were substantially completed in accordance with the contract, or give instruction in writing to the contractor specifying all the work which in the engineer opinion, is required to be done by the contractor before the issue of such certificate. The Engineer shall also notify the contractor of the any defects in the works affecting substantial completion that may appear after such instructions and before completion of the works specified there in. The contractor shall be entitled to receive such taking over certificate within 21 days of completion, to the satisfaction of the engineer, of the works so specified and remedying any defects so noticed.

### **3.41 DEFECT LIABILITY PERIOD AFTER TAKING OVER:**

- i. In this condition the expression '**Defect liability period**' shall mean a period of **12 months** calculated from the date of Taking Over in accordance with clause **3.40** of Tender Document for **all works**.
- ii. The Contractor shall be responsible for making good with all possible speed at his expense any defect in or damage to any portion of the Works which may appear or occur during the defect liability period without extra cost to NMPA and which arises either;
  - a. From any defective materials, workmanship or Design or
  - b. From any act or omission of the Contractor done or omitted during the said period.
- iii. If any such defects shall appear or damage occur the Engineer shall forthwith inform the Contractor thereof stating in writing the nature of defect or damage. The provision of this clause shall apply to all replacements or renewals carried out by the Contractor to remedy defects and damage as if the said replacements and renewals had been taken over on the date they were completed to the satisfaction of Engineer but not so as to extend the Defects Liability Period in respect thereof beyond three years from the date of taking over decided by the Engineer as the respective case of remedying may warrant.
- iv. If any such defect or damages were not remedied within a reasonable time, NMPA may proceed to do the work at the Contractor's risk and expense provided that he does so in a reasonable manner.

### **3.42 INCOME TAX DEDUCTION:**

Income Tax as at such rates applicable from time to time will be deducted at source from all running bills and Final Bill and a certificate to this effect will be issued. The

deduction of Income Tax can, however, be waived if exemption certificate is produced from Income Tax Authorities. Deduction of income tax at reduced rate can be considered subject to production of valid certificate for the period from Income tax authorities.

The GST applicable shall be shown as a separate line item in the tax invoices, and shall be paid extra. Contractor should provide proper tax invoice as per GST act.

The Tenderer / Contractor shall file the applicable returns with tax departments in time and submit the same as documentary proof.

Contractor shall submit all the GST returns with in time specified. Any ITC lost by NMPA due to non filling of return will be recovered from the contractor.

**3.43** The payment will be made through E-Payment. The Tenderers are required to furnish Bank details for making E-Payment as per the schedule- III of this Tender document.

**3.44 MAINTENANCE OF RECORDS/REGISTERS, INSTRUCTION BOOK:**

The Instruction Book is to be kept by the Contractor at the site. Any order or instructions issued by the EIC or his authorized representative shall be entered in the book. The Contractor shall sign each entry in token of having seen the same. This shall be returned to the EIC in good condition after the completion of the Contract period. The contractor shall deploy the manning as per the instruction of EIC or his representative time to time after confirming the same to be displayed on the work places for reference. Instruction Book is to be kept by the Contractor at the site. Any order or instructions issued by the EIC or his authorized representative shall be entered in the book. The contractor shall sign each entry in token of having seen the same. The instructions regarding Operation and Maintenance work to be attended in shortest possible time and compliance date to be mentioned in the instructions Book against each item after compliance of the instructions. This shall be returned to the EIC in good condition after the completion of the Contract period.

**3.45 NO INTEREST ON ACCOUNT OF DELAYED PAYMENTS:** Any claim for interest will not be entertained by the NMPA with respect to any payment or balance which may be in their hands owing to any disputes between themselves and the Contractor or with respect to any delay on the part of the NMPA in making payment.

**3.46 GUARANTEE PERIOD:**

- i. The items to be supplied under this Contract shall be guaranteed for a period of **12 (twelve)** months for **all works** towards satisfactory performance. The Contractor shall be responsible for any defects that may develop under proper use arising from faulty materials, Designs, workmanship in the work but not otherwise and shall at his own cost remedy such defects when called upon to do so by the Engineer who shall state in writing in what respect any portion is faulty.

- ii. If it becomes necessary for the Contractor to replace or renew any defective portions of the supply of the items under this clause, the provisions of this clause shall apply to the portions of the supply so replaced or renewed until the expiry of 12 months from the date of such replacement or renewal of the above mentioned **period of 12 months**, whichever may be later. If any defects are not remedied within a reasonable time, the Port may proceed to do the work at the Contractors' risk and expenses but without prejudice to any other rights, which the Port may have against the Contractor in respect of such defects.

### **3.47 EXTENSION OF COMPLETION PERIOD:**

If the quantum of total work increases due to additional work against the BOQ for the subject works **“PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA ”** suitable extension of completion period shall be taken during the approval of additional work from the Competent Authority.

### **3.48 DEFAULT OF THE CONTRACTOR & TERMINATION:**

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 NMPA 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 NMPA proper facilities for inspection of the Works of any part thereof for three days after receiving notice in writing by the NMPA 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 Upon his assigning this contract or
- h. Upon an execution being levied upon the Contractor's good or
- i. 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
- j. 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
- k. 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 NMPA.

### **3.49 TERMINATION OF THE CONTRACT**

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 NMPA (who shall be the sole judge and whose decision shall be final, it shall also be open to NMPA to terminate this contract by giving not less than 30 (thirty) days notice in writing to that effect and if the contractor, does not make good his default within the notice period, NMPA shall be entitled to terminate the contract as a whole or in part.

- i. In the event of such termination of the contract, NMPA shall be entitled to:
  1. forfeit the Performance Security as it may consider fit;
  2. get the balance/remaining work done by making alternative arrangements as deemed necessary and until such time NMPA is able to appoint a new regular Contractor; and recover from the contractor (appointed under this tender) any extra expenditure incurred by NMPA in getting the work done and damages which NMPA may sustain as a consequence of such action.
- ii. If the extra expenditure incurred by NMPA on account of unsatisfactory performance of the contractor as mentioned in paragraphs above is more than the Security Deposit proposed to be forfeited, the expenditure over and in excess of the Security Deposit 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 NMPA under this or any other contract or otherwise. The contractor shall have no claim whatsoever against NMPA, in consequence on such recoveries or termination of the contract, as stated above.
- iii. 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, NMPA will have the absolute option of terminating the contract forthwith and he shall have no right for damages or compensations on this account. Further, NMPA reserves the right to terminate/pre-close the contract at its convenience, without assigning reasons to the contractor by giving a notice period of 30 days. The contractor shall not have right of any claim on NMPA on account of such termination.

### **3.50 DEBARRING OF BUSINESS DEALINGS:**

In the event of termination of contract in terms of provisions of clause 3.48 above, NMPA shall also be entitled to debar the Contractor for participation in future tenders of NMPA for a period of three (03) years.

Further, in case if it comes to the notice of NMPA that the Bidder/Contractor has used forged documents or misrepresented the facts in any manner either to get the contract or during the pendency of the contract, in such cases NMPA at its sole discretion may disqualify the bid / terminate the contract and debar such Bidder/Contractor for participation in future tenders of NMPA for a period of three (03) years.

### **3.51 NMPA's LIEN:**



The NMPA shall have a lien on and over all or any money that may become due and payable to the Contractor under this Contract or any other Contract or from any amount lying with them or under their control and in respect of any debt or sum that may become due and payable by the NMPA to the Contractor either alone or jointly with another or other and either under this Contract or under any other Contracts or transaction of any nature whatsoever the NMPA and the Contractor.

### **3.52 FORCE MAJEURE:**

#### **i. For Supply, Installation Testing & Commissioning:**

If the Supply, installation, Testing & Commissioning of devices/materials is hindered due to force majeure such as, war, riots, civil commotion, fire, epidemics, natural calamities, such period shall be exempted from **Liquidated Damages** as mentioned in clause **3.31** of this tender document.

#### **ii. For CAMC:**

If the devices/materials is damaged during CAMC due to force majeure such as, war, riots, civil commotion, fire, epidemics, natural calamities, such period shall be exempted from imposition of penalty for non - adherence of SLA as mentioned in clause **4.26 & 4.27** of the tender document.

### **3.53 LABOUR LAWS:**

The Contractor shall comply with all the provisions of the **Labour Laws and the rules and regulations** made there under as amended from time to time and as applicable from time to time with regard to the employees to be deployed by the Contractor for Electrification, Testing, Commissioning and Maintenance of the system.

### **3.54 ACTS & STATUTORY RULES:**

The contractor shall comply with all the Central State and Municipal laws and rules and shall be solely responsible for complying with the provisions of the contract labour (regulations and abolition) Act 1970 and rules there under and the other enactments that may be applicable including ESI Act, the payment of wages Act, Provident Fund Act, the minimum wages Act, the factories Act, the workmen compensation act or any other applicable legislation and the Municipal by laws or other statutory rules and regulations whatsoever in force in so far as these are applicable. Any obligations finding or otherwise missed under any statutory enactments, rules and regulations there under shall be the responsibility of the contractor and the NMPA will take no responsibility for the same.

- i) The Tenderer must possess documents certifying registration under Employees State Insurance Act, EPF & MP Act and GST.
- ii) If the Tenderer is not registered under ESI Act and EPF & MP Act for the reasons that he has not employed 10 or more workers as required under said laws, he shall submit an affidavit in this regard that he has never employed 10 or more workers on any given day preceding 12 months from the inception of its operations.
- iii) The Tenderer to whom ESI Act and EPF & MP Act does not apply, shall mandatorily cover his workers deployed at NMPA site/premises under Employees Compensation Act Policy declaring proper wages.

- iv) The Tenderer shall submit “Indemnity Bond” as per **Annexure - 12** for undertaking to indemnify NMPA both loss/legal expenses incurred in case of any claims filed against NMPA by EPFO/ESIC authorities with regard to the workers of the bidder/contractor.

### **3.55 SAFETY GEARS:**

The Contractor shall at his own expenses provide all safety gears for all labours engaged during the work and failing to do so, the NMPA shall provide the same and recover the cost there of from any amount due or which may become due to the Contractor or from any amount lying with them or under their control.

### **3.56 INDEMNIFICATION:**

The Contractor shall agree and undertake (ANNEXURE-11) to indemnify, keep indemnifies, depended and hold harmless the NMPA and its Officers against all losses, penalties, costs and expenses, duties of any kind whatsoever which may arise on account of breach un-authorized act, fraud deed or any other acts of Contractor or any of its personnel. The Contractor shall also agree and undertake to indemnify and keep indemnifies against any order passed by any executive, quasi judicial or judicial authority wherein the NMPA is compelled to obey the order which arise due to breach of contract by the Contractor.

The Contractor shall indemnify, protect and defend at its own cost, New Mangalore Port Authority and its agents & employees from & against any/all actions, claims, losses or damages arising out of;

- i. Any violation by the Contractor in course of its execution of the contract of any legal provisions or any right of third parties.
- ii. Contractor’s failure to exercise the skill and care required for satisfactory execution of the contract.
- iii. The Contractor shall indemnify NMPA against all claims for compensation by or on behalf of any workman employed by him in connection with the contract, for injury or death by accident under the Workman Compensation Act (Act VIII of 1923) as amended from time to time.
- iv. The Contractor shall be responsible for all commissions and omissions on part of manpower engaged for the purpose. NMPA shall not be responsible in any manner whatsoever, in matters of injury/death/health etc. of the Contractor’s employees performing duties under the contract.
- v. Undertake to indemnify NMPA both loss/legal expenses incurred in case of any claims filed against NMPA by EPFO/ESIC authorities with regard to the workers of the bidder/contractor.
- vi. Shall mandatorily cover workers with Employees Compensation Act Policy if ESI Act and EPF & MP Act do not apply.

#### 4. SPECIAL CONDITIONS OF CONTRACT

- 4.1 The rates quoted shall be Firm and inclusive of all cost & Duties and exclusive of applicable GST. The Employer shall not provide any concessional "C" or "D" Form.
- 4.2 The Contractor should have **GST & PAN** and the same should be uploaded along with the tender. GST will be paid on production of documentary evidences.
- 4.3 The Contractor shall carryout the work as a complete job i.e. Supply materials, their storage, keeping under safe custody, transporting to work site, fixing, testing and commissioning of the whole work. The Tenderers should satisfy themselves about the quantities indicated in the Schedule and it is the responsibility of the supplier to supply and make the system operational to the satisfaction of Engineer.
- 4.4 The supply items should have Test Certificates/warranty certificates and the same shall be submitted along with supply of materials.
- 4.5 Delay in making the execution site available to the Contractor will not form a cause for any claims. The Port Authority will inform the Contractor of such possible delay in advance and a suitable extension of time for completion shall be considered.
- 4.6 The Successful Contractor shall take approval from the Engineer in charge for technical datasheets, drawings etc. before procurement of material / fabrication of materials etc. and should supply all materials/equipments as per relevant standard & Tender specifications and carryout the complete work including Testing and commissioning as per applicable act.
- 4.7 Any part or whole of the system, which requires the approval of the statutory body, if any, should be arranged by the Contractor at his cost. It is the responsibility of the Contractor to submit the system drawings with all details to the statutory body and obtain their approval, if any.
- 4.8 All related Civil works shall be responsibility of the Contractor. The Contractor should take timely action to complete all civil works in all respects.
- 4.9 Power supply, if available, will be given to the Contractor **on free of cost**. Wherever such source is not available, the contractor has to make his own arrangements. Tapping of power from the source point of NMPA to the required location will have to be arranged by the Contractor at his cost conforming to IE Rules / Standards.
- 4.10 The Contractor has to make his own arrangement for engaging all tools & tackles, testing equipments etc.
- 4.11 The Equipment shall be insured in the name of Employer for 110% of Ex-works cost from the place of dispatch to the place of destination & till handing over / taking over of the Equipment to the satisfaction of the Employer.
- 4.12 The Contractor has to make his own arrangements for construction of temporary stores; office work sheds etc., for their requirements at his own cost. Land for such

temporary work sheds, stores, site office etc., till the work is completed will be given free of rent at spot approved by NMPA. The sheds shall be constructed with non-inflammable materials like G.I. sheets etc., and shall be removed in reasonable time after the work is completed. In case the Contractor fails to remove the same, the Department will remove the same and the cost of such removal will be recovered from any amount due from the Contractor.

- 4.13 **Site Register** is to be maintained by the Site Engineer (AE/AEE/EE) at site on daily basis with details of works carried out on that particular day, defects noticed by the Site Engineer (AE/AEE/EE) and instructions given to the Contractor etc. Any orders or instructions issued by the Engineer-in-Charge or Higher Authorities shall be entered in the book and shall be deemed to have been legally issued.
- 4.14 **Hindrance Register** is to be maintained by the Site Engineer (AE/AEE/EE) at site & should contain all the Hindrances to the work due to the reasons attributed either to the Contractor or Port date wise and date of resumption of work. The Contractor and Engineer in charge should sign each entry in token of having seen the same.
- 4.15 The Contractor is responsible for taking precautionary measures for the safety of the lives of the workmen working under him and the responsibility arising due to any mishap during the execution of work, the payment of any compensation etc., lies entirely on the part of the Contractor. Safety nets, life jackets, Helmets required while working in site and Danger Boards, barricades are to be provided by the Contractor without any extra cost to the Port Authority.
- 4.16 The Contractor should ensure, that all necessary arrangements for the safety of others and also his men and materials while performing the work, are well maintained at his cost, risk and responsibility. He should ensure proper watch of the signals by providing barricades, lights, vigils, precautionary measures etc., to ensure safety at his work.
- 4.17 The Port working hour is from 8.00 A.M. to 1.00 noon and from 2.00 P.M. to 5.00 P.M. If any work is carried out by the Contractor requiring supervision beyond Port working hours, the Contractor shall apply in writing well in advance of such work to the Engineer to arrange for such supervision.
- 4.18 All rules and regulations governing the New Mangalore Port Authority shall be applicable.
- 4.19 The site for the work will be handed over to the Contractor in phases for the execution as soon as the work order is given. In case the entire site is not handed over to the Contractor, he should programme his work in such a way so as not to hamper the progress in any way and a suitable extension of time shall be considered.
- 4.20 Any damages caused to the Port property either directly or indirectly shall be made good by the Contractor at his own cost.

4.21 The Tenderer(s) shall be required to quote his / their rates in figures as well as in words without any correction(s). If there is any correction(s) in the tender, such corrections should be attested by the Tenderer(s) before submission of the tender. However the rates shall be quoted in words and figures, in case of dispute, rates in words shall be taken as final.

4.22 Port entry passes to the Contractor and his workmen and vehicle during the period of work will be issued on a **chargeable basis to carry out the work as per rules.**

4.23 **Completion Drawing & Documentation:**

On the basis of drawings issued and additional drawings generated during the course of execution of works & documentation required for various components and sub-components, the Contractor should prepare completion documents generally as below but not limited to;

- a. Supply items - The contractor shall furnish one set of original manuals, leaflets etc. All drawings and documents are to be neatly filed in a heavy duty binder and indexed.
- b. Copy of all the Test reports and Guarantee/Warranty certificates are to be presented separately in a folder for records and reference.

4.24 The successful Bidder / Contractor shall furnish an undertaking on their Firm's letterhead for the following before executing the Contract agreement;

- a. We will ensure that our workforce will be provided with and use all necessary safety gears and equipments required for the job.
- b. We will follow all the required safety procedures while executing the job.
- c. We indemnify the Port for any accidents / incidents while carrying out the Contract.

4.25 The Department's Standard Operating Procedure (SOP) will be shared with the successful Bidder / Contractor at the time of signing of agreement. The successful Bidder / Contractor have to give an undertaking for complying with the same. In case if the successful Bidder / Contractor does have a defined SOP for carrying out the tendered work, the same shall be submitted to the Executive Engineer (E) for scrutiny and approval for its applicability before commencement of the work.

4.26 **SERVICE LEVEL AGREEMENT:**

The implemented system performance will be governed by the Service Level Agreement (SLA) format as given below. New Mangalore Port will use the following performance indicators to monitor and evaluate the performance of the System.

Sl. No.	Key Performance Indicators (KPI)	Minimum Guaranteed Performance
1	System Availability	100% at all times

2	Vehicle surveillance system failure	Not more than 4 Hours
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#### 4.27 PENALTY:

##### A. System Downtime Penalty

The penalty for the downtime of system will be imposed as per the following structure;

Duration of downtime	Penalty
Upto 4 Hrs	No Penalty
4 Hrs to 24 Hrs	Rs. 500/-
24 Hrs to 48 Hrs	Rs. 1000/-
Beyond 48 Hrs	Rs. 1500/- per day on Pro-rata basis.

#### 4.28 USER ACCEPTANCE TEST:

The contractor shall obtain user acceptance test signoff from the Chief Mechanical Engineer with a detailed end to end test cases, test plan & test reports before go live.

#### 4.29 ADDITION / ALTERATION:

The Contractor shall not be entitled to any claim of extra or additional work unless they have been carried out under the written orders of the Engineer in charge.

#### 4.30 TERMINATION OF (CMC) CONTRACT:

In the event of repeated instance of unsatisfactory performance of the systems or frequent breakdowns or contractor failure to comply with terms and provisions of this contract to the satisfaction of NMPA, contract liable to be terminated with one month Notice. Forfeit the security deposit as it may consider for and recover from the contractor any extra expenditure incurred by NMPA in getting the work done and damages which NMPA may sustain as consequence of such action. The contractor shall have no claim whatsoever against NMPA, in consequence on such recoveries or termination of the contract.

Due to any change in the Port Security scenario or due to any new Govt. policy in place or due to any other reason whatsoever, if NMPA decided to discontinue this vehicle surveillance system, NMPA reserve right to terminate the contract with three (03) months Notice.

#### **4.31 DEPLOYMENT OF STAFF:**

In case any personnel is on leave or absent from duty or reported misbehavior with Engineer-in-charge/Port Officers or due to incompetency of the deputed staff in the specified area of work, suitable substitute should be provided by the Contractor, failing which deductions will be made from contractor's bill as as given below;

In addition to Non payment of per day wages paid to the staff, **Rs 500/- per day as penalty will be recovered** from the bill of contractor till posting of substitute staff by the contractor. Total number of days will be calculated & the amount will be recovered from running bill for failure of providing substitute staff.

#### **4.32 Others:**

- 1) Accommodation for the deployed staff shall be arranged by the Contractor at his own cost; however the Port quarters may be allotted on chargeable basis if available as per applicable rules of NMPA.
- 2) At the end of the period of contract, all the equipment under this tender shall be handed over to the Port on as is where basis is in good working condition.
- 3) The hardware, software and all related licenses thereto shall be under the ownership of the Port. The bidder shall obtain/issue licenses or such other certification/documentation required for the purpose in the name of the NEW MANGALORE PORT AUTHORITY.
- 4) The successful Bidder shall be responsible for insurance of all the manpower & hardware/network supplied and installed by vendor for risk coverage including accidental hazards, death & disability of person, material breakage due to negligence, theft, storm, fire or any other hazards which may occur due to trespassing of vehicles & /or natural adverse climatic conditions and calamities - War, Fire, Cyclone, salinity problems at shore etc.

## **5. Scope of Work and Technical Specifications**

### **5.1 GENERAL:**

The work involves SITC of new Vehicle surveillance system including comprehensive maintenance contract and deployment of manpower for operation and maintenance of entire surveillance system on Turnkey basis.

The entire work shall be carried out as directed by Engineer-in-Charge/Representative of Electrical Division, Mechanical Engineering Department.

### **5.2 SCOPE OF WORK:**

- i. Firm has to deliver all the material as per the BOQ and transport to the site as per the requirement and plan execution duly discussing with Engineer-in-Charge prior to commencement of installation work. Gate passes shall be provided by NMPA.
- ii. During installation cable planning and network planning details are to be thoroughly followed and any changes are to be brought to the notice of Engineer-in-Charge.
- iii. All towers are to be erected as per the site location provided and towers base foundation to be designed to sustain wind speed of minimum 200 KMPH.
- iv. All cameras are to be fitted as per the site requirement as per Engineer i/c requirement to ensure coverage to extent possible with clear LOS (line of sight).
- v. Integration of cameras, Media converter, Switches, SERVER, work stations, display, UVSS, ANPRS etc.
- vi. All power, signal cables are to be properly passed through heavy duty PVC pipe or duct, wherever applicable.
- vii. Proper dedicated earthing and Lightning arrester to safeguard cameras, wireless Txr & other devices as per the industrial standard to be provided.
- viii. All enclosures, UPS enclosures are to be fitted with necessary base foundation given in the tender document to secure UPS, Batteries, Switches, Converters etc to protect from Rain. Dirt and dust.
- ix. Fiber laying as per the route/trenching plan given as per the site conditions by Engineer-in-Charge.
- x. All material shall be secured by the firm during execution however NMPA may assist in securing material.
- xi. Transport of material and labour will be in Contractors scope, including all cold and hot metal works.
- xii. Commissioning means integrating all components/sub-systems to work as a complete surveillance system.
- xiii. Training to CISF personnel for a period of one week (daily 02 batches) covering operational and salient features etc.



- xiv. To ensure that that the access to the NMPA vehicle surveillance system will be limited only to the authorized users permitted by NMPA from time to time.
- xv. The surveillance system shall not be accessible through internet for any remote assistance /Control/Operation.
- xvi. To provide training to the designated officials of the port with respect to operation & maintenance of the entire surveillance system. Trainings shall be imparted to the designated officials every half yearly or as requested by NMPA from time to time.
- xvii. After successful commissioning of the Vehicle surveillance system if there is any updation/upgradation in software or hardware which is necessary for efficient functioning of the system, same shall be done at the cost of contractor. However, approval of Engineer-in-Charge has to be obtained before initiating any new updation/upgradation in software or hardware of the surveillance system. The purpose for such updation/upgradation should be clearly documented and the same has to be submitted to the Engineer-in-Charge for approval.
- xviii. **Entire vehicle surveillance system as a whole has to be cyber security audited by the CERT-IN empanelled agency before commissioning of the system. The cost of such audit shall be borne by the contractor including coordination with the agencies to get the system audited within time before commissioning of the system as applicable, shall be complied. Otherwise for the independent server, if cyber security is not applicable, same will be waived off based on production of documentary evidences/as per the rules and regulations.**

### 5.3 SCOPE OF CMC (04 YEARS after one year guarantee period):

**Objective:** To ensure availability **100%** of system for Port-Security operations complying ISPS norms.

1. Comprehensive means including repairs/replacement of all the system component of vehicle surveillance system duly replacing defective components, electronic PCBs, Cameras, power supply, Interface units, display units, network switches, media converters, wireless devices, Surge protectors, lightning arrestors, & other accessories like cable, connectors, antennas & accessories and any other part of the system for its effective functioning.
2. Servers, work stations, Desktop PCs, Printer, Displays etc of CCTV surveillance system complete.
3. Scope of service should be quick delivery of service to ensure system availability **100% all the times.**( Daily system generated report on working status to be submitted by 9AM in the prescribed format)
4. All software module installed in SERVER and other client PCS and it's up gradation, version change, modifications, software bugs etc in the CMC scope.

5. Firm's Engineer/Technician posted at NMPA site (including guarantee/warranty period) shall report to NMPA's Engineer In-Charge for regular checking, attending day to day breakdowns, preventive maintenance of entire system between Monday to Saturday (08 AM to 05 PM). Any number of breakdown visits, call attendance and action taken service reports shall be documented after verification by Engineer-in-Charge.
6. Preventive maintenance checks as per the OEM recommendations once in a month.
7. In order to avoid delay in replacement of components, accessories, sufficient spares which are very essential in nature like critical spares to be kept in stock with system integrator at all times to ensure minimum downtime.
8. Engineer/Technician shall coordinate with NMPA's Engineer-in-Charge and CISF personnel for all kinds of maintenance and ISPS activities/Inspections as necessary.
9. During AMC/Guarantee period any minor work like shifting/orientation change of camera/wireless TXRs is firms scope only. NMPA's Engineer I/C shall decide the particular work nature is minor or not and that decision shall be final and binding on the Firm.
10. The firms technician shall maintain log book with entries of down time, nature of preventive mtc attended, over all status, any special technical observations, complaint received from CISF/other end users with time. Log book shall indicate working status of individual cameras/its video streaming availability on daily basis. This log book shall be made available to the NMPA Engineer-in-charge for review as and when demanded.
11. Checking of storage/ back up and Supply of of stored data as and when necessary by CISF or any other officials authorized by chairman or in case of any incident demands.
12. To take all responsibility, precautions to preserve the integrity of the NMPA Vehicle surveillance system and prevent any corruption or loss, damage or destruction, transmission, illegal access of data and information.
13. To have adequate measures in place to ensure that the staff employed by the Contractor comply at all times with the provisions and obligations contained in the tender and as amended from time to time.

#### **5.4 SERVICE LEVEL BENCH MARK PARAMETERS:**

- 24 Hours/365 Days Emergency response.
- Replacement of spares/units/accessories, if problem not fixable.

- Adhere to Pre-planned preventative maintenance schedule as per the Engineer in-charge direction.
- Inspection of all major components (include cabling & connectors etc) for signs of deterioration or damage and rectify as necessary.
- Check all control equipment (e.g. monitors, DVRs, multiplexers units) for correct operational and programming (include time/date settings etc).
- Clean cameras lenses & housings at regular interval as directed by Engineer –in-charge.
- Check lenses for correct focusing & operation of auto-iris and adjust as correct field of view necessary.
- Check the satisfactory transmission of images to remote site (where applicable).
- Inspect brackets, housings & associated fittings for corrosion or damage and replace as and when required.
- Ensure clamping bolts/brackets are tightened correctly or replace.
- At most care in fast response in attending breakdown with quality in work and adhering all unit safety/security norms.
- Ensure confidentiality of data, information etc.
- The Contractor shall submit system generated system working status report on daily basis to the Engineer-in-charge.

#### **5.5 MANPOWER DEPLOYMENT:**

The successful bidder shall deploy following manpower;

- a. Deployment of 1 Skilled Engineer/Technicians/Supervisors at site to carryout repair/replacement of worn-out spares, maintenance and servicing of installed system for Total 5 Years.
- b. Deployment is required for the equipment and system support round the clock for the uninterrupted functioning of the system.
- c. The deployed manpower shall be ITI / Diploma / Graduates holders with 2+ years of experience in CCTV/vehicle Surveillance system shall be deployed.

## 5.6 TECHNICAL SPECIFICATIONS & COMPLIANCE:

### 1. UVSS TECHNICAL COMPLIANCE: Under Vehicle Scanning System (UVSS)

Supply & installation of Under Vehicle Scanning System, to enable inspection of any vehicle's underside through a static composite image of the vehicle, as per the details given below: -

1. The UVSS must be of Indian origin, with regards to its design, development, & manufacturing and the original equipment manufacturer (OEM).
2. The UVSS should produce multiple angular view of high-resolution 3D COLOR images of the complete under-body of any vehicle passing over it using dual Area-scan camera-based technology.
3. The UVSS should be capable of handling vehicles moving at different speeds ranging from Zero (0) to 25 Km/hr, while the morphed composite images so captured by it should be automatically and dynamically adjusted according to the speed of the vehicle using multiple induction loop-based sensors.
4. Each of the dual imaging cameras should be of high-resolution Area-scan, GigE type with XGA resolution of (1920 x 1200) or above. The minimum specification of this camera to be :-

Sl. No.	Description	Specifications	Compliance	Deviations
1.	Camera Type	Gigabit Ethernet progressive camera		
2.	Sensor	CMOS XGA resolution (1920 x 1200) or better		
3.	Field of View	> 135		
4.	Format	GiGE Vision compliant specifications		
5.	Composite Image resolution of the underside	4 megapixels		
6.	Camera certification	CE		
7.	Camera casing ingress protection rating	IP 67 or better, duly certified by NABL accredited lab		

5. The UVSS should be capable of producing a clear and undistorted image of the vehicle underside, even when a vehicle completely stops / halts over the scanning unit, i.e it must be able to produce seamless and perfect composite images of the underside irrespective of

stoppage or non-uniform motion of the vehicle over the scanner.

6. The UVSS should not use either a digital Line-Scan camera-based technology or any type of analog cameras to form composite image without any distortions or Fish-eye” effect.
7. The UVSS should produce a fully scanned pre-processed ready to use 3D footprint model of the vehicle's undercarriage.
8. The UVSS should produce videos of suspicious objects that are hard to see via single view scanning systems, including visual access to cavities and niches, areas around suspensions, below the engine areas, side wall of fuel tanks & exhaust pipes etc.
9. The UVSS must have a dynamic multi-view feature and it can be dynamically controlled by the user. **(the operator should be able to view the underside by hovering the mouse from left to right of the image)**
10. The UVSS must also provide a 3D video of the complete underside of any vehicle.
11. If found anything suspicious, the UVSS should have a feature to view 3D video from left & right image in order to minimize the threat.
12. The UVSS should have a feature to magnify (zoom) the composite image (left & right) and 3D video up to 24X in order to facilitate a closer view of any part of the composite image and 3D video.
13. The UVSS should have a feature to play any particular/specific zoom area of 3D video.
14. The UVSS should compare both (left & right) view with the help of license plate/type database of underside images.
15. The underside illumination must be adequate and obtained through a dual array of long life, LED lighting modules. Halogen or CFL based array of lighting elements for the purpose of illumination of the underside will not be accepted.
16. The UVSS should also provide a feature to capture the image of the driver of all RHS driven vehicles, captured through a suitable driver view camera.
17. The UVSS should capture the co passenger of the vehicle additional to driver image and store it in respective database for post event analysis
18. The system should have an Automated Number Plate Reading System (ANPRS) tuned to the Indian license plates, i.e. it should be able to automatically read and record a wide range of vehicle registration number plates’ alpha-numeric characters, written in English. Also, the frontal image view of the vehicle to be provided in the GUI, to facilitate manual viewing of the license plate image.

<b>The Number Plate &amp; Driver Image view cameras must have the following minimum specifications:</b>	
<b>A. Camera Specification</b>	
i. Effective Range	4 to 5 meters for Frontal camera & 0.5 to 1 meter for Driver camera
ii. Camera Resolution	25fps @ 1 megapixel or higher
iii. Camera gain and shutter	Adjustable 1/100 to 1/10000 sec
iv. Lens	10-40 mm Varifocal
v. Power Consumption	<12W
vi. Power Supply	12 V DC
vii. Operating Temperature	0°C to +50°C
<b>B. Software Specification</b>	
i. Supported OS	Linux
ii. Type of Plates	Recognition for English fonts
iii. Image Input	Still Image or Live Video Input

19. The UVSS must give output of all the data simultaneously i.e. the composite images, driver photos, vehicle's frontal image and its number display – all should be displayed on the monitor almost instantaneously after the vehicle cross the unit. Also, the system should have a facility to view the composite image, off-line also, for all vehicles.
20. The UVSS applications & operating software should be LINUX based only. preferably be based on open architecture on Linux platform. It must have a user-friendly Graphical User Interface (GUI) with provision for multiple users logging of events and search facility. The UVSS GUI should be available in multi-language.
20. The UVSS should automatically detect the make & model of the vehicle with Artificial Intelligence and compare the respective model from the standard library and highlight the differences of original make and present vehicle with Audio and Video alert.
21. The UVSS should have capability to control/integrate with third party security equipment like boom barrier/bollard/tyre killer/rfid etc.
22. UVSS will have operating mode like free flow mode, security mode and emergency mode. System should act as per the respective mode. User (Admin) can defined mode based on

weekly/daily time schedule and manual overwrite should be possible.

24. System should have artificial image based comparison. System should pick the respective model even without number plate also.
25. The UVSS system must have a facility to take back-up of all the transactions to storage media.
26. The overall UVSS must be CE Certified. A certificate issued by a competent certifying agency, must be attached with the tender.
27. The underground cameras & lighting units of the UVSS must be enclosed in a suitable all-weather-proof housing of IP 68 equivalent or higher standard. A valid certificate in this regard, after requisite testing carried out, issued by a Govt. / NABL accredited laboratory in India, to be submitted.
28. The UVSS should be equipped with proper water draining mechanism and should be drain water automatically with 1HP or better pump. The pit to be designed accordingly.
29. The UVSS Should have Cleaning mechanism for cleaning the Surface of camera with Compressed Air/ Water cleaning system, it should work automatically at desired intervals.
28. The overall installed unit should be properly designed, and its structure should be able to withstand a vehicle axle-load up to 20-Tons at any point over the structure, so as not to suffer any accidental physical damage to the unit and the components under the pit cover.
29. The UVSS must be aesthetically designed so that it must blend seamlessly with the landscape, forming a natural look with no discomfort for the driver / passengers of the vehicle being scanned.
30. The UVSS should capture the co passenger of the vehicle additional to driver image and store it in respective database for post event analysis

## 2. CAMERA COMPLIANCE:

5MP BULLET VARI-FOCAL with WDR				
SL NO	PRODUCT	DISCRIPTION	COMPLIANCE	DEVIATION IF ANY
1	Image Sensor	1/2.7" Progressive CMOS or Better		
2	Max. Resolution	2560x1920 (5MP)		
3	Lens Type	Vari-focal, Remote Focus		
4	Focal Length	f = 2.7 ~ 13.5 mm or better		
5	Aperture	F1.4 ~ F2.8		
6	Auto-iris	P-iris		
7	Shutter Time	1/5 sec. to 1/25,000 sec. or better		

8	Day/Night	Yes		
9	Removable IR-cut Filter	Yes		
10	Minimum Illumination	0.2 Lux @ F1.4 (Color) or better		
11		<0.08 lux @ F1.4 (B/W)		
12		0 Lux with IR illumination on		
13	Pan Range	350°		
14	Tilt Range	80°		
15	Rotation Range	180°		
16	Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)		
17	IR Illuminators	Built-in IR illuminators, effective up to 50 meters with IR LED*4		
18	On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot		
19		Seamless Recording		
20	Video Compression	H.265, H.264, MJPEG		
21	Maximum Frame Rate	30 fps @ 2560x1920		
22		60 fps @ 1920x1080		
23	Maximum Streams	3 simultaneous streams or better		
24	S/N Ratio	50 dB or better		
25	Dynamic Range	110 dB or better		
26	Video Streaming	Adjustable resolution, quality and bit rate control		
27	Image Settings	Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, video rotation, 3DNR, DIS, HLC		
28	Audio Capability	Two-way Audio (full duplex)		
29	Audio Compression	G.711, G.726		
30	Audio Interface	External microphone input		
31		External line output		
32	Users	Live viewing for up to 10 clients		



33	Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, QoS, SNMP, 802.1X, UDP, ICMP,		
34	Interface	10 Base-T/100 Base-TX Ethernet (RJ-45)		
35	ONVIF	Supported		
36	Video Motion Detection	Five-window video motion detection, human detection, time filter		
37	Edge Analytics	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, running detection		
38	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, MicroSD card life expectancy		
39	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card		
40		File upload via HTTP, SMTP, FTP, NAS server and MicroSD card		
41	Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection		
42		Audio line input		
43		Audio line output		
44		AC 24V power input (optional)		
45		DC 12V power input		
46		Digital input *1		
47		Digital output *1		
48	Power Input	IEEE 802.3af PoE Class 0		
49		DC 12V		
50	Power Consumption	PoE: Max. 12 W		
51	Safety Certifications	CE, FCC Class B, UL, LVD, VCCI, C-Tick		
52	Casing	IP66, IK10 (Metal Housing)		
53	Operating	Starting Temperature: -10°C ~		

	Temperature	50°C)		
54		Working Temperature: -30°C ~ 50°C		
55	Humidity	0.9		
56	Compliance	NDAA		
57	Cyber security	Embedded		
<b>IMP: All the above-mentioned technical specifications are mandatory requirement.</b>				

### 3. PUBLIC ADDRESS SYSTEM/SOUND HORN AND ACCESSORIES:

Public Address system shall be used to make live and pre-recorded announcements. It shall be able to broadcast messages across all locations or specific announcement could be made to a particular location supporting single zone /multi zone operations. The system shall also deliver pre-recorded messages to the loud speakers attached to them for public announcements. The system shall contain IP Speakers (as per technical specs) and uses PoE power that could drive the speakers. The system shall also contain the master control station (as per technical specs) that could be used to make calls to the PA Speakers and control/monitor all the components of the system. The system should have the capability to be used for two-way audio communication between the IP Speaker and Master control station.

I	Public Address System Technical		
Sr. No	Parameter	Compliance Yes/No	Reference Document
A	IP Speaker Outdoor Horn		
1	Should have the capability to control individual PAS i.e. to make an announcement at select location (1:1) or multiple locations (1: many). The PAS should also support both, Live and Recorded announcements and music Input.		
2	IP Horn Speaker with minimum 10 Watts, Class D inbuilt amplifier		
3	Native IP connectivity, no convertors to be used		
4	Sound pressure level – 118 db		
5	Approvals and Compliances - UL 62368-1 UL Listed, FCC Part 15 Class A, ICES-003 Class A		
6	Protocols : IPv6, IPv4, TCP, UDP, HTTP (RFC 2617, RFC 3310), RTP (RFC 3550), RTCP, DHCP, SDP (RFC 2327), SIP (RFC 3261), SNMPv2, STUN, TFTP, URI (RFC 2396), DTMF Decoding (RFC 2876, RFC 2833), SIP User Agent (UDP RFC 3261		
7	Transmission bandwidth – 16,000 Hz		
8	Inputs/Outputs – 2 inputs and 1 output in the speaker		

9	Operating temperature range: -20 °C to +70 °C (-4 °F to +158 °F)		
10	Support of ONVIF Profile S for unidirectional audio transmission		
11	IP Rating – IP66 (EN60529)		
12	Mechanical impact resistance – IK10 (EN62262)		
13	Automatic Dynamic Noise suppression to eliminate ambient noises		
14	IVC Functionality – Automatic Intelligent Volume control		
15	Internal Mic for talkback facility		
<b>B</b>	<b>Master Control Station</b>		
1	PA Master Controller to have 5" touch screen 720 X 1280 pixels, gooseneck microphone and illuminated PTT button.		
2	Integrated 2.5W Class D Amplifier		
3	SPL – 82 dB		
4	20KHZ speech Quality for Master Control Desk		
5	Open Duplex for natural, hands-free communication for master control desk		
6	Operating Temperature for Master Control Desk: 0 °C to +50 °C		
7	Impact Rating IK08		
8	Certification - UL		
9	OEM should be ISO 27001:2013 certified		
<b>IMP: All the above-mentioned technical specifications are mandatory requirement. Share the confirmation for the same.</b>			

#### 4. SERVER COMPLIANCE:

##### ANPR & UVSS SERVERS

S No	Parameter	Description	Compliance (Yes/No)	Deviation (if any)
1	Processor	Intel/AMD Xeon Silver 4314, 2.4Gh, 16Core Dual processor or better		
2	RAM	16GBx4 Nos (64GB) RAM extendable up to 196GB		
3	Internal storage	480GB SSDx6 Nos 6TB SAS x 12 Nos		
4	Network Interface	10G x2 Nos LAN Card & 2 Nos of 1G Lan Card		
5	Graphics card	NVIDA QUADRO RTX4000 or Better.		
6	HBA interface	Dual Port PCI-e FC HBA 16 GBps HBA		
7	Operating System	LINUX OS or better.		
8	Power Supply	Dual Hot plug power supply 1400Watts		

9	Optical Drive	DVD +/-RW (Internal)		
10	Keyboards and Mouse	USB type		
11	USB port	Minimum 4 Nos USB ports		
12	Form Factor	Rack type		
13	Expandable	RAM & HDD upgradable		
14	Communication Ports	1 No. Serial port		
15	Upgrades On	Configuration upgrades should only with Cryptographically signed firmware, Secure Boot, Secure Erase etc.		
16	Security	Servers as Configuration upgrades should only with Cryptographically signed firmware, Secure Boot, Secure Erase etc.		

### 5. WORKSTATION COMPLIANCE:

SL NO	Technical Specification	WORKSTATION FEATURES	COMPLIANCE (YES/NO)	DEVIATION (IF ANY)
1	<b>PROCESSOR</b>	Intel Core i7 with Minimum 11 <sup>th</sup> GEN or better, with 1400W Better or Equivalent		
2	<b>TYPE</b>	TOWER		
3	<b>RAM</b>	24GB DDR4 2666MHz UDIMM Non-ECC Memory		
4	<b>SSD</b>	M.2 256GB PCIe NVMe Class 40 Solid State Drive		
5	<b>HDD</b>	2.5-inch 1TB 7200rpm SATA Hard Disk		
6	<b>OS</b>	LINUX OS or Better.		
7	<b>Graphics</b>	6 GB Graphic Card or better equivalent.		
8	<b>I/o Devices</b>	Wired Mouse Black, Wired Keyboard		
9	<b>Ethernet</b>	Gigabit Ethernet NIC Port 1		
10	<b>Warranty</b>	1 Year Warranty		
11	<b>Display</b>	24" FULL HD LED Display Monitor		
<b>Note: The above technical requirements are basic the minimum and can be higher also.</b>				

### 6. MEMORY CARD:

SL NO	Technical Specification	MEMORY CARD	COMPLIANCE (YES/NO)	DEVIATION (IF ANY)
1	Capacity	64GB		

2	Transfer Speed	Up to 80MB/s		
3	Class 10 for Full HD Video Recording and Playback			
4	Waterproof, Temperature-Proof, Shockproof, and X-Ray Proof			

**Note: The above technical requirements are minimum and can be higher also.**

### 7. DISPLAY COMPLIANCE:

SL NO	Technical Specification	COMPLIANCE (YES/NO)	DEVIATION (IF ANY)
1	General: Very narrow bezel to bezel (<=2.5mm) all side CCTV Monitor suitable for continuous (24x7x365) 500 nits or more brightness. Anti-glare: 2.3m(U/L), 1.2mm(R/B) 24 x 7500 Nits Anti-Glare.		
2	Screen: 55inch" LED		
3	Resolution: 1920x 1080 or better		
4	Grading: Commercial grade running 24 x 7 mode		
5	Monitor Mounting & allied items and accessories: Mounting kits, Brackets & Supports to suit installation requirements. Including all items for successful commissioning and operation		

**Note: The above technical requirements are minimum and can be higher also.**

### 8. LAYER 2 MANAGEABLE SWITCHES COMPLIANCE:

24 Ports POE Edge Switch Specification		Compliance	Deviation
<b>1</b>	<b>General Hardware and Interface requirement</b>		
1.1	Switch with at least 24 X RJ-45 Gigabit Ethernet PoE Ports and additional 4 X SFP+ 10G Ports.		
1.2	All the above copper ports shall support IEEE802.3af PoE and IEEE 802.3at PoE+ standards with minimum 200 Watts for PoE		
1.3	Switch should have management console interface for out-of-band management.		
1.4	Switch should be standard 19-inch 1U rack mountable.		
<b>2</b>	<b>Performance</b>		
2.1	Switching capacity should be 128Gbps or higher or non-blocking architecture.		
2.2	Switch packet forwarding rate should be 95Mpps or higher or non-blocking architecture.		
2.3	Switch MAC table should be at least 16K or higher.		
2.4	Switch should support physical stack of up to at least 6 units per stack and stack bandwidth up to 40G full-duplex.		
2.5	Switch should delivered 802.3at PoE+ and 802.3af PoE power to		

	any of the RJ-45 ports.		
<b>3</b>	<b>Physical Environment</b>		
3.1	The total power available for PoE switch should be 370W or higher.		
3.2	Power input should be 100 to 240 VAC, 50/60 Hz, internal universal power supply.		
3.3	Operating temperature should be 0 degree Celsius to +50 degree Celsius.		
<b>4</b>	<b>L2 Feature</b>		
4.1	Support Jumbo Frame up to 9K Bytes or higher.		
4.2	Should support IGMP Snooping, Able to create 500 or more IGMP groups and require support for Host-based IGMP Snooping Fast Leave.		
4.3	Should support MLD Snooping, Able to create 500 or more MLD groups, Per VLAN MLD Snooping and require support for Host-based MLD Fast Leave.		
4.4	Should have 802.1D STP, 802.1w RSTP and 802.1s MSTP Spanning Tree Protocol.		
4.5	Should support Loopback detection (LBD) to detect the loop created by a specific port.		
4.6	Should support Multicast Filtering to filters or forward all unregistered groups.		
4.7	Should have ERPS as per standard ITU-T G.8032 to provide sub-50ms protection for Ethernet traffic in ring topology.		
4.8	Should support Local Proxy Address Resolution Protocol (ARP) or equivalent and Gratuitous ARP.		
4.9	Switch should support Neighbor Discovery (ND) protocol for IPv6.		
4.1	Should support default routing and static routing with minimum 60 IPv4 static route entries and minimum 30 IPv6 static route entries.		
<b>5</b>	<b>VLAN</b>		
5.1	Switch should support IEEE 802.1Q VLAN tagging for Ethernet frames.		
5.2	Different type of VLAN like Port based, MAC based, GVRP, Protocol based, Auto Surveillance, Auto Voice, etc. should be available for configuration.		
<b>6</b>	<b>Quality of Service (QoS)</b>		
6.1	Switch should support QoS (quality of service) IEEE 802.1P for traffic prioritization. It should support 8 queues per port.		
6.2	Different type of QoS priority like Strict Priority Queue, Weighted Round Robin, Deficit Round Robin and Strict Priority + Weighted Round Robin.		
<b>7</b>	<b>Access Control List (ACL)</b>		
7.1	Port based ingress / egress rate limit function should be available with limit in increments as low as 64 Kbps.		
7.2	Support at least 700 access control entries. Each entry should be applied on single / multiple ports with permit / deny action.		
7.3	Should support specific times of the day and week in order to		

	implement time-based ACLs.		
<b>8</b>	<b>Security</b>		
8.1	Should support port security to secure the access port based on MAC address. After a specific timeframe, the aging feature removes the MAC address from the switch to allow another device to connect to the same port.		
8.2	Should have per-port broadcast, multicast, and unicast storm control to prevent faulty end stations from degrading overall systems performance.		
8.3	Should support dynamic ARP inspection and ARP spoofing prevention.		
8.4	Should support DHCP snooping and DHCP server screening.		
8.5	Require prevention of DoS attacks, which include Land, Blat, TCP Null Scan, TCP Xmas Scan, TCP SYNFIN, Ping of Death Attack and TCP Tiny Fragment attack.		
8.6	Should have SSH and SSL for IPv4 and IPv6.		
8.7	Support Traffic Segmentation to restricted traffic flow from a single or group of ports, to another group of ports.		
8.8	Should support BPDU Attack Protection.		
8.9	Switch should able to create a binding table for IP + MAC + Port to prevents a malicious user from spoofing or to restrict the unauthorized users.		
8.1	Switch should support IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Source Guard, IPv6 Snooping, IPv6 ND Inspection, etc.		
8.11	Should support 802.1X port based and 802.1X MAC based authentication.		
8.12	Should support RADIUS and local server authentication.		
8.13	Switch should have MAC-based Access Control (MAC) authentication to authenticate a user when the user is trying to access the Network via the Switch.		
8.14	Switch should have Web-based Access Control (WAC) authentication to authenticate a user when the user is trying to access the Internet via the Switch.		
8.15	Switch should support guest VLAN for guest clients to have limited network access.		
8.16	Should support RADIUS/TACACS+ authentication for switch access and accounting.		
<b>9</b>	<b>Management</b>		
9.1	Should have option to check the status of copper cables using the cable-diagnostics time domain reflectometer (TDR).		
9.2	Should support Flow (RFC3176) or equivalent for monitoring traffic in data networks.		
9.3	Able to manage through Web-GUI, Fully functional CLI interface and Telnet.		
9.4	Should have multiple Image and configuration support to reduced down time for the switches.		
9.5	Switch should support dynamic host configuration protocol (DHCP) auto configuration of multiple switches through a boot server eases switch deployment.		
9.6	Switch should support DHCP server.		

9.7	Switch should be IPv6 from day 1		
9.8	Should support Link Layer Discovery Protocol (LLDP) and LLDP-MED.		
10.1	Switch shall conform to UL 60950 or IL 60950 or CSA 60950 or EN 60950 or any equivalent Standards for Safety requirements of Information Technology Equipment.		
10.2	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B or any equivalent Standards for EMC (Electro Magnetic Compatibility) requirements.		

**Note: The above technical requirements are minimum and can be higher also.**

## 9. WIRELESS RADIO DEVICE COMPLAINE:

SL. No.	Features	Description	Compliance YES/NO	Deviations
1	Frequency	5.150 to 5.950 GHz		
2	Band Support	Radio Must support 5.8GHz		
3	NLOS, nLOS operation	Radio Must support NLOS, nLOS condition with iOFDM		
4	Throughput	System should support maximum of 1.36 Gbps aggregate throughput		
5	Channel Bandwidth	Radio must support 2 channels, each channel with 20, 40, and 80 MHz		
6	Spectral Efficiency	Should support more than 8 bps/Hz		
7	Channel Selection	Fixed frequency or Dynamic Spectrum Optimization		
		Automatic selection on start-up		
		Continual Self-optimization to avoid interference		
8	Max Output Power at Antenna port	Should support maximum 27 dBm, can vary with modulation and settings		
9	Modulation	MCS 0 to MCS 9 (BPSK to 256 QAM)		
10	Duplex Scheme	Time Division Duplex (TDD) Multiple transmit/receive duty cycles Split frequency operation allows separate transmit and receive frequencies where allowed by regulation.		



11	Channel Bonding	System should support channel bonding		
12	Sensitivity	-90 dBm		
13	Distance Coverage	Support up to 200 km		
14	VLAN Support	VLAN support based on IEEE 802.1Q		
15	Security	AES 128 Encryption		
		Identity-Based user account		
		Configurable password rules		
		User Authentication and Radius Support		
16	Bandwidth	System should be able to configure symmetric & asymmetric bandwidth. Upload and download percentage should be user configurable.		
17	MIMO	Physical Layer 2X 2x2 MIMO		
18	Interfaces	Should have 1 Gigabit Ethernet and 1 SFP port		
19	IPv6 support	System must support IPv6/IPv4 Dual stack support		
20	Asymmetric non-adjacent channel Bonding	System should provide the flexibility for different band to configure different TX and RX frequency for master and slave radio		
21	Spectrum analyser mode	Built in Online Spectrum analyser. Running spectrum should not affect the link performance		
22	Support for Dynamic Channel Selection	System should support Dynamic Channel Selection to deliver the hitless performance. There must not be any outage in case of Spectrum analyser run		
23	INSTALLATION	Built-in e-alignment using GUI on Radio to assist in installation		
24	Management	IPv6/IPv4 dual-stack management support SNMPv2 and SNMPv3, HTTPS		
25	Quality of Service	Should support as per 802.1p / DiffServ		
26	ARQ	System should have the support of ARQ		
27	Ethernet Latency	Latency should be below 10ms with 90% Load condition		
28	Antenna Type	External Dual Polarized Antenna support of desired gain		

29	GPS synchronization	System should support GPS synchronization technique to eliminate mutual interference		
30	Operation Temp.	40°C to 60°C Outdoor		
31	Wind survival	Minimum 200 km/h		
32	Protection	IP66 and IP67		
33	Certificates	FCC Part 15E ; RSS 247 Issue 2; EN 302 502; EN 301 893		
		Safety: UL60950-1/22; IEC60950-1/22; EN60950-1.22; CSA-C22.2 No. 60950-1/22		
		EMC: US Part 15B, Canada RSS-GEN, Europe – EN 301 489-1 and -17		

**Note: The above technical requirements are minimum and can be higher also.**

### 10. RACKS COMPLIANCE:

- 42U RACK:

SL NO	PRODUCT	TECHNICAL SPECIFICATIONS	COMPLIANCE YES/NO	DEVIATIONS
1	Height Overall height	2010		
2	Usable height (h)	42U		
3	w Overall width	800		
4	w /w1 Usable width	19"/27"		
5	D Overall depth	1000		
6	d Usable depth	900		
7	Plinth Height(mm)	50/100		
8	Caster Type Height	105 mm		
9	Basic Frame	Steel folded		
10	Construction	Welded or CKD		
11	Top & Bottom Cover	Bolted to Frame with Cable entry exit cut outs		
12	Front Door	Lockable Toughened Glass Door OR Lockable Perforated steel Door		
13	Rear Door	Lockable Steel Door - Plain / Vented / Perforated		
14	19" Mounting Angle	Formed Steel		
15	Std. Equipment Mounting	DIN Std. 10mm Sq. Slots		
16	Standard Finish	Powder coated		
17	Standard Colour	Grey & Off White OR Black		
18	Standard Mounting	Caster wheels (2 with Brake & 2 without Brake) OR Levellers OR Plinth		
19	Rack Standard	Conforms to DIN 41494 or equivalent standard		

20	Static Load	750Kg with casters. 1250Kg with Levellers / Plinth		
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**Note: The above technical requirements are minimum and can be higher also.**

• **15U RACK:**

SL NO	PRODUCT	TECHNICAL SPECIFICATIONS	COMPLIANCE YES/NO	DEVIATIONS
1	Height Overall height	810		
2	Usable height (h)	15U		
3	w Overall width	800		
4	w /w1 Usable width	19"/27"		
5	D Overall depth	1000		
6	d Usable depth	900		
7	Caster Type Height	65 mm		

**Note: The above technical requirements are minimum and can be higher also.**

**11. ONLINE UPS COMPLANCE**

SL NO	PRODUCT	TECHNICAL SPECIFICATIONS	COMPLIANCE YES/NO	DEVIATIONS
1	UPS Capacity	10KVA (8KW) with Inbuilt Isolation Transformer		
2	Rectifier Type	IGBT		
3	Rate Voltage	220/230/240VAC, 1phase, 2 wire+Gnd (L1-N/L1-L2+GND)		
4	Input Voltage Range	1 phase, 120VAC- to 300 VAC (Based on Load percentage)		
5	Frequency Range	46Hz-54Hz		
6	Input Power Factor	Single Phase $\geq 0.99$		
7	Battery Type	Sealed Lead Acid Maintenance Free		
8	DC Voltage	192/240		
9	Backups	2 hours		
10	Battery Type	Sealed Lead Acid Maintenance Free		
11	Battery Capacity & Numbers	100AH* 20 nos SMF Batteries (Quanta/Exide Make)		
12	Rated Power	10KVA/8KW		
13	Rated Voltage	Single Phase, 220VAC, 230VAC		
14	Output Voltage THD	<3% for linear load, <5% nonlinear Load		
15	Load Crest Factor	3:1(Complied (EC-62040-3)		
16	Step Load Performance	100%		
17	Overload capacity	125% for 10 min, 130% for 1 min,		
18	Form Factor	Tower Mountable		
19	Conversion type	Online Double conversion		
20	Display	LCD		

21	Systems Efficiency	>90%		
22	Eco mode			
23	Certificate	BIS		
24	Safety	EN 62040-1		
25	Performance	IEC/EN62040-3		
26	Warranty	2 years for UPS & 2 years for Battery		
<b>IMP: The Above-mentioned configurations are minimum and mandatory requirements; equal or higher configuration shall be suggested.</b>				

## 12. GALVANIZED POLE COMPLIANCE

6 Mtrs Galvanized Tubular GI Pole			
SL NO	Specifications	Compliance (Yes/No)	Deviation (if any)
1	Length:6Mtr, Galvanization thickness: 90 Micron. The Poles should be erected with proper civil works i.e., concrete foundation base of suitable depth below the ground level.		
2	The pole and its construction can withstand wind speeds up to 150 km/h. The projected pipe should withstand at least 10 Kg of weight at top of the pole.		
3	Suitable nuts, bolts, clamps for camera fixing should be provided		
4	The Poles shall be in single section, there shall not be any circumferential weld joint.		
5	The poles shall be hot dip galvanized as per IS2629		
6	The Poles shall be bolted on a foundation with a set of four foundation bolts for greater rigidity.		
7	The galvanized mounting bracket shall be supplied along with the Poles for installation of the surveillance cameras		
8	The bracket shall have one coat of anticorrosion paint before dispatch to site and two coats of approved make and shade of enamel paint.		
9	Suitable openings for running the PoE Cable, earthing wire within the Pole should be available. No cables of camera should be projected outside after installation of cameras.		
10	Earthing should be provided.		
<b>IMP: All the above-mentioned technical specifications are mandatory requirement.</b>			

### 13. OFC CABLE COMPLIANCE

SL NO	Technical Specification	COMPLIANCE (YES/NO)	DEVIATION (IF ANY)
1	Cable containing up to: 4 - 12 optical fibres in water blocked loose tubes, taped, corrugated steel tape armoured (STA)polyethylene (HDPE) outer sheathed embedded with two steel wires on the periphery		
2	Number of elements: 5		
3	Tube Identification: Single tube		
4	Fibre protection (Tube) : Polybutylene Terephthalate (PBT)		
5	Water Blocking: Thixotropic Gel (Tube) Petroleum Jelly (Interstices)		
6	Core Wrapping: Polyethylene Terephthalate		
7	Armouring: Corrugated Steel Tape Armour (ECCS Tape) Thickness > 0.125mm		
8	Peripheral Strength Member: Two Steel wires Sheath : UV Stabilised Polyethylene (HDPE)		
9	Characteristics - Optical Performance Max. Attenuation: At 1310 nm: 0.34 dB/km At 1550 nm: 0.22 dB/km Max. Average Attenuation; At 1310 nm: 0.33 dB/km At 1550 nm: 0.21 dB/km Attenuation Discontinuity: Both Windows <0.10dB Numerical Aperture: 0.14		
10	Bandwidth :> 1GHz-Km at 1310nm		
11	Specifications ISO.IEC 11801 - 2nd Edition, type OS2; AS/ACIF S008; AS/NZS 3080, EIA/TIA 568-C.3. ITU-T REC G 652D spec for Low Water Peak fibre IEC 60793/60794, TIA 568, EIA 455		
<b>IMP: All the above-mentioned technical specifications are mandatory requirement. Share the confirmation for the same.</b>			

### 14. CAT 6 STP CABLE COMPLIANCE

SL NO	PRODUCT	TECHNICAL SPECIFICATIONS	COMPLIANCE YES/NO	DEVIATIONS
1	ANSI/TIA Category	6A		
2	Cable Component Type	Horizontal		
3	Cable Type	F/UTP (shielded)		
4	Conductor Type, singles	Solid		

5	Conductors, quantity	8		
6	Drain Wire Type	Solid		
7	Jacket Color	White		
8	Cable Length	304.8 m   1000 ft		
9	Diameter Over Conductor	1.14 mm   0.045 in		
10	Diameter Over Jacket, nominal	7.188 mm   0.283 in		
11	Conductor Gauge, singles	23 AWG		
12	Drain Wire Gauge	26 AWG		
13	Characteristic Impedance	100 ohm		
14	Characteristic Impedance Tolerance	±15 ohm		
15	dc Resistance, maximum	8 ohms/100 m   2.438 ohms/100 ft		
16	Delay Skew, maximum	45 ns		
17	Dielectric Strength, minimum	1500 Vac   2500 Vdc		
18	Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz		
19	Nominal Velocity of Propagation (NVP)	64%		
20	Operating Frequency, maximum	500 MHz		
21	Operating Voltage, maximum	80 V		
22	Propagation Delay, maximum	536 ns/100m @500MHz		
23	Remote Powering	Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A		
24	Conductor Material	Bare copper		
25	Insulation Material	Polyolefin		
26	Jacket Material	Low Smoke Zero Halogen (LSZH)		
27	Shield (Tape) Material	Aluminum/Polyester		
28	Minimum Bend Radius Note	8 times the outer cable diameter		
29	Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)		
30	Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)		
31	Environmental Space	Low Smoke Zero Halogen		

		(LSZH)		
32	Flame Test Method	IEC 60332-1		
33	Smoke Test Method	IEC 61034-2		
<b>IMP: The Above-mentioned configurations are minimum and mandatory requirements;</b>				

## 15. POWER CABLE COMPLIANCE

SL No.	Specifications	Compliance (Yes/No)	Remarks
1	3 core 4 sq mm copper conductor, PVC insulated, armored, cable conforming to IS:1554 (Part-I) with FRLS PVC outer sheath. The cable shall have marking of length at each meter. The cables shall have identification tags of connections at each end and such details shall be submitted along with documentation		
<b>IMP: The Above-mentioned configurations are minimum and mandatory requirements</b>			

### ALLIED WORKS:

- a) All allied works as per the Bill of Quantities to be carried out by the Contractor in all respects invariably mentioned or not in the specification to complete the work in all respects.
- b) The materials required / intended for the work should be handled carefully and neatly installed / laid / commissioned and any damages during installation will be Contractors account and same shall be rectified immediately to its original condition.
- c) The Miscellaneous works to be carried out invariably whether clearly mentioned or not in the specifications and BOQ and to be completed in all respects the said project work

### GENERAL NOTES:

- a) All the drawings of Design, Construction, Foundation Details, catalogues/Brochures of type Test certificates, routine Test certificates etc. should be submitted by the contractor in THREE sets invariably mentioned or not in the Tender Schedule. After the completion of work, As Built drawings in THREE sets to be submitted.
- b) All the drawings to be got approved by the Engineer –in –charge before Fabrication, Assembly, installation etc.
- c) All the works of installation, testing commissioning to be carried out in the presence of Engineer-in-charge.
- d) Since the project / works is on turnkey basis, the items / components not specifically mentioned but required, shall be considered and included in the quoted price at the time of submission of bid. No claim will be entertained after opening of Price bid.
- e) All the Hardware materials/Miscellaneous materials should be got approved by the Engineer – in-charge before installation and commissioning.
- f) The contractor should provide all facilities to test the materials at site.
- g) The total turn-key project should be guaranteed for a period of **12 months** from the last date of commissioning for all the materials and work carried out by the contractor. In the event of failure during the Guarantee Period, the restoration work shall be done free of cost by the Contractor within 24 Hours of giving notice or else, the expenditure incurred by New Mangalore Port Authority to carry-out the defective work will be recovered from the performance guarantee.

### 5.7 MANUFACTURER AUTHORIZATION FORM:

Manufacturer Authorization Form (MAF) for the following items from the Original Equipment Manufacturer (OEM) has to be submitted along with the Tender.

SL. NO.	PRODUCT	MAF
1	UVSS PRODUCT	Required from OEM
2	CAMERAS	Required from OEM
3	SERVER	Required from OEM
4	WIRELESS RADIO DEVICES	Required from OEM

### 5.8 MAKE & MODEL OFFERED:

List of offered makes & Road Map of the offered makes and models

SL NO	Equipment	Offered Make	Offered Model	End of Sale	End of Support
1	UVSS				
2	Cameras				
3	Server				
4.	Wireless Radio devices				
5.	UPS				



**PARTICULARS OF BIDDER:**

**All individual firms or each of the partners of an organization submitting the tender must complete the information in this form.**

1.	Full name of the Firm:	
2.	Head Office address:	
3.	Contact person name at Head office:	
4.	Telephone number/s:	
5.	Fax number/s:	
6	E-mail Id	
7.	Branch Office address if any:	
8.	Contact person name at Branch office:	
9.	Telephone number/s:	
10.	Fax number/s:	
11.	E-mail Id	
12.	Works address:	
13.	Contact person name at Works:	
14.	Telephone number/s:	
15.	Fax number/s:	
16.	E-mail Id	
17.	Place of Registration/ Incorporation:	
18.	Year of Registration/ Incorporation	

Signature & seal of the Bidder

TENDER FORM

**(Note: - Bidders are required to fill up all the blank spaces in this Tender Form)**

To,

**The Chief Mechanical Engineer,  
New Mangalore Port Authority,  
Panambur, Mangalore – 575 010.**

**India**

1. Having examined the Instructions to Bidders, Conditions of Contract, Specifications and Schedules attached to the Tender with Annexure and having satisfied ourselves of the site conditions for the Tender for “**PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA** ” we the undersigned, offer to execute the Contract as per conditions of contract, at rates for items of work in the Schedule of items of work and rates attached herewith.
2. We further undertake, if our tender is accepted, to deposit within 28 days from the date of receipt of the letter of acceptance, Performance Guarantees to the extent of **3% (Three percent)** of the contract price in the manner set forth in the GCC of tender.
3. We further undertake, if our tender is accepted, to enter into and execute within 14 days of our being called upon to do so, an Agreement in the form annexed and the conditions of contract with such modifications as are agreed upon.
4. Unless and until a formal agreement is prepared and executed, this tender together with your written acceptance thereof, shall constitute a binding contract between us.
5. We have submitted the Bid Security declaration as per the instructions.
6. We further agree that in the event of our withdrawing the tender before the receipt of the final decision or in the event of our failing to deposit the Performance Security in such form as contained in the GCC of tender or in the event of our tender being accepted, fail to execute an agreement in the form aforesaid within

14 days or extended time thereafter from the date of receipt of letter of acceptance, we may be disqualified and debarred for a period of three (3) years from participating for tenders at New Mangalore Port Authority duly informing the MSME authorities if applicable.

7. We agree that the payment shall be made direct to us by the Port Authority in Rupees.
8. We understand that you are not bound to accept the lowest or any tender you may receive.

**Dated this \_\_\_\_\_ Day of \_\_\_\_\_ in the capacity of \_\_\_\_\_ duly authorized to sign the Tender for and on behalf of**

**(IN BLOCK CAPITALS)**

**Signature:**

**Witness**

**Address:**

FORM OF AGREEMENT

THIS AGREEMENT made at Mangalore this \_\_\_\_\_ day of \_\_\_\_\_ BETWEEN M/s. \_\_\_\_\_ (hereinafter called "the Contractor") which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include his heirs, executors, administrators successors and permitted assigns) of the one part and THE BOARD OF NEW MANGLORE PORT AUTHORITY having its Office at Panambur, Mangalore ( herein after called "The Board") which expression shall unless excluded by or repugnant to the context or meaning hereof, be deemed to include their successors and assigns) of other part, WHEREAS the Board have accepted a tender by the Contractor for **PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA** vide work order No.....dated.....

NOW THIS AGREEMENT WITNESSESTH AS FOLLOWS:

1. In this agreement words and expressions shall have the same meaning as are respectively assigned to them in the conditions of Contract hereinafter referred to.
2. The following documents annexed herein shall be deemed to form and be read and construed as part of this Agreement, viz –
  - a) The said tender
  - b) The acceptance of tender
  - c) The conditions of Contract
  - d) The scope of work/specifications.
  - e) The Price schedule and all other Annexures
  - f) The Contractor's all correspondence, by which the Contract is added, amended, varied or modified in any way by mutual consent.

3. In consideration of the payments to be made to the Contractor as hereinafter mentioned the Contractor HEREBY COVENANT with the Board for **PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA** in conformity in all respects with the provision of the Contract.
4. The Board HEREBY COVENANT to pay to the Contractor in consideration of the work of “**PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA**”, the Contract Price or and such other sum as may be payable at the time and in the manner prescribed by the Contract.
5. IN WITNESS WHEREOF the parties hereunto have set their hands and seals, the day and year first above written. This Agreement is assigned as CMEA...../2022..... dated...../...../2022 and contains with.....pages in all.

Signed, sealed and delivered

by \_\_\_\_\_ for and on behalf of

(Contractor)

Witness:

1.

COMPANY SEAL

2.

**CHIEF MECHANICAL ENGINEER**

**For and On behalf of the NMPA**

**(Board)**

**Witness**

1.

2.

**FORMAT OF PERFORMANCE SECURITY DEPOSIT BANK GUARANTEE**

1. In consideration of the Board of the New Mangalore Port Authority (hereinafter called “The Board”) which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successors and assigns has awarded the Contract for **“PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA”** vide Work Order No.\_\_\_\_\_(hereinafter called ‘the Contract’) to M/s. **“Name of the Contractor”** (hereinafter called the ‘Contractor’) which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include his heirs, executives, administrators, successors and permitted assigns under the terms and conditions of the Contract, made between the Contractors and the Board, the Contractor is bound to submit a performance Guarantee of Rs.----- /-(Rupees-----) to Board, we the Corporation Bank, full address of the bank to be mentioned(hereinafter referred to as ‘the Bank’ ) at the request of the Contractors do hereby undertake to pay to the Board an amount not exceeding Rs.\_\_\_\_\_/-(Rupees\_\_\_\_\_) against any loss or damage caused to or suffered or which would be caused to or suffered by the Board by reason of any breach by the Contractors of any of the terms and conditions of the said Contract.
  
2. We, \_\_\_\_\_ (Name of the Bank), do hereby undertake to pay Rs.\_\_\_\_\_/-(Rupees\_\_\_\_\_) as the amounts due and payable under this guarantee without any demur, merely on a demand from the Board stating that the amount claimed is due by way of loss or damage caused to or which would be caused to or suffered by the Board by reason of the Contractor’s failure to perform the said Contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs.\_\_\_\_\_/-(Rupees \_\_\_\_\_).
  
3. We, \_\_\_\_\_(Name of the Bank), undertake to pay to the Board any money so demanded notwithstanding any dispute or disputes raised by the Contractor in any

suit or proceeding before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

4. We, \_\_\_\_\_(Name of the Bank), further agree with the Board that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and it shall continue to be enforceable till all the dues of the Board under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged or till the Chief Mechanical Engineer of the said Board certified that the terms and conditions of the said Contract have been fully and properly carried out by the said Contractors and accordingly discharge this guarantee. Unless the demand or claim under this guarantee is made on us in writing on or before \_\_\_\_\_, we shall be discharged from all liabilities under this guarantee thereafter. This Guarantee will remain in force from the date hereof, i.e. till \_\_\_\_\_ and unless a demand or suit or action to enforce any claim under the guarantee is made within three months from the date of expiry of this guarantee, i.e. on or before \_\_\_\_\_, all your rights under this guarantee shall be forfeited and we shall be relieved and discharged from all liabilities under this guarantee thereafter PROVIDED, that the Bank shall at the request of the Board but at the cost of the Contractors, renew or extend this guarantee for such further period or periods as the Board may require from time to time.
  
5. We, \_\_\_\_\_(Name of the Bank), further agree with the Board that the Board shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend the time of performance by the said Contractors from time to time to postpone from any time or from time to time any of the powers exercisable by the Board against the said Contractors and to forebear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation or extension being granted to the Contractors or for any forbearance, act or omission on the part of the Board or any indulgence shown by

the Board to the Contractors or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.

6. This Guarantee will remain valid for the entire period as agreed, even though there happens to be change in the constitution of the bank or that of the Contractor.
7. We, \_\_\_\_\_(Name of the Bank), lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Board in writing.
8. Our liability under this Guarantee shall not exceed Rs.\_\_\_\_\_/-(Rupees\_\_\_\_\_).
9. This Guarantee shall valid up to \_\_\_\_\_.
10. We, are liable to pay the guaranteed amount or any part thereof under this guarantee only & only if you serve us a written claim or demand on or before ----/----/202 .
11. The Bank Guarantee is en-cashable at our \_\_\_\_\_ branch at Mangalore, Karnataka

Dated ----- day of -----2021

For

(Authorised Signatory/s)

(Name & Code No.)

(For and on behalf of Bank.)



**Format for Declaration**

*(To be executed on bidder's letter head)*

To

**PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA**

Ref:

The undersigned, having studied the pre-qualification submission for the abovementioned project, hereby states:

- (a) The information furnished in our bid is true and accurate to the best of my knowledge.
- (b) That in case of being pre-qualified, we acknowledge that the Employer may invite us to participate in due time for the opening of Price cover of the tender on the basis of provisions made in the tender documents to follow.
- (c) When the call for tenders is issued, if the legal, technical or financial conditions, or the contractual capacity of the firm or joint venture changes, we commit ourselves to inform you and acknowledge your sole right to review the pre-qualification made.
- (d) We enclose all the required pre-qualification data format and all other documents and supplementary information required for the pre-qualification evaluation.
- (e) We state that no changes have been made by us in the downloaded tender documents and also understand that in the event of any discrepancies observed, the printed tender document No. \_\_\_\_\_ is full and final for all legal/contractual obligations (delete if not required).
- (f) No conditions are incorporated in the Financial Bid. In case any conditions are specified in the Financial Bid, the Tender will be rejected summarily without making any further reference to the Bidder.
- (g) We also state that we have not made any payment or illegal gratification to any person/authority connected with the bid process so as to influence the bid process and have not committed any offence under the PC Act in connection with the bid.
- (h) We also undertake that, currently we don't have any litigation.

Date:

Place:

Name of the Applicant : \_\_\_\_\_

\_\_\_\_\_

Represented by (Name & capacity) \_\_\_\_\_

\_\_\_\_\_

(To be executed on Non-Judicial Stamp Paper of Rs.100/-)

**FORMAT OF POWER OF ATTORNEY** (in original)

In favour of signatory/s to the Tender, duly authenticated by Notary Public.

POWER OF ATTORNEY IN FAVOUR OF ----- (Name, Designation, Company name)

TO ALL TO WHOM THESE PRESENTS shall come, I, (Name & address of the authorized person to sub-delegate/delegate powers, delegated on him by the Board of Directors) do hereby sub-delegate/delegate, in terms of the powers delegated to me by the Board of Directors, ----- (name of the Co.) to Shri ----- (name, designation & address of the Attorney) the following:

NOW KNOW YE AND THOSE PRESENTS that I, (Name & address of the authorized person to sub-delegate/delegate powers, delegated on him by the Board of Directors), do hereby authorize and empower Shri ----- (name, designation & address of the Attorney) to do severally amongst others, for the purpose of carrying on our business, the following:

- a) To represent lawfully the (name of the Co.) for obtaining bid/tender documents, prepare, sign, execute and submit tenders for execution of **“PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA ”**. Or any other works incidental to such works
- b) To discuss the technical and financial matters, negotiate and accept prices and take decisions regarding terms and conditions and sign agreements and contracts and also to bind the (name of the Co.) to the arbitration clause included in the contract.
- c) For all or any of the purposes here of to sign and deliver or otherwise execute such deed or deeds, transfer or transfers, endorsement or endorsements and to perform such other acts, matters, things as the Attorney shall consider requisite or advisable as full and effectively as the Company could do, if present and acting there.

I, (Name & address of the authorized person to sub-delegate/delegate powers, delegated on him by the Board of Directors) in terms of the powers delegated to me by the Board of Directors of (name of the Co.), do hereby agree that all acts, deeds and things done by the said Attorney by virtue of this power of attorney, shall be construed as acts, deeds and things done by the Company.

I, (Name & address of the authorized person to sub-delegate/delegate powers, delegated on him by the Board of Directors), further undertake to ratify and confirm whatever our said attorney shall do or cause to be done for the Company, the said Company, in the premises, by virtue of the powers hereby given.

WHEREAS, this sub-delegation is signed and delivered to Shri ----- (name & designation of the Attorney), on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ (Two thousand \_\_\_\_\_ ).

WHEREAS, even though this sub-delegation is signed on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ (Two thousand \_\_\_\_\_ ), will have effect from the date he signs and receives this delegation.

IN WITNESS WHEREOF, I, (Name & address of the authorized person to sub-delegate/delegate powers, delegated on him by the Board of Directors) has, this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ (Two thousand \_\_\_\_\_ ) set my hands and subscribed my signature unto this instrument.

SIGNED AND DELIVERED ON

\_\_\_\_\_ BY

(Name of authorized person to delegate powers)

WITNESS:

SIGNED AND RECEIVED ON

\_\_\_\_\_ BY

(Name & designation of Attorney)

**Bank Information for E-Payment**

1	Name and full address of the Bidder	
2	Credit Account No. (Should be full 14 digit)	
3	Account type (SB or CA or OD)	
4	Name of the Bank	
5	Branch (Full address with Telephone No.)	
6	MICR code (should be 9 digit)	
7	Telephone/Mobile/Fax/ e-mail of the Bidder	<b>Telephone:</b>
		<b>Mobile:</b>
		<b>e-mail:</b>
8	<b>Xerox copy of a cheque should be enclosed</b>	
9	<b>PAN</b> (Xerox copy of <b>Permanent Account Number</b> shall be enclosed)	

Signature and seal of the Bidder

**DISPUTES REVIEW BOARD AGREEMENT**

*(To be executed on Rs.100/- non-judicial Stamp Paper)*

THIS AGREEMENT, made and entered into this Day of \_\_\_\_\_20\_\_\_\_\_ Between ("the Employer/ Board") and ("the Contractor"), and the Disputes Review Board ("the DR Board") consisting of One/three DR Board Members, (Members from either party, i.e contractor and Employer/ Board)

- (1) .....
- (2) .....
- (3) .....

[ Note Delete whatever is not applicable]

WITNESSETH, that

WHEREAS, the Employer/ Board and the Contractor have contracted for the execution of (P r o j e c t n a m e ) ( t h e "Contract") and WHEREAS, the contract provides for the establishment and operation of the DR Board NOW THEREFORE, the parties hereto agree as follows -

- 1. The parties agree to the establishment and operation of the DR Board in accordance with this DR Board Agreement.
- 2. Except for providing the services required hereunder, the DR Board Members should not give any advice to either party or to the Engineer or Engineer's Representative concerning conduct of the Works.

The DR Board Members

- (a) shall have no financial interest in any party to the contract or the Engineer or Engineer's Representative, or a financial interest in the contract, except for payment for services on the DR Board\_
- (b) shall have had no previous employment by, or financial ties to, any party to the contract, or the Engineer or Engineer's Representative, except for fee based consulting services on other projects, all of which must be disclosed prior to appointment to the DR Board.
- (c) shall have disclosed in writing to the parties prior to signature of this Agreement

any and all recent or close professional or personal or personal relationships with any director, officer, or employee of any party to the contract, or the Engineer or Engineer's Representative, and any and all prior involvement in the project to which the contract relates;

- (d) shall not, while a DR Board Member, be employed whether as a consultant or otherwise by either party to the contract, or the Engineer or Engineer's Representative, except as a DR Board Member.
- (e) shall not, while a DR Board Member, engage in discussion or make any agreement with any party to the contract, or with the Engineer or Engineer's Representative, regarding employment whether as a consultant or otherwise either after the contract is completed or after services as a DR Board Member is completed;
- (f) shall be and remain impartial and independent of the parties and shall disclose in writing to the Employer/ Board, the Contractor, the Engineer or Engineer's Representative, and one another any fact or circumstances which might be such to cause either the Port or the Contractor to question the continued existence of the impartiality and independence required of DR Board Members.

3 Except for its participation in the DR Board's activities as provided in the contract and in this Agreement none of the Employer/ Board, the Contractor, the Engineer or Engineer's Representative, and one another any fact or circumstances which might be such to cause either the Employer/ Board or the Contractor to question the continued existence of the impartiality and independence required of DR Board Members.

4 The Contractor shall

- a) furnish to each DR Board Members one copy of all documents which the DR Board may request including contract documents, progress reports, variation orders, and other documents, pertinent to the performance of the Contract.
- b) in co-operation with the Employer/ Board, co-ordinate the Site visits of the DR Board, including conference facilities and secretarial and copying services.

5. The DR Board shall serve throughout the operation of the contract. It shall begin operation following execution of this Agreement, and shall terminate its activities after issuance of the taking over Certificate and the DR Board's issuance of its Recommendations on all disputes referred to it.

6. DR Board Member, shall not assign or subcontract any of their work under this Agreement

7. The DR Board Members are independent and not employees or agents of either the Employer/ Board or the Contractor.
8. The DR Board Members are absolved of any personal or professional liability arising from the activities and the Recommendations of the DR Board.
9. Fees and expenses of the DR Board Member[s] shall be agreed to and shared equally by the Employer/ Board and the Contractor. If the DR Board requires special services, such as accounting, data research, and the like, both parties must agree and the costs shall be shared by them as mutually agreed
10. DR Board Site visits:
  - a) The DR Board shall visit the Site and meet with representatives of the Employer/ Board and the Contractor and the Engineer or Engineer's Representative at regular intervals, at times of critical construction events, and at the written request of either party. The timing of Site visit failing agreement shall be fixed by the DR Board.
  - b) Site meetings shall consist of an informal discussion of the status of the construction of the works followed by an inspection of the works, both attended by personnel from the Employer/ Board, the Contractor and the Engineer or Engineer's Representative.
  - c) If requested by either party or the DR Board, the Employer/ Board will prepare minutes of the meetings and circulate them for comments of the parties and the Engineer or Engineer's Representative.
11. Procedure for disputes referred to the DR Board :
  - a) If either party objects to any action or inaction of the other party or the Engineer or Engineer's Representative, the objecting party may file a written notice of Dispute to the other party with a copy to the Engineer or Engineer's Representative stating that it is given pursuant to Clause *[number]* and stating clearly and in detail the basis of the dispute.
  - b) The party receiving the notice of Dispute will consider it and respond in writing within 7 days after receipt.
  - c) This response shall be final and conclusive on the subject, unless a written appeal to the response is filed with the responding party within 7 days of receiving the response. Both parties are encouraged to pursue the matter further to attempt to settle the dispute. When it appears that the dispute can not be resolved without the assistance of the DR Board either party may refer the dispute to the DR Board by written Request for Recommendation to the

Board, the other party and the Engineer or Engineer's Representative stating that it is made pursuant to (*insert relevant clause no.*).

- d) The Request for recommendation shall state clearly and in full detail the specific issues of the dispute to be considered by the DR Board.
- e) When a dispute is referred to the DR Board, and the DR Board is satisfied that the dispute requires the DR Board's assistance, the DR Board shall decide when to conduct a hearing on the dispute. The DR Board may request that written documentation and arguments from both parties be submitted to each DR Board Members before the hearing begins. The parties shall submit insofar as possible agreed statements of the relevant facts
- f) During the hearing, the Contractor, the Employer/ Board, and the Engineer or Engineer's Representative shall each have ample opportunity to be heard and to offer evidence. The DR Board's Recommendations for resolution of the dispute will be given in writing, to the Employer/ Board, the Contractor and the Engineer or Engineer's Representative as soon as possible, and in any event not more than 28 days after the DR Board's final hearing on the dispute.

## 12 Conduct of Hearings:

- a) normally hearing will be conducted at the Site, but any location that would be more convenient and still provide all required facilities and access to necessary documentation may be utilised by the DR Board. Private sessions of the DR Board may be held at any location convenient to the DR Board,
- b) The Employer/ Board, the Engineer or Engineer's Representative and the Contractor shall have representatives at all hearings.
- c) During the hearings, no DR Board Member shall express any opinion concerning the merit of any facet of the case.
- d) After the hearing is concluded, the DR Board shall meet privately to formulate its Recommendations. All DR Board deliberations shall be conducted in private, with all individual views kept strictly confidential. The DR Board's Recommendations, together with an explanation of its reasoning shall be submitted in writing to both parties and to the Engineer or Engineer's Representative. The Recommendations shall be based on the pertinent contract provisions, applicable laws and regulations, and the facts and circumstances involved in the dispute.

The DR Board shall make every effort to reach a unanimous



Recommendation. If this proves impossible, the majority shall decide and the dissenting member any prepare a written minority report for submission to both parties.

[ Note: Delete if it is one member DR Board]

13. If during the contract period, the Employer/Board and the Contractor are of the opinion that the Dispute Review Board is not performing its functions properly, the Employer/Board and the Contractor may together disband the Disputes Review Board. In such an event, the disputes shall referred to Arbitration straightway.

The Employer / Board and the Contractor shall jointly sign a notice specifying that the DR Board shall stand disbanded with effect from the date specified in the notice. The notice shall be posted by a registered letter with AD or delivery of the letter, even if he refuses to do so.

**DETAILS OF ONGOING CONTRACTS AT NEW MANGALORE PORT AUTHORITY  
BEYOND 30.11.2022**

Sl no	Work Order Description	Work Order no. & date	Work Order Value	Department which has issued the Work order	Date of completion as per work order

Sign & Seal of the Contractor

**VERIFICATION OF LOCAL CONTENT**

Name of the work	Bidder shall enter, the % of Local Content (%)
<b>PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA</b>	

Sign & Seal of the Contractor

**UNDERTAKING ON INDEMNIFICATION**

We \_\_\_\_\_ (Bidders Name ) hereby agree and undertake to indemnify, keep indemnifies, depended and hold harmless the NMPA and its Officers against all losses, penalties, costs and expenses, duties of any kind whatsoever which may arise on account of breach un-authorized act, fraud deed or any other acts of ours or any of our personnel. We hereby further agree and undertake to indemnify and keep indemnifies against any order passed by any executive, quasi judicial or judicial authority wherein the NMPA is compelled to obey the order which arise due to breach of contract by us.

We \_\_\_\_\_(Bidders name ) shall indemnify, protect and defend at our own cost, New Mangalore Port Authority and its agents & employees from & against any/all actions, claims, losses or damages arising out of;

- i. Any violation in course of execution of the contract of any legal provisions or any right of third parties.
- ii. Failure to exercise the skill and care required for satisfactory execution of the contract.
- iii. Shall indemnify NMPA against all claims for compensation by or on behalf of any workman employed by us in connection with the contract, for injury or death by accident under the Workman Compensation Act (Act VIII of 1923) as amended from time to time.

We \_\_\_\_\_(Bidders name ) shall be responsible for all commissions and omissions on part of manpower engaged for the purpose. NMPA shall not be responsible in any manner whatsoever, in matters of injury/death/health etc. of our employees performing duties under the contract.

We \_\_\_\_\_(Bidders name ) hereby undertake that ,

- a. The workforce deployed under this contract will be provided with all the necessary safety gears and equipment for the job.
- b. Bidder/deployed staffs will follow all the required safety procedures while executing the job.

Sign and Seal of the Bidder/ Bidders Authorized representative

**INDEMNITY BOND**

(To be furnished in Stamp paper not less than Rs.100 e-Stamp paper)

This deed of indemnity is executed by ..... herein after referred to as 'Indemnifier' which expression shall unless repugnant to the context or meaning thereof, include its successors, Administrator, representatives and assignees in favour of New Mangalore Port Authority, Panambur, Mangalore 575010, herein after referred to as 'Indemnified' which expression shall unless repugnant to the context or meaning thereof include its representatives and assignees witnesses as to.

Whereas the indemnified herein as awarded to the indemnifier herein a Tender/Contract or for supply of / Construction of ..... on terms and conditions set out interalia in the work order No..... valued at Rs.....

AND Whereas, the clauses No..... of the above mentioned work order provides for indemnifying the indemnified by the indemnifier for any accident, damage or compensation payable to any workmen or other person in the employment of the contractor or any sub contractor during the period of tender/contract.

AND Whereas, the Indemnifier hereby irrevocably agrees to indemnify the indemnified against all damages or compensation payable at law in respect of or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or sub-contractor against all claims, demands, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto and the indemnified shall be at liberty to deduct or adjust from the bills payable to the indemnifier by the indemnified for an amount that the indemnified may be called upon to pay towards claims, demands, proceedings, costs, charges and expenses whatsoever in respect of or in relation to any accident or injury referred to above without any reference to the indemnifier.

The Indemnifier shall comply with all the Central State and Muncipal Laws and Rules and shall be solely responsible for complying with the provisions of the Contract Labour (Regulations & Abolition) Act, 1970 & the contract labour (Regulation & Abolition) Karnataka Rules 1974 and rules there under and the enactments that may be applicable including ESI Act, the payment of wages act, Provident Fund Act, the Minimum Wages Act, the Factory's Act, the Workmen Compensation Act or any other applicable legislation and the Muncipal by-laws or other statutory Rules and Regulations whatsoever in force if these are applicable. Any obligations finding or otherwise missed under any statutory enactments rules & regulations there under shall be the responsibility of the Indemnifier and the Indemnified will have no responsibility for the same. The Indemnifier shall obtain Workmen's Compensation Policy for his workers, who are not covered under ESI and submit the same to the ESIC immediately after commencement of the work.

The Indemnifier is liable to pay all Statutory Compensation to the Labourers / persons engaged by him for the satisfactory execution of the works. If any claim is made against Indemnified arising out of this work, the Port shall have the right to deduct the same from the bill amount payable to the Indemnifier after verification of the validity and if admissible as per rules.

The Indemnifier shall 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.

In addition to complying of the above, the Indemnifier hereby undertakes to indemnify the indemnified against any unforeseen incidents / accidents, which may lead to fatality including death, permanent/ partial disablement, injury, financial loss, legal issues or any other etc of the labourers / workmen's/ staffs of the contractor / sub-contractor for which the indemnified and its officers / representation are in no way responsible.

For.....

INDEMINIFIER

(Signature with Name and Designation)

Company Seal

Station:

Date:

Witness:

1.....

Signature with Name, Designation & Address

2.....

Signature with Name, Designation & Address

PRE CONTRACT INTEGRITY PACT AGREEMENT

General

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on \_\_\_\_ day of the month of \_\_\_\_\_20\_\_, between, on one hand, the Board of Trustees of New Mangalore Port Trust acting through\_\_\_\_, Chief Engineer (Civil), (Name & Designation of the Officer) New Mangalore Port Trust (hereinafter called the 'BUYER/EMPLOYER', which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s\_\_ represented by Shri \_\_\_\_\_, Chief Executive Officer (hereinafter called the 'BIDDER' which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the 'BUYER/EMPLOYER' has invited bids for “(name of work)”. and the BIDDER is submitting his bid for the same and WHEREAS the BIDDER is a Private company / Public company / Government undertaking / registered partnership firm, constituted in accordance with the relevant law in the matter and the 'BUYER/EMPLOYER' is New Mangalore Port Trust.

NOW, THEREFORE, To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

Enabling the 'BUYER/EMPLOYER' to obtain the desired said stores/equipment/services/works at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the 'BUYER/EMPLOYER' will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

**Commitments of the 'BUYER/ EMPLOYER'**

The 'BUYER/EMPLOYER' undertakes that no official of the 'BUYER/EMPLOYER', connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

The 'BUYER/EMPLOYER' will, during the pre-contract stage, treat all BIDDERS alike and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.

All the officials of the 'BUYER/EMPLOYER' will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the 'BUYER/ EMPLOYER' with full and verifiable facts and the same is prima facie found to be correct by the 'BUYER/EMPLOYER' necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the 'BUYER/ EMPLOYER' and such a person shall be debarred from further dealings related-to the contract process. In such a case while an enquiry is being conducted by the 'BUYER/ EMPLOYER' the proceedings under the contract would not be stalled.

#### **Commitments of BIDDERS**

2. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following.:-

The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage,

commission, fees, brokerage or inducement to any official of the 'BUYER/EMPLOYER' connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the 'BUYER/EMPLOYER' or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Government.

BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.

The BIDDER further confirms and declares to the 'BUYER/EMPLOYER' that the BIDDER has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the 'BUYER/EMPLOYER' or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends



to make to officials of the 'BUYER/ EMPLOYER' or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the 'BUYER/ EMPLOYER' as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the 'BUYER/EMPLOYER' or alternatively, if any relative of an officer of the 'BUYER/EMPLOYER' has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the

'BUYER/EMPLOYER'.

#### 4 Previous Transgression

- a. The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify bidder's exclusion from the tender process.
- b. The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

#### 5 Earnest Money (Security Deposit)

While submitting commercial bid, the BIDDER shall deposit an amount as Earnest Money/Security Deposit, with the 'BUYER/EMPLOYER' through any of the following instruments:

- i. Paid by RTGS in favour of FA&CAO, NMPA
- b. The Earnest Money/Security Deposit shall be valid upto a period of 148 days or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the 'BUYER/EMPLOYER', including warranty period, whichever is later.
- c. In case of the successful BIDDER, a clause would also be incorporated in the Article pertaining to Performance Security in the Project Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Security in case of a decision by the 'BUYER/EMPLOYER' to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- d. No interest shall be payable by the 'BUYER/EMPLOYER' to the BIDDER on Earnest Money/Security Deposit for the period of its currency.

#### 3. Sanctions for Violations

Any breach of the aforesaid provisions by the BIDDER

or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the 'BUYER/EMPLOYER' to take all or any one of the following actions, wherever required:-

- i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- ii) The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the 'BUYER/EMPLOYER' and the 'BUYER/ EMPLOYER' shall not be required to assign any reason therefore.
- iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- iv) To recover all sums already paid by the 'BUYER/EMPLOYER', and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the 'BUYER/EMPLOYER' in connection with any other contract, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- v) To encash the advance bank guarantee and performance

bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the 'BUYER/EMPLOYER', along with interest.

- vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall, be liable to pay compensation for any loss or damage to the 'BUYER/EMPLOYER' resulting from such cancellation/rescission and the 'BUYER/EMPLOYER' shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- vii) To debar the BIDDER from participating in future bidding processes for a minimum period of five years, which may be further extended at the discretion of the 'BUYER/EMPLOYER'.
- viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the 'BUYER/EMPLOYER' with the BIDDER, the same shall not be opened.

Forfeiture of Performance Guarantee in case of a decision by the 'BUYER/ EMPLOYER' to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

The 'BUYER/EMPLOYER' will be entitled to take all or any of the actions mentioned at para 6.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of

corruption.

The decision of the 'BUYER/EMPLOYER' to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent Monitor(s) appointed for the purposes of this Pact.

#### 4. Fall Clause

7.1. The BIDDER undertakes that it has not performed/is not performing similar project at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar project was performed by the BIDDER in any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the 'BUYER/EMPLOYER', if the contract has already been concluded.

#### 5. Independent Monitors

The 'BUYER/EMPLOYER' has appointed the following Independent Monitor (hereinafter referred to as Monitor) for this Pact in consultation with the Central Vigilance Commission  
Name and Address of the Monitor:

**Shri Prem Chand Pankaj, Ex-CMD, NEEPCO,  
M402, Pioneer Park, Sector 61, Golf Course,  
Extn Road, Gurgaon  
(Mob : 9717433886)  
E-Mail ID : [prempankaj@gmail.com](mailto:prempankaj@gmail.com)**

The task of the Monitor shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

The Monitor shall not be subject to instructions by the representatives of the parties and perform his functions neutrally and independently.

Both the parties accept that the Monitor has the right to access all the documents relating to the project/bidding, including minutes of meetings.

As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the 'BUYER/EMPLOYER'.

The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the 'BUYER/EMPLOYER', including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.

The 'BUYER/EMPLOYER', will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

The Monitor will submit a written report to the designated Authority of 'BUYER/EMPLOYER' within 8 to 10 weeks from the date of reference or intimation to him by the BUYER / EMPLOYER / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

#### 6. Facilitation of Investigation

In case of any allegation of violation of any provisions of this pact or payment of commission, the 'BUYER/EMPLOYER' or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

#### 7. Law and Place of Jurisdiction

This Pact is subject to Indian Law.' The place of performance and jurisdiction is the seat of the 'BUYER/EMPLOYER'.

#### 8. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

9. Validity

The validity of this Integrity Pact shall be from date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the 'BUYER/EMPLOYER' and the BIDDER, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

If the BIDDER is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

2. The parties hereby sign this Integrity Pact at \_\_\_\_ on \_\_

BUYER/EMPLOYER

BIDDER

Name of the Officer  
OFFICER and Designation

CHIEF EXECUTIVE

Witness

Witness

Provisions of these clauses would need to be amended/ deleted in line with the policy of the BUYER/ EMPLOYER in regard to involvement of Indian agents of foreign bidders.

**COUNTRY SHARING LAND & BORDER DECLARATION**

Bidder shall be Individual/ firm/ company/ corporate / LLP / HUF / limited company/consortium intending to bid should be Bonafide, experienced, technically competent, resourceful and financially sound to carry out the assigned order.

\*Any bidder from a country which shares a land border with India will be eligible to bid in the tender only if the bidder is registered with the Competent Authority (The Registered Committee constituted by the Department for Promotion of Industry and Internal Trade)

Sealed & Signed Annexure – 14 on company’s letter head.

**e-Tender No.  
(To be submitted on the letterhead)**

**DECLARATION**

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I hereby certify that M/s ..... is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that M/s ..... fulfills all requirements in this regard and is eligible to be considered.” (Where applicable, evidence of valid registration by the Competent Authority shall be attached)

I, the undersigned, declare that the item ..... originate in ..... (Name of the country).

Signature \_\_\_\_\_

Name-----

Designation-----

Date-----

Stamp of the Organization-----



**COUNTRY OF ORIGIN DECLARATION**

Declaration from Bidder on all products proposed in this tender has to mention country of Origin and BIS certificate details has to be mentioned as per Annexure 15.

**Country of Origin**

Letter no:

Date:

To,

Tender Inviting Authority,  
New Mangalore Port Trust  
Mangalore

Dear Sir

Sub: Country of origin.

Ref: Tender Reference No.:

We M/s ..... company hereby confirm the following products quoted for the subject tender And their country of origin, respectively.

SL NO	MAKE & MODEL NUMBER	COUNTRY OF ORIGIN	BIS CERTIFICATE

Please feel free to revert to the undersigned for any further clarifications.

Yours faithfully,

Signature \_\_\_\_\_

Name-----

Designation-----

Date-----

Stamp of the Organization-----

**PRE-QUALIFICATION OF BIDDERS****PAYMENT RECEIPT DETAILS OF**

**M/s** \_\_\_\_\_ **(firms name) CERTIFIED BY**  
**STATUTORY AUDITOR**

Name of the Work: **PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA**

Details of payment received for the completed similar work (For similar work, please refer Clause No.2.4.2 of ITB) during the last seven years:

Sl. No	Name of Work (i)	Work Order No. and Date (ii)	Extension orders to the work order mentioned at SNo.(ii) if any with order No and date.	Completion certificate No & date (iii)	Period of contract as per the Work order (iv)	Actual period of contract (including extensions if any) (v)		Final completed Value as per the completion certificate (Excl. of GST, ESI & PF) (vi)	Name and contact details of the client (vii)
						From	To		
1									
2									
3									

I hereby **declare** that the information **given** in this Annexure-16 is true and correct to the best of my knowledge and belief and have been furnished duly verifying the documents submitted by the bidder.

Name of the Statutory Auditor:

Signature & Seal of the Statutory Auditor

UDIN No:

Ph. No:

Email ID:

**NOTE:**

- a. The bidder has to submit the details of payments received for the works executed in **Annexure-16** in full, duly signed and sealed by the statutory auditor with the UDIN number. In case any information in this annexure is found to be false or incorrect, that particular work shall not be considered for evaluation. Further, in case of false certification by the statutory auditor, same shall be informed to the Institute of Chartered Accountants of India (ICAI), for necessary action deemed fit.
- b. 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, for the contracts mentioned at Annexure 16. If the bidders does not enclose LOA/work order/agreements/completion certificates along with the Technical bid, as desired for any of the works mentioned at Annexure 16, that particular work shall not be considered for further evaluation. The Bidder shall also enclose detailed BOQ with rates and scope of work supporting the LOA/work order/agreements/completion certificates submitted as per Annexure 16. TDS certificate clearly showing the tax deduction from client for related work orders/agreements shall be produced for verification.  
**Note:** The BOQ & scope of work supporting the LOA/work order/agreements should have Clients endorsement.
- c. The works declared by the bidder in **Annexure - 16** only shall be considered for technical qualification of the bidders. **LOA/Work orders/agreements other than the ones mentioned in this Annexure-16 shall not be considered for evaluation, even if they have been uploaded along with the technical bid. Bidder shall not have any claim on this account later on.**
- d. Additional sheets may be used if necessary.

**Site Visit Confirmation**

I, **(Name of representative)**, **(designation)** from/on behalf of M/s .....**(Firm/Company Name)** have visited the site on..... and well acquainted with the site conditions, where the entire system to be commissioned.

Seal & Signature of the representative of the Company.

Certification by Executive Engineer (E), NMPA

## BILL OF QUANTITIES

Name of Work: PROVIDING VEHICLE SURVEILLANCE SYSTEM AND ANPRS INCLUDING CAMC AND ONSITE SUPPORT AT MALLYA GATE NMPA

SL.NO.	TASK NAME	Qty	UOM		
	PART I: SUPPLY & INSTALLATION			Rate	Amount
<b>1</b>	<b>Cameras</b>				
a	5MP Vari-Focal Lens Bullet Camera	16	Nos		
b	5MP Vari-Focal Lens Dome Camera	4	Nos		
c	64GB Micro SD card	20	Nos		
d	Cameras lenses as per site condition & accessories	16	Nos		
e	Horn Speaker with Accessories	4	Nos		
f	VMS License for New Cameras	4	Nos		
<b>2</b>	<b>ANPR LICENSE</b>				
a	Automated Number Plate Recognition (ANPR) analytics license	4	Nos		
b	Driver Image capture	4	Nos		
c	Dashboard for showing ANPR, Vehicle image, Driver Image details	1	Nos		
d	Video Analytics Platform which includes camera health monitoring, object / video / forensic search, map view, zoom function and other value-added services as per the datasheet	1	Nos		
e	Installation and commissioning (Online support)	1	LMS		
<b>3</b>	<b>SERVERS &amp; WORKSTATION</b>				
a	<b>SERVER:</b> Intel Xeon Silver 4314, 2.4Gh,16Core Dual processor,16GBx4 Nos (64GB),480GB <b>SSDx2 Nos, 6TB SAS x 12 nos</b> HDD,Dual Hot plug power supply 1400Watts,10G x2 Nos LAN Card & 2 Nos of 1G Lan Card, LINUX OS. <b>Graphic Card: 8 GB graphic memory or better</b>	<b>1</b>	Nos		
b	<b>SERVER:</b> Intel Xeon Silver 4314, 2.4Gh,16Core Dual processor,16GBx4 Nos (64GB),480GB SSDx2 Nos, HDD,6TB SAS X12Nos Dual Hot plug power supply 1400Watts,10G x2 Nos LAN Card & 2 Nos of 1G Lan Card, <b>windows 2019 Std, Graphic Card: 8 GB graphic memory or better</b>	1	Nos		
c	Workstation - Client Viewing, Core i7 with minimum 11 Gen and above, 48Gb Ram, 6GB Graphic card, windows 11 pro 64Bit OS with 1TB SSD Drive + 6TB SATA DRIVE with Dual Monitor support, 1G Ethernet Port, 1 Year Warranty.	<b>5</b>	Nos		
d	24" Full HD LED Monitor	4	Nos		
e	55" Display Unit	4	Nos		

f	Antivirus	20	Nos		
<b>4</b>	<b>UVSS</b>				
a	SITC of UVSS System for 4 Wheelers with One ANPR & One Driver Image Capturing Camera - Complete with PC, Display, Switch, Cable, Rack, 2 Nos Mounting Poles & Accessories	2	Nos		
b	SITC of UVSS System for Trucks with One ANPR & One Driver Image Capturing Camera & 4 Additional Viewing Cameras - Complete with PC ,Display , Switch, Cable, Rack, 2 Nos Mounting Poles & Accessories	2	Nos		
c	SITC - LED Traffic Signals - Red/Green 9" Dia Integrated with UVSS	4	Nos		
d	Central Management Server with Integration of UVSS, ANPR , DI & Additional Cameras with Local & Central Storage - Further Open integration with VMS System & Other Access Control Devices - Cost Includes Server & The Application	1	Nos		
<b>5</b>	<b>NETWORKING &amp; ACCESSORIES</b>				
a	Layer 24 Port PoE Switch	5	Nos		
b	10 G SFP	4	Nos		
c	42U RACK with Accessories	1	Nos		
d	15U Rack with Accessories	4	Nos		
	Wireless Device				
e	Gigabit Surge Suppressor (56V), 10/100/1000 BaseT	2	Nos		
f	Integrated 5 GHz (ROW) with EU Line Cord	2	Nos		
g	CABLE, UL POWER SUPPLY CORD SET	2	Nos		
<b>6</b>	<b>UPS</b>				
a	10KVA UPS single phase with Isolation transformer UPS with battery Rack & link.	1	Nos		
b	2 Hours battery Backups using 100AH* 20 Nos SMF Battery 3 years warranty	1	Nos		
<b>7</b>	<b>Passive Components SUPPLY:</b>				
a	6 Mtrs Pole tubular Galvanised & Pole Foundation of Civil Work	4	Nos		
b	Bullet Cameras Bracket & Camera Box	20	Nos		
c	<b>Passive Materials:</b> 24Port STP Patch Panel x4, Cat 6 I/O'sx30, 12Port LIU SM Fully Loaded x2, OFC patch Cord 3 Mtrs LC to SCx12, Distribution Board 8Way TPN DB Horizontal x1, 25 Amps double Pole MCBx24, 4 Pole MCBx1, 32amps double Pole & Enclosure x4, RJ 45 Connectors Cat 6 STP Connector x400, OFC Termination x4.	1	LUMSUM		

d	12 Core OFC Armoured Cable OS2	3000	Mtrs		
e	Cat6A STP Lan Cable	2700	Mtrs		
f	3 Core 2.5 sqmm Armoured Cable Copper	400	Mtrs		
g	100mm Ga Pipex600 Mtrs, 32/40" Dia HDPE pipe with rope wire with Caller,Bendx4000 Mtrs.	1	LUMSUM		
h	<b>Electrical Accessories:</b> Power Distribution board for Pole & Rack Endx2, Sadals 2" inchx200,Gatta, POP Screw 3/4, Insulated Tapes, 1" Inch PVC Pipex200 Mtrs, Bend, Caller, 11/5" Clips double side nailsx200, Industrial Flexible pipe 40mmx50 Mtrs, Power Distribution Box 16amps MCBx 26, 150x150 Metal Tray with Closurex300 Mtrs, Naming Plates 2 feet CCTV LAN/OFC & CCTV LT-PWR CABLE Each 300 nosx300,80x80 struffx100.	1	LUMSUM		
i	<b>Earthing KIT &amp; Accessories:</b> For 10 Kva UPS: 2x2 feet 6mm copper Platex3, 10Feet 40mmGA Pipex3,10 Feet 20mm Ga Pipex3, 25/5 Copper Stripx15Mtrs, 6mm Copper bolt & Nut 1 1/2" Inch with double washerx15, Charcoal, Salt, Sand, 20mm Water Funnel, Earthing Plate Chamber 2 feet X 2feetx3, 13 feet Excavation & Refillingx3 with required Civil Work.	1	LUMSUM		
<b>8</b>	<b>LABOUR CHARGES</b>				
a	Digging & Refilling 1 Mtrs depth on concrete/Road Cutting or Hard /Soft soil Digging & Refilling 1 Mtrs depth as per Site Condition.	1	LUMSUM		
b	Lan Cable Laying with necessary Electrical Items	2700	Mtrs		
c	OFC Cable Laying with necessary Electrical Items	3000	Mtrs		
d	Power Cable Laying with necessary Electrical Items	400	Mtrs		
e	Documentation , Testing Report, Tagging, Labelling with Training with Existing Cameras remove & Reallocation new Camera Fixing Charges. This also includes any other works, which requires for commissioning of the entire system.	1	Nos		
	<b>PART II: CAMC Post Supply &amp; Installtion.</b>				
9	<b>CAMC for 4 Years after Completion of 1st Year Supply Warranty</b>				
1	2nd Year	12	Months		
2	3rd Year	12	Months		
3	4th Year	12	Months		
4	5th Year	12	Months		
	<b>PART III: ONSITE ENGINEER</b>				
10	Onsite Resident Engineer for 5 Years.				

1	1st Year	12	Months		
2	2nd Year	12	Months		
3	3rd Year	12	Months		
4	4th year	12	Months		
5	5th Year	12	Months		

**Note:**

1. Applicable GST shall be mentioned separately.
2. L1 will be considered based on **BOQ** exclusive of GST.
3. It is advised to visit the site and to get acquainted with the site conditions before quoting for the subject work.
4. The rates for part-II shall be quoted for per month basis. The rate for part-III shall be quoted for Rate/month basis.



**PART- IV**

**NMPA BANK DETAILS**

**Name of the Payee:**

**The FA & CAO, NMPA, Panambur, Mangalore** for remitting Tender fee through NEFT / RTGS.

1	Name of the bank	State Bank of India, Panambur, Mangalore -575 010
2	Bank Account no.	10205649448
3	IFSC Code.	SBIN0002249
4	MICR Code.	575002011

## CHECK LIST

## PART – V

**Tender No:** EE-I/ESD-I/A/2022-23/07/12

**Dated:**07/12/2022

### SCHEDULE FOR CHECKLIST OF DOCUMENTS TO BE UPLOADED ALONG WITH TECH NO-COMMERCIAL BID

DETAILS OF DOCUMENT TO BE SUBMITTED			YES	NO
<b>TECHNICAL BID</b>	1	EMD & Tender fee or supporting document for exemption of EMD /Tender Fee as per clause 2.2.1 (n)		
	2	Supporting documentary evidence of work orders and satisfactory completion certificate issued by the client duly self attested and TDS certificate of the supporting work.		
	3	Copies of profit and loss Account statements, balance sheet and Auditor's report for the last three years, endorsed by Chartered Accountant with attestation.		
	4	Certificates a) GST Registration Certificate. b) Pan card copy c) ESI Registration Certificate d) PF Registration Certificate		
	5	Tender Document, sealed and signed by the bidder along with Pre-bid replies, Corrigendum/Addendums if any.		
	6	a) Annexure – 1 -Particulars of Bidder. b) Annexure – 2 – Tender Form c) Annexure –5 – Format of Declaration d) Annexure – 6 –Power of Attorney e) Annexure – 7 – Bank information for E-payment f) Annexure 8 - Dispute review Board agreement g) Annexure –9–Details of ongoing Contracts at NMPA h) Annexure – 10- Verification of Local Content i) Annexure – 11- Undertaking on indemnification j) Annexure- 12 Indemnity Bond k) Annexure-13 Pre contract integrity port l) Annexure - 14 Country Sharing Land & Border Declaration m) Annexure - 15 Country Of Origin Declaration n) Annexure-16 PAYMENT RECEIPT DETAILS CERTIFIED BY STATUTORY AUDITOR o) Annexure-17 Site visit Confirmation		
	7	a) Technical Specification for the items as mentioned in Clause No. 5.6 with company brochures/Catalogue. b) Manufacturer Authorization form for the items as mentioned in Clause No. 5.7. c) List of offered makes & models for the items as mentioned in Clause No. 5.8.		
		Self Declaration document regarding the OEM of the items under the contract not being banned or blacklisted in any country.		
<b>PRICE Bid</b>	PART-III - Price Schedule (Online Mode Only)			