



V.O. CHIDAMBARANAR PORT AUTHORITY

Tender No. MEE/ELEC0DOSA/2/2025/Mech SE1/7566

e - TENDER

for

Upgradation of Illumination Level at Dock Area including Comprehensive Annual Maintenance Contract (CAMC) for the period of five years after completion of the two years Guarantee period at VOCPA -reg

Online submission closing date: 15.00hrs. on 29.09.2025

Online Opening date: 15:30 hrs. on 30.09.2025

<https://etenders.gov.in/eprocure/app>

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SECTION- I

NOTICE INVITING TENDER (NIT)

- 1.1 V.O. Chidambaranar Port Authority invites electronic tenders (Two Cover System) from eligible bidders for the work **“Upgradation of Illumination Level at Dock Area including Comprehensive Annual Maintenance Contract (CAMC) for the period of five years after completion of the two years Guarantee period at VOCPA”**
- 1.2 A complete set of Tender documents may be downloaded by any interested Bidders from e-Tender web portal [https://etenders.gov.in/eprocure/ app](https://etenders.gov.in/eprocure/app) . The Bidder shall submit his bid in Central Public Procurement Portal (e-Procurement) at [https://etenders.gov.in/eprocure/ app](https://etenders.gov.in/eprocure/app) by following the procedure of Instruction to Bidder (Section - II). Non-submission of Bid along with relevant documents shall lead to rejection of the tender.
- 1.3 Salient features of the Bid:

Tender No.	<u>MEE/ELEC0DOSA/2/2025/Mech SE1/7566</u>
Tender Type	Open online e-Tender
Tender Inviting Authority	Chief Mechanical Engineer, VOCPA
Address	V.O. Chidambaranar Port Authority, Harbour Estate, Tuticorin – 628 004, Tamil Nadu
Contact Details & Email	Tel. off: 0461-2372206, 0461-2352266, 0461-2352255 Email: cme@vocport.gov.in
Brief Work Description	Design, Supply, erection, testing and commissioning of 30Mtr High Mast towers along with luminaries, including shifting of existing high mast to achieve the illumination of 25Lux at operational area and 10 Lux at approach road area including Comprehensive Annual Maintenance Contract (CAMC) for the period of five years after completion of the two years Guarantee period.
Location of the work	VOCPA
Estimated Cost	Rs.13,28,09,563/- plus GST
Bid Validity	120 days from the date of opening of the Tender
EMD	Rs.26,56,200/- (Rupees Twenty-six lakhs fifty-six thousand and two hundred only). All bidders other than an MSEs should pay the EMD through online payment gateway mode in CPP e- Tender web Portal or shall submit the EMD in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or irrevocable & operative Bank Guarantee from any of the Scheduled Commercial Banks. The validity period of bid security

	<p>is to remain valid for a period of 45 (forty-five) days beyond the final bid validity period. Otherwise, his/her/their tender will be rejected. EMD in any other form shall not be accepted.</p> <p>The MSEs are required to furnish a relevant valid Certificate for claiming exemption. This valid certificate shall be uploaded in the Bid, failing which the Technical Bid shall not be evaluated. Similarly, bidders are required to upload scanned copies in the Bid in case payment of EMD in the form of Insurance Surety Bonds, account payee demand draft, fixed deposit receipt, banker's cheque or Bank Guarantee from any of the Commercial Banks, failing which the Technical Bid shall not be evaluated. The details of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks shall be received only after the bid opening date. If the originals are not received within 7 days of the bid opening date the bid may not be considered.</p>
Completion period of the Contract	Ten Months
Downloading of Tender documents start date	10.09.2025
Downloading of tender document end day	29.09.2025 up to 15:00 hours
Start date of seeking clarifications	Not Applicable
End date of seeking clarifications	Not Applicable
Pre-Bid Meeting	Not Applicable
Bid Submission end date & time	29.09.2025 at 15:00 hrs.
Bid opening date & time	30.09.2025 at 15:30 hrs.
Currency of Contract	INR
Language of Contract	English

1.4 Bidders fulfilling the following eligibility / pre-qualification criteria may participate in the tender:

a) **Financial Capability:**

Average Annual financial turnover during the last three years, ending 31st March of the previous financial year, should be at least 30% (Thirty per cent) of the estimated cost. The details shall be furnished by the bidder **on Form III of Annexure A.**

b) **Similar Work Experience:**

The bidder should have successfully completed similar work(s) as detailed below

during the last 07 years from the previous month of date of publication of the NIT with either of the following in any Central / State Government / Autonomous bodies / PSEs / PSUs / Public Limited or Private Limited Companies, Major / Minor Ports etc.

i) Three similar completed work each cost not less than the amount equal to 40% (Forty per cent) of the estimated cost.

(OR)

ii) Two similar completed work each costing not less than the amount equal to 50% (Fifty per cent) of the estimated cost.

(OR)

iii) One similar completed work costing not less than the amount equal to 80% (Eighty percent) of the estimated cost.

“Similar work” Definition

The term “Similar work” shall mean the contractor should have completed Design, Supply, Installation, testing and commissioning of 30 Mtr High mast lighting towers system with LT/HT Electrical Installation.

Scanned Copies of work order(s) and respective satisfactory completion(s) / performance certificate(s), the copies of illumination design executed by the contractor shall be furnished for fulfilment of similar work experience.

In case of experience other than Central / State Government / Autonomous bodies / PSEs/PSUs/ Public Limited Companies, the bidder has to submit TDS certificate for the past experience, only then the experience will be considered.

The above-said details shall be furnished by the bidder in Form **IV of Annexure A**.

1.5 Pre-qualification of Joint Venture/ Consortium:

1.5.1 In case of a JV / Consortium, the combined Technical and Financial Capability of those members who have and shall have an equity share of at least 26% (twenty-six per cent), should satisfy the conditions of eligibility / pre-qualification criteria as per **clause No.1.4**.

1.5.2 Similar Work Experience shall not be claimed by more than one member of a consortium. In other words, no double counting by a consortium in respect of the same experience shall be permitted in any manner whatsoever.

1.5.3 JV/ Consortium, members are “jointly and severally responsible and liable” for this contract. For pre-qualification, the JV / Consortium members should fulfill the criteria as specified in clause 1.4 as described below: -

a. Qualifying factors to be met collectively: (i) Similar Work experience as **per clause 1.4 b)** & (ii) Financial capability **as per clause 1.4 a)**

b. Qualifying factors for lead partner: (i) Similar Work experience **as per clause 1.4 b)** and (ii) Financial capability - not less than of 50 (fifty) per cent of the respective limits prescribed in **Sl.No.1.4 a)**.

- c. Qualifying factors for other members or partners: Same as for lead partner except that for the factor specified in 1.6.3 b (ii) above, a lower limit of 25 (twenty-five) per cent may be accepted.
- 1.5.4 Number of Joint venture Partners / Consortium members would be limited to three.
- 1.5.5 In case of the bidder being a newly formed JV, the lead partner shall have the relevant registration of GST, IT etc. The successful bidder shall submit the registration of GST, IT in the name of JV and the requirement of PF & ESI is to be complied with as per the statutory requirement.
- 1.6 Bidder should submit the Scanned copy of valid Electrical Contract license "ESB/"ESA"/"EA" grade issued by the Licensing Board.
- 1.7 The bidder should have (i) EPF registration certificate; (ii) ESI; (iii) Permanent Account Number [PAN]; (iv) Income Tax Return of preceding three years; and (v) GST Registration Certificate etc.
- 1.8 Other details can be seen in the Tender documents. The Bidders are advised to read the whole document carefully and submit their tender/bid strictly, meeting the requirements spelled out in the bid document.
- 1.9 The bid document is required to be submitted only through e-tender web portal <https://etenders.gov.in/eprocure/app>.
- 1.10 While e-tendering all the supporting documents as stated in Annexure A have to be signed in each and every page serially numbered along with seal and shall be uploaded by the Bidders. No hard copies need to be sent to the Authority.
- 1.11 The Authority will not be held responsible for any technical snag or network failure during online bidding.
- 1.12 The Authority reserves the right to cancel any or all bids without assigning any reason.
- 1.13 **Format and Signing of Bid:**

The Price Bid to be submitted on-line shall be signed digitally by a person or persons duly authorized to sign on behalf the Bidders. The Bid shall contain no alternations additions, except those to comply with instructions issued by the Employer.

Contacts:

1. The Chief Mechanical Engineer
Mechanical & Electrical Engineering Department,
V.O. Chidambaranar Port Authority,
Tele:0461-2352270
Email: cme@vocport.gov.in
2. The Deputy Chief Mechanical Engineer
Mechanical & Electrical Engineering Department,
V.O. Chidambaranar Port Authority,
Tele: 0461-2352270
Email: niharranjanbhoi@vocport.gov.in

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3. The Superintending Engineer (Electrical),
Mechanical & Electrical Engineering Department,
V.O. Chidambaranar Port Authority,
Tele: 0461-2372266.
Email:selvaraj.b@vocport.gov.in

Sd/-

Chief Mechanical Engineer
V. O. Chidambaranar Port Authority

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SECTION II

INSTRUCTION TO BIDDERS

2.1 e-TENDER NOTICE:

- 2.1.1** e-Tenders (Online) are invited in the “**TWO COVER**” system on behalf of **V.O. CHIDAMBARANAR PORT AUTHORITY (VOCPA)** from interested, reputed and experienced eligible bidders for the work as mentioned in the **Notice Inviting Tender (NIT) Section-I**. The bidder must fulfill the eligibility criteria and other requirements stipulated in the bid document.
- 2.1.2** Bid document having all details are available at the URL of the e-Tender web portal <https://etenders.gov.in/eprocure/app> or at the Port website www.vocport.gov.in for downloading during the period specified in the **NIT(Section-I)**. The completed bid documents are required to be submitted only through online (e-mode) offered on the e-Tender web portal <https://etenders.gov.in/eprocure/app>. Bids in any other manner will be rejected, and no correspondence on such matter will be entertained. No bids shall be accepted off-line.

2.2 PARTICIPATING IN THE TENDER IN THE E-PROCUREMENT PORTAL:

- 2.2.1** The intending Bidders are required to register on the e-Tender web portal <https://etenders.gov.in/eprocure/app> (If not already registered) by clicking “Online Bidder Enrollment” option in order to obtain user-id and password and then to activate their respective user-id by using Digital Signature Certificate (Class-III). The bidders will have to accept, unconditionally, the online user portal agreement which contains all the terms and conditions of NIT including commercial and general terms and conditions and other conditions, if any, along with an online undertaking in support of the authenticity of the declarations regarding facts, figures, information and documents furnished by the bidder online; The bidder shall visit the homepage of the e-tender portal for getting information to be followed for bidding in the e- tender portal.
- 2.2.2** Any prospective bidder can view or download the bid documents from the e-Tender web portal <https://etenders.gov.in/eprocure/app> during the period as indicated in NIT / home page of portal.
- 2.2.3** In the case of any failure, malfunction, or breakdown of the electronic system used during the e- Procurement process, the Tender Inviting Authority shall not accept any responsibility for such failures or breakdowns other than in those systems strictly within their own control.

2.3 ELIGIBLE BIDDERS:

- 2.3.1** All eligible bidders meeting the eligibility criteria as defined in NIT (Section-I) can participate in the tender.

2.3.2 Bidder means any eligible person or firm or company; Please refer to Special Condition of Contract (SCC) for applicability of Joint Venture / Consortium.

2.3.3 Bidders who have been non-performing / debarred / blacklisted by any Purchaser / Employer / Client at the time of bidding shall not be allowed to participate in this tender.

2.4 COST OF BIDDING:

The Bidder shall bear all costs associated with site visit(s), pre-bid / post bid conference(s), preparation, and submission of his Bid, opening of price bid and VOCPA will in no case be responsible or liable for those costs regardless of the conduct or outcome of the bidding process.

2.5 LOCAL CONDITIONS:

2.5.1 It will be imperative for each Bidder to fully inform himself of all local conditions and factors which may have an effect on the execution of the works covered under the bidding documents and specifications. VOCPA will not entertain any request for clarifications from the Bidders regarding such local conditions.

2.5.2 It must be understood and agreed that such factors have properly been investigated and considered while submitting the bid. Neither any change in the time schedule of the contract nor any financial adjustments arising thereof which are based on the lack of such clear information, its effect on the cost of the works to the Bidder shall be permitted by the VOCPA. No claim for financial adjustment to the contract awarded under these specifications and documents will be entertained by the VOCPA.

2.6 SITE VISIT:

2.6.1 The Bidder, at the bidder's own responsibility and risk are encouraged / advised to carry out the site visit to VOC Port at their own cost for the intended work and to inspect / examine & assess the site condition and its surroundings and satisfy themselves prior to submission of his bid.

2.6.2 In general, they themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A Bidder shall be deemed to have full knowledge of the site, whether he inspects it or not and no extra charges arising out of any misunderstanding or otherwise shall be allowed. Bidders shall submit a realistic offer for the execution of the work at their own cost without any liability on VOCPA.

2.6.3 It is implied that on submission of the bid/tender, the Bidder is deemed to have read the Tender document, clearly understood & satisfied himself regarding terms & conditions, scope of work and technical specifications of the work & services to be executed, local conditions and other factors likely to be encountered & having a bearing on the execution of work thereof. The price quoted in the **Cover B – Price bid** is adequate and all-inclusive with respect to all factors, circumstances, and conditions likely to be incidental, both direct and indirect, to the work and services mentioned in the subject tender.

2.7 PRE-BID MEETING

A pre-bid meeting will be conducted on the date & time as specified in NIT (**Section – I**) through hybrid mode. Interested bidders can participate in the pre-bid meeting physically or through the VC link uploaded in the CPP portal and Port website.

2.8 UNDERSTANDING AND CLARIFICATION ON BIDDING DOCUMENTS:

A prospective bidder requiring clarification regarding discrepancies or omissions in the tender documents or in doubt as to the true meaning of any part, may send queries at once in writing / email / through e-tender portal, provided the queries are raised during the period as mentioned in the NIT / home page of portal. Any queries received after the due date shall not be considered and no reply to such queries will be given. Replying to queries shall be given by VOCPA only if the queries requested are considered appropriate by VOCPA. Verbal clarifications and information given by the VOCPA or his employee(s) or his representative(s) shall not in any way be binding on the VOCPA.

2.9 AMENDMENT TO BID DOCUMENTS:

- 2.9.1** At any time prior to the due date & time of opening of bids, VOCPA may, for any reason, whether at its own initiative or in response to a clarification sought by any prospective bidder, modify the bidding documents, bidding process, terms & conditions, specifications, etc. by issuing Corrigendum and/or Addendum.
- 2.9.2** Any Corrigendum and/or Addendum thus issued shall be part of bidding documents and shall be notified only on the web portal <https://etenders.gov.in/eprocure/app>. Bidders intending to participate in the tender shall be solely responsible for checking the portal for any amendment issued in the shape of Corrigendum and/or Addendum.
- 2.9.3** In order to afford prospective bidders reasonable time to take the amendment into account in preparing their bids, VOCPA may, at its discretion, extend the deadline for the submission of bids.

2.10 BIDDER'S RESPONSIBILITY:

2.10.1 Contacting VOC Port Authority:

Bidder shall not contact VOC Port Authority on any matter relating to its Bid from the time of the Bid Opening to the time the contract is awarded. Any effort by any Bidder to influence VOC Port Authority in the Bid Evaluation, Bid Comparison, or Contract Award decision shall result in disqualification of the bidder.

2.10.2 Undertaking By the Bidders:

- (i) Bidder undertakes, if his tender is accepted, has to enter into and execute when called upon to do so, a Contract Agreement as provided in **Annexure B** with such modifications as agreed upon. Until the formal Contract Agreement is prepared and executed, this tender/bid document together with the written acceptance shall form a binding agreement between the Port and the Contractor.
- (ii) The Bidder undertakes, if his tender is accepted, has to give the required performance security as per **Clause No.2.28.1 of ITB**.

- (iii) The Bidder shall submit a declaration as provided in the **Form VII** of the bid document that the Bidder has not been blacklisted or debarred in the last 3years by any of the Central / State Government / Autonomous bodies / PSEs / PSUs and any other organizations in India prior to and as on the bid submission date mentioned in the NIT and the same shall be uploaded along with the bid document in the e-tender portal.
- (iv) The bidders shall submit a declaration as provided in Form **VII** of the bid document that they 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 Prevention of Corruption Act (PC Act) in connection with the bid.

PREPARATION OF BID

2.11 LANGUAGE OF BID:

The bid prepared by the Bidder and all correspondences and documents relating to the bid exchanged by the Bidder and VOCPA shall be written in the English language, provided that any printed literature furnished by the Bidder may be written in another language so long as it is accompanied by an English translation of its pertinent passages in which case for the purpose of interpretation of the Bid, the English translation shall be considered.

2.12 BID PRICES:

- 2.12.1** The Bidder shall quote, on the prescribed Price Schedule, the landed prices (F.O.R Destination basis) of all the goods and services at VOCPA.
- 2.12.2** The quoted price shall be a firm lump-sum price and shall be as on the opening of the bid. The Bidder should ensure that the prices are rational, reasonable. The above price shall include all the taxes (except GST), duties, fees, all types of Cess, insurance, transportation, packing, forwarding and all other incidentals required for the execution of the contract in all respects. In case of change in /Custom Duties/other Government taxes & levies during pendency of the contract, only incremental change will be paid, provided goods and services are executed during the original completion date of the Contract. Variation of taxes & duties during extended period of Contract shall only be considered on merit.
- 2.12.3** No price escalation shall be admissible unless the contract specifically provides for it. In general, no price escalation is applicable on any account till the contract is executed in full and its subsequent amendments accepted by the Contractor even though the completion / execution of the contract may take a longer time than the scheduled period incorporated and accepted in the contract.
- 2.12.4** Also, by submitting a bid for the work, bidders shall be deemed to have satisfied himself by actual inspection of the site and locality of the work, that rates quoted by him in the Bid will be adequate to complete such work according to the specification and conditions attached here to and he has taken into account all conditions and difficulties that may be encountered during its progress and to have quoted labour and material

rates which shall include the cost of the material with taxes, duties and incidental and all other charges necessary for the completion of the work, to the entire satisfaction of VOCPA.

2.13 BID VALIDITY:

2.13.1 The bids shall be valid for a period of 120 days from the date of opening of e-Tender.

2.13.2 During this period, the bidder shall not be permitted to withdraw or vary their offers, once made and if they do so, EMD paid by the bidder will be forfeited.

2.13.3 In exceptional circumstances, prior to the expiry of the original time limit, the “Tender inviting Authority” may request the bidders to extend the period of validity for a specified additional period. The request and the bidders’ responses shall be made in writing or by e-mail. A bidder may refuse the request without any risk of forfeiture of Bid Security (EMD).

2.13.4 A bidder agreeing to the request will not be required or permitted to modify his bid but will be required to extend the validity of his bid for the period of the extension.

2.14 BID CURRENCIES:

The prices shall be quoted in the currency of Indian Rupees only. The price quoted in the currency of Indian rupees in the ‘Price Schedule’ shall be firm and shall not be varied on account of exchange rate fluctuation during the bid validity / contract period.

2.15 BID SECURITY/ EARNEST MONEY DEPOSIT (EMD):

2.15.1 The Bidder shall furnish, as part of its bid, bid security (EMD) for the amount stipulated in the NIT.

2.15.2 Any bid not accompanied by prescribed bid security shall be rejected by the VOCPA as being non-responsive.

2.15.3 All bidders other than an MSEs should pay the EMD through online payment gateway mode in CPP e- tender web Portal or shall submit the EMD in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or irrevocable & operative Bank Guarantee from any of the Scheduled Commercial Banks. The validity period of bid security is to remain valid for a period of 45 (forty-five) days beyond the final bid validity period. Otherwise, his/her/their tender will be rejected. EMD in any other form shall not be accepted.

The MSEs are required to furnish a relevant valid Certificate for claiming exemption. This valid certificate shall be uploaded in the Bid, failing which the Technical Bid shall not be evaluated. Similarly, bidders are required to upload scanned copies in the Bid in case payment of EMD in the form of Insurance Surety Bonds, account payee demand draft, fixed deposit receipt, banker’s cheque or Bank Guarantee from any of the Commercial Banks, failing which the Technical Bid shall not be evaluated. The details of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks shall be received only after the bid opening date. If the originals are not received within 7 days of the bid opening date the

bid may not be considered.

2.15.4 The bid securities of unsuccessful bidders will be returned at the earliest after expiry of the final bid validity period and latest by 30th day after the award of contract.

2.15.5 A bidder's bid security will be forfeited if the bidder:

- a. Withdraws or amends its / his bid.
- b. Impairs or derogates from the tender in any respect within the period of validity of the tender.
- c. If the bidder does not accept the correction of his bid price during evaluation.
- d. If the Bidder submits fraudulent documents and / or wrong information in support of its eligibility / qualification
- e. In case of any bidder found indulged in corrupt, fraudulent, coercive, undesirable and restrictive practices during the bidding process and
- f. If the successful bidder fails to sign the contract or furnish the required performance security within the specified period.

2.15.6 No interest shall accrue or is payable on the EMD from the date of its remittance till it is returned to the bidders.

2.15.7 Bid security shall be refunded to the successful bidder on receipt of performance security and signing of contract. Bid security of the successful bidder may be adjusted against Performance Security Deposit if requested by the successful bidder.

2.15.8 If a successful bidder on award of contract fails to sign the contract or to submit performance security within the specified period, EMD will be forfeited, and the bidder may be suspended for a period of 3(three) years from being eligible to submit Bids for contracts with VOCPA.

2.15.9 The MSEs are exempted from payment of Bid Security subject to furnishing of relevant valid Certificate by uploading the said valid certificate copy at the time of submission of their bid along with the details duly filled in as per **Form-II A**. MSE bidders claiming exemptions from EMD as per MSME guidelines must also register Udyam Registration Certificate indicating URN (Udyam Registration Number) issued from MSME, in order to avail the benefits available to MSEs as contained in Public procurement policy.

2.16 DOCUMENTS COMPRISING THE BID:

2.16.1 The bidder is required to download all the documents for the preparation of his bid. The bidders are strongly advised to examine all the instructions, forms, terms, and specifications in the Tender/Bid documents. Failure to furnish all the information required by the Tender/Bid Document or submission of a Bid not techno-commercially responsive, in every respect, will be at the Bidder's risk and shall result in the rejection of its Bid.

2.16.2 The bidder shall carefully prepare the list of required documents that are asked for submission along with the bid. The bid shall be a Techno-Commercial bid and financial

bid. The bid shall be prepared as under and uploaded the same online through e-Procurement Portal in two cover systems and digitally signed by the authorized representative of the bidder as follows:

Cover A – Techno-Commercial Bid:

- (i) Duly filled in **Form -I – “Bid Cover Letter”**
- (ii) Scanned copy of system generated proof towards successful payment of EMD in case of payment through online payment gateway mode in CPP e- tender web Portal **OR** scanned copy of proof towards successful payment of EMD in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks along with filled in **Form-II A OR** valid Certificates by MSEs for claiming exemption along with filled in **Form-II B**.
- (iii) Eligibility / pre-qualification criteria information on **Financial Capability** as detailed under SI. No. 4. a) of Notice Inviting Tender (Section-I):
Scanned copy of Profit & Loss statements for the last 3(three) years ending 31st March of the previous financial year duly certified by the Chartered Accountant in support of meeting Financial Capability along with duly filled in **Form-III**.
- (iv) Eligibility / pre-qualification criteria information on **Similar Work Experience** as detailed under SI. No. 4. b) of Notice Inviting Tender (Section-I):
Scanned copies of work order(s) along with BOQ & respective satisfactory completion with performance certificate in support of meeting Similar Work Experience along with duly filled in **Form-IV**. In case of experience other than Central / State Government / Autonomous bodies / PSEs / PSUs / Public Limited Companies, the bidder has to submit scanned copies of TDS certificate along with duly filled in **Form-IV A**.
- (v) Scanned copies of (i) EPF registration certificate; (ii) ESI; (iii) Permanent Account Number [PAN]; (iv) Income Tax Return of preceding three years; and (v) GST Registration Certificate
- (vi) Duly filled in Form-V – “Declaration of Authorized Representative”
- (vii) Duly filled in Form-VI – “Schedule of No deviation”
- (viii) Duly filled in Form-VII – “Declaration by the Bidder”
- (ix) Duly filled in Form-VIII – “Bank Mandate Form”
- (x) Duly filled in Form-IX – “Tender Acceptance Letter”
- (xi) Duly filled in Form-X – “Local Content declaration & Self Certification” [wherever applicable if specifically asked for in bid document]
- (xii) Duly filled in and signed Form-XI – “Integrity pact” [wherever applicable as per as per Clause No.2.30 of ITB]

- (xiii) Details of Technical Manpower to be deployed for execution of work **[wherever applicable if specifically asked for in bid document]**
- (xiv) Scanned copy of valid license "ESB/" "ESA"/"EA" grade issued by the Licensing Board **[wherever applicable if specifically asked for in bid document]**
- (xv) The bidder shall submit the technical details and brochures of the proposed machines /equipment to be deployed along with technical bids with necessary certifications as per the technical requirement.
- (xvi) Any other documents which need to be uploaded, as a support to bidder's qualification/ responsiveness to the bid in compliance with Tender Document.
- (xvii) In order to file an error-free tender/bid, the bidders may make use of the qualification documents to be uploaded list provided **in the Pre-qualification and Responsiveness Information in Annexure - A** of the bid document to identify the documents to be scanned and uploaded in support of their bid. Scanned copy of duly filled in Annexure - A shall be uploaded by the Bidder.

NB: Please note that bidders should upload only the documents that are mentioned in the preceding clauses. The bidders need not send any documents (Hard Copy) to the Tender Inviting Authority. The NIT corrigendum/ addendum published by Tender Inviting Authority need not be uploaded and will be deemed to be part of the bid. Bid documents may be scanned with 100dpi with black and white options which helps in reducing size of the scanned document

Cover A – Field Test shall be carried out at VOCPA site in presence of TPI agency. The **Successful prequalified bidders shall conduct the field test.**

Cover B – “Financial Bid” shall comprise Price Schedule

- (i) Price proposal by the bidder:
 - a. In the e-Procurement Portal, an intelligent Price Schedule / Bill of Quantity in Microsoft Excel format shall be made available to the bidder.
 - b. The bidder shall bid for the whole work as described in the Price Schedule.
 - c. The bidder shall be deemed to have satisfied himself/herself as to the correctness and sufficiency of the Tender and the rates and prices quoted in the Price Schedule, all of which shall cover all his/her obligations under the Contract and all matters & things necessary for the proper execution and completion of the work and the remedying of any defects therein.

2.16.3 Bidders shall submit offers that fully comply with the requirements of the Tender documents. Conditional offers or alternative offers will not be considered in the process of bid evaluation.

2.17 FORMAT AND SIGNING OF BID:

2.17.1 The bidder shall upload the completed bid at his/her convenience within the final date and time of submission. The bidder shall only submit a single copy of the required

documents and Price Bid on the portal. The Bidders are advised to upload the completed Bid document well ahead of bid closure time to avoid any last-moment problem of power failures, network failure, etc. VOCPA shall not be responsible in any manner.

- 2.17.2** The bidder shall ensure the correctness of the bid prior to uploading and also ensure clarity/legibility of the document uploaded by him/her to the portal, especially the scanned documents. Non-submission of legible documents may render the bid non-responsive. However, VOCPA, if so desires, can ask for legible copies or original copies of scanned documents and statements uploaded in the portal within the specified period for verification provided such document in no way alters the Bidder's price bid. If the Bidder fails to submit the original documents within the stipulated date, his bid shall be considered non-responsive.
- 2.17.3** The bidder shall digitally sign on all the statements, documents, certificates uploaded by him/her in support of the Pre-qualification and Responsiveness of the bid, owing responsibility for their correctness/ authenticity. The bidder must note that misrepresentation of facts and/or submission of fraudulent documents or submission of bid in an irresponsible manner may disqualify the bidder from participating in any tender of VOCPA and also termination of any other ongoing contracts with forfeiture of the Security Deposit. VOCPA reserves the right to verify the authenticity of the documents/information submitted by the bidder.
- 2.17.4** Signatory of the bid documents shall be Bidder himself, or a person duly authorized and holding power of attorney to do so on behalf of the Bidder, as furnished in Form-V of the bid document.

2.18 DEADLINE FOR SUBMISSION OF THE BIDS:

- 2.18.1** The online bidding will remain active till the last date and time of the bid submission. Once the date and time (Server date and time) are over, the bidder will not be able to submit the bid. The date & time of bid submission should remain unaltered even if the specified date for the submission of bids is declared a holiday for the VOCPA.
- 2.18.2** The Tender Inviting Authority/ VOCPA may extend the deadline for submission of bids by issuing an amendment in accordance with **Clause No.2.9** of this Section, in which case all rights and obligations of the VOCPA and the bidders previously subject to the original deadline will then be subject to the new deadline. The new date after extension shall be available on the Tender portal.

2.19 LATE BIDS:

The system shall reject the submission of any bid through the portal after the closure of the receipt time. For all purposes, the server time displayed in the e-procurement portal shall be the time to be followed by the bidder and concerned officers.

2.20 MODIFICATION AND WITHDRAWAL OF BIDS:

- 2.20.1** In the E-Procurement Portal, it is allowed to modify the bid any number of times before the final date and time of submission. The bidder shall have to log on to the system and resubmit the documents as asked for by the system, including the price bid. In doing

so, the bids already submitted by the bidder will be removed automatically from the system, and the latest bid only will be admitted. But the bidder should avoid modification of bid at the last moment to avoid system failure or malfunction of internet or traffic jam or power failure etc. If the bidder fails to submit his/her modified bids within the designated time of receipt, the bid already in the system shall be taken for evaluation.

- 2.20.2** In the e-Procurement Portal, withdrawal of bids is allowed. But in such a case, the bidder has to write a confidential letter with appropriate reasons for his/her withdrawal addressed to the Tender Inviting Authority and upload the scanned document to the portal in the respective bid before the closure of submission. The system shall not allow any equipment withdrawal after the expiry of the closure time of the bid.

OPENING AND EVALUATION

BID OPENING:

- 2.21.1 Bid opening dates are specified during the publishing of the tender or can be extended vide corrigendum. These dates are available in NIT / Corrigendum as well as the home page of the portal.
- 2.21.2 If the specified date of bid opening is declared a holiday for VOCPA, the bids shall be opened at the appointed time on the next working day.
- 2.21.3 If the required EMD has not been provided or exemption from EMD is claimed without acceptable proof of exemption, bid will not be considered for techno-commercial evaluation.
- 2.21.4 The Cover A – Techno-commercial Bid containing the techno-commercial documents listed in the Pre- Qualification and Responsiveness Information in Annexure- A and any other documents uploaded by the Bidders as required for bidding purpose will be opened through online on the scheduled date and time in the presence of such bidders and/or their authorized representatives, who wish to be present at the time of opening, at their own cost.
- 2.21.5 The Price bid of the shortlisted bidders i.e., technically qualified bidders will alone be opened by the Port on a date and time to be notified later.

2.22 CLARIFICATION ON BIDS:

During evaluation and comparison of the bids, the VOCPA may, at his discretion, ask the bidder for clarification on the bid. The request for clarification shall be given in writing by registered/ Speed Post/Registered e-mail/uploaded on the e-procurement Portal, asking the bidder to respond by a specified date, and also mentioning therein that, if the tender does not comply or respond by the date, his tender will be liable to be rejected. Depending on the outcome, such tenders are to be ignored or considered further. No change in prices or substance of the bid shall be sought, offered, or permitted. No post-bid clarification at the initiative of the bidder shall be entertained. The shortfall information/documents should be sought only in the case of historical

documents which pre-existed at the time of the tender opening, and which have not undergone change since then. (Example: if the Permanent Account Number, *registration with GST* has been asked to be submitted and the tenderer has not provided them, these documents may be asked for with a target date as above). So far as the submission of documents is concerned with regard to qualification criteria, after submission of the tender, only related shortfall documents should be asked for and considered. For example, if the bidder has submitted a work /supply order without its completion/ performance certificate, the certificate can be asked for and considered. However, no new work supply/work order should be asked for so as to qualify the bidders.

2.23 EVALUATION & COMPARISON OF BID:

2.23.1 Evaluation of Techno-Commercial Bid:

In evaluation of the techno-commercial bid, conformity of the eligibility/ qualification, technical and commercial conditions to those in the bid document is ascertained. Additional factors, if there are any, incorporated in the tender documents may also be considered in the manner indicated therein. A responsive tender is one which inter-alia confirms to all the terms and conditions including General and Special conditions of the entire bid documents without any deviation or reservation and the same shall be determined as described below:

- (a) The documents uploaded by the bidder as specified in **Form- IV** read with **Section - II, Clause 2.11.6.2 (iv)**, will be evaluated basing on the work orders, Performance Certificate / work completion certificate of similar nature of the work and value of the work fulfilling the eligibility criteria.
- (b) The financial capability will be evaluated based on the information provided in Form III read with Section- II, clause 2.11.6.2 (iii).
- (c) After scrutiny of the documents uploaded in the Cover A – Techno-commercial Bid, the eligible bidders will be pre-qualified based on the details provided by them.
- (d) The Port may verify the original documents of the scanned copies uploaded by the Bidder during evaluation or at any time, if required. In case the documents submitted by the bidders are found to be forged/ false, the port will take appropriate penal action including cancellation of the work order issued and blacklisting of the firm/ company for a period of 3 years.
- (e) The shortlisted bidders after the Techno-Commercial evaluation will be informed through emails after short listing and the same will also be published in the Port website. Any bidders who had participated in the tender having any objections or observations shall inform the same to the designated Email id, within a period of seven days from the date of publishing on the website. Objections, if any, received after this date will not be entertained.
- (f) Objections so received will be duly examined as per the Terms and Conditions of the tender and the decision will be posted on the website or intimated to the firm. The

decision of the competent authority, in this regard, will be final and binding and no further objections will be entertained once the decision is finalized.

2.23.2 Field Test:

- (a) The bidders qualifying in Pre-qualification Criteria & Techno-commercial Evaluation (as per clause 2.23.1) shall be communicated by VOCPA to demonstrate in field test that their proposed design with LED fittings will meet technical criteria for illumination of achieving minimum 25lux in operational areas and minimum 10lux in approach roads as specified in tender document. The cost of carrying out field test including installation of luminaries is to be borne by the bidder.
- (b) The site selection (High Mast location), site preparation (including grid marking, cleaning, site clearance etc.), arrangement of calibrated Lux Meter for subject Field Test shall be arranged by VOCPA.
- (c) Accordingly, the bidder may be allowed to alter the position, number of wide beam & narrow beam luminaries of selected grid & keeping total number of fittings constant, in order to meet the requirement of field test. The lux level obtained on each tower, and the grid would be measured & certified by TPIA during field test. Decision of VOCPA on this matter shall be final. Field test would be taken for High Mast towers only.
- (d) Pursuant clause 2.23.2 (a), bidders shall be allowed to conduct Field Test on provided dates by VOCPA. After handover of site by VOCPA to techno-commercially qualified bidders, the bidders shall arrange/prepare and demonstrate the Field Test only once. No second chance/ re-demonstration shall be allowed.
- (e) The pre-qualified bidders who fulfill the technical criteria for illumination in field test shall be deemed to be Technically Responsive.
- (f) After handing over of site to the respective bidders for subject Field Test, the contractor shall arrange for lowering of High Mast lantern carriage, dismantling of existing Luminaires, installation of bidder's LED luminaires, electrical disconnection/ connection/re-connection etc. for subject Field Test. Post completion of the Field Test, the contractor shall re-install the existing Luminaires, re-connect the power supply & raise the lantern carriage same as earlier, before handing over of site to VOCPA.
- (g) The contractor shall be responsible for the security of all the electrical utilities at subject location till handover of site to VOCPA.
- (h) Third Party Inspection agency shall be deployed by VOCPA on respective dates of Field Test.

2.23.3 Financial Evaluation:

- (a) Price bids of the bidders, who qualify in the Pre-qualification Criteria, Techno-commercial Evaluation (as per clause 2.23.1) & Field Test (as per clause 2.23.2) will only be considered for evaluation. PRICE BIDS of the said bidders will be opened on a later date, upon due intimation to the participating Bidders at their address furnished by them in their Bid.

- (b) The due date of opening of Cover B- Financial Bid shall be scheduled and intimated to the prequalified bidders through portal.
- (c) The on-line price-bid opening event may be viewed by the bidders at their remote end, by logging on to the e-Procurement System. A copy of the price-bid opening record shall be made available on the e-Procurement System.
- (d) The Financial Bid for the pre-qualified & technical responsive bidders will be opened on the pre-published / notified date & time in the presence of bidders or their authorized representative who wish to be present. The participating bidders can also witness the opening of price bids online by logging on to the portal with his DSC from anywhere.
- (e) The financial evaluation shall be made on the basis of the total price as indicated price schedule/ Bill of quantity. VOCPA is not bound to accept the lowest quoted offer. Conditions, if there are any, with Price Bid shall not be considered for any purpose. VOCPA reserves the right to accept a tender in full or in part and / or reject a tender without assigning any reason thereof

2.23.4 Evaluation of the bid does not exonerate the bidders from checking their original documents. VOCPA reserves the right to verify the authenticity of the documents/information submitted by the bidder.

As per Section-468(Forgery for the purpose of Cheating) and Section-471(using as genuine, a forged document) of IPC-1860, use of fraudulent/forged document for the purpose of participating in any tender is a punishable offense. Hence, in such cases, VOCPA shall have no other option than to take the following actions against the firm, which has restored the use of forged/fraudulent documents in any tender. It is also applicable if, at a later date, the bidder is found to have misled the evaluation through wrong information.

At the time of the bidding stage

- (a) Termination of any other ongoing contracts with forfeiture of the Security Deposits.
- (b) Blacklisting / debarring / tender holiday of the firm under the Prevention of Corruption Act, 1988 for a period of three years from the date of blacklisting.

At the time of contract execution

- (a) Termination of the contract with forfeiture of the Security Deposits.
- (b) Termination of any other on-going contracts with forfeiture of the Security Deposits.
- (c) Blacklisting of firm under Prevention of Corruption Act, 1988 for a period of three years from the date of blacklisting.

2.23.5 Conditional bids may be rejected by VOCPA. Conditions, if there are any, on any document enclosed with Price Bid shall not be considered for any purpose.

AWARD OF CONTRACT

2.24 AWARD CRITERIA:

The Tender Inviting Authority, on behalf of VOC Port Authority, will award the contract to the bid whose bid is the lowest evaluated Bid as per tender conditions and their price schedule will be considered.

2.25 PURCHASER'S RIGHT TO ACCEPT OR REJECT ANY OR ALL THE BIDS:

VOC Port reserves the right to accept or reject any bid and the bidding process at any time prior to award of contract without thereby incurring any liability to the affected Bidder or Bidders on the grounds of VOC Port Authority's action.

2.26 NOTIFICATION OF AWARD:

Prior to the expiration of Bid Validity, the Successful bidder will be notified in the form of Letter of Acceptance / Award or Work Order which will be communicated by registered or by mail that his Bid has been accepted. The successful bidder has to furnish Performance Security & additional security (if any), and non-judicial stamp paper for signing of Contract / Agreement within 15 days from date of issuance of Letter of Acceptance/ Award of Work Order. The issue of the letter of acceptance shall be treated as the closure of the Bid process.

2.27 SIGNING OF CONTRACT:

The successful has to furnish the Performance Security Deposit (PSD), as per the Tender Conditions. The Contractor shall be required to execute an agreement in the proforma prescribed by the V.O.Chidambaranar Port Authority (**as per Annexure- B**) on Tamil Nadu Government State stamp paper of the required value within 28 days from the date of issue of Letter of Acceptance / Work Order. In the event of failure on the part of the successful bidder to execute the agreement within the above stipulated period, or the period agreed by the Port, VOC port being in such circumstances entitled to treat the successful bidder as in breach of contract and proceed accordingly.

2.28 PERFORMANCE SECURITY DEPOSIT or PERFORMANCE GUARANTEE:

- 2.28.1 The successful bidder (Contractor) shall furnish an amount of 5% of the Contract Price as Performance Security in the form of Insurance Surety Bond, account payee demand draft, fixed deposit receipt from Scheduled Commercial bank, irrecoverable and operative Bank Guarantee issued / confirmed from any of the Scheduled Commercial bank in India, as per specimen in **Annexure C** or online payment through RTGS/NEFT to the account whose details are provided as below:

A	Name and address of the bank	Indian Overseas Bank, Harbour Branch, Tuticorin-628004.
B	Name of the branch	Harbour Branch
C	IFSC code	IOBA0000143

D	Account Number	0143010000000001
E	Type of Account	Savings Account
F	Beneficiary's Name	FA & CAO, V.O. Chidambaranar Port Authority, Tuticorin

Performance Security is to be furnished within 15 days from the date of issuance of the Letter of Acceptance/ Award of Work Order towards successful performance of the Contract and it should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the Contractor, including warranty period. However, the Engineer may relax the time limit of 15 days for submission Performance Security and extend it by further period in extraordinary circumstances for the reasons recorded. If the performance Security is not deposited in time as prescribed above, the LOA shall stand cancelled automatically and the Earnest Money Deposit will be forfeited, and action shall be initiated as per **Clause No. 2.15.8 of ITB**

The Contractor shall furnish the BG towards performance security by the issuing bank directly to the Port through SFMS mode.

This will not bear any interest. Bank Guarantee, obtained from the Nationalized Bank /Scheduled bank in the format prescribed, ***shall be in compliance with for a digital confirmation for the Bank Guarantee and the BG not complying with this shall not be considered.***

The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works including warranty period and remedied any defects. If required, the Contractor shall extend the validity of the Performance Security accordingly.

The performance security will be forfeited in the event of breach of contract by the Contractor.

The performance security should be refunded to the Contractor without interest, after the Contractor duly performs and completes all obligations under the contract but not later than 365days of completion of the Warranty Period.

2.28.2 Security Deposit / Retention Money:

In addition to Performance Security, Security deposit / retention money for an amount of 5% of the contract value shall be recovered by deducting @10% from each running bill subject to a maximum accumulation of 5% of the contract value. The earnest money instead of being released may form part of the security deposit. The contractor may, in his option, replace the retention amount with an unconditional BG at the following stages:

- After the amount reaches half the value of the limit of retention money; and
- After the amount reaches the maximum limit of retention money.

One-half of the retention money (or BG, which replaced retention money) shall be released to the contractor without interest on the issue of completion certificate; The other half of the retention money (or BG, which replaced the retention money) shall be released to the contractor without interest, after he duly performs and completes all obligations under the contract but not later than 365 days of completion of the Warranty Period.

2.29 OTHER INSTRUCTIONS

2.29.1 PROVISION OF PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA):

The provisions contained in Public Procurement (Preference to Make in India) Order 2017 as Amended by OM No. P-45021/2/2017 – PP(BE-II) dated 16.09.2020 further as amended from time to time if any, shall be applicable to this tender.

- i. The margin of purchase preference applicable is 20% or as decided by the relevant Nodal Ministry for the item from time to time.
- ii. The minimum local content for Class I and Class II local suppliers shall be 50 % and 20 % respectively or as decided by the relevant Nodal Ministry for the item.
- iii. Procurements where the estimate value is less than Rs.5.00 Lakhs shall be exempted from this order.
- iv. Verification of Local Content:
 - a. For procurement value up to 10.00 Crores: The class I local supplier /Class II local supplier at the time of tender, bidding or solicitation shall be obliged to indicate percentage of local content and provide Self Certification (as per the format enclosed) that the item offered meets the local content requirement for Class I local supplier / Class II suppliers as the case may be. They shall also give details of the locations at which the local value addition is made.
 - b. For procurement value above Rs.10.00 Crores: The Class I local supplier / Class II local supplier at the time of tender, bidding or solicitation shall be required to provide certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. The Tenderer shall submit the Declaration as per **Form XI**.

2.29.2 INTEGRITY PACT:

For every work / procurement / contract the value of which is Rs.1crore and above, the Integrity Pact agreement format as given at **Form – X** shall form a part of the bid document and it shall be prepared in **Non-judicial stamp paper** shall be uploaded along with technical bid by all the participating bidders and the original shall be submitted to Notice Inviting Tender Authority within 7 (Seven) days of opening of tender by all the participating bidders. The Integrity pact signed by the Purchaser and the bidder (successful bidder – Contractor) shall be made part of contract agreement.

Each page of such Integrity pact proforma would be duly "signed" by Purchasers/Procuring Entity's competent signatory. All pages of the Integrity Pact are to be "returned" by the bidder (along with the technical bid) duly signed by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid and to make binding commitments on behalf of his company. Any bid not accompanied by the Integrity Pact in Non judicial stamp paper duly signed by the bidder shall be considered to be a non-responsive bid and shall be rejected straightway."

The details of Independent External Monitors (IEM) are:

- 1) Shri Hermanprit Singh, IPS (Retd.),
12, Belevedre Road,
Alipore,
Kolkata – 700027.
Phone No: 9830197103
Email id: hermanprit@gmail.com.
- 2) Shri Trivikram Nath Tiwari, ILS (Retd.),
301-B Block – 3B, HIG DDA Flats,
Rani Jhansi Road, DDA Complex, Motia Khan,
New Delhi – 110055. Phone No: 9871788277
Email id: trivikramnt@yahoo.co.in

SECTION III

GENERAL CONDITIONS OF CONTRACT

3.1 GENERAL PROVISIONS:

3.1.1 Definitions:

In the Conditions of Contract ("these Conditions"), which include Particular Conditions and these General Conditions, the following words and expressions shall have the meanings hereby assigned to them, except where the context requires otherwise.

3.1.1.1 The Contract:

3.1.1.1.1 "Contract" means the Notice Inviting Tender, the Bid / Tender and acceptance thereof and the formal legal Agreement, if any, executed between the Employer and the Contractor together with the documents referred to therein including General Conditions with appendices and any Special Conditions of Contract, the Specifications, Designs & Drawings, Scope of Work, Priced Schedule / Bill of Quantities and further any documents. All these documents taken together shall be deemed to form one Contract and shall be complementary to one another.

3.1.1.1.2 "Contract Agreement" means the Employer and the Contractor shall enter into a Contract Agreement within stipulated days after the Contractor receives the Letter of Acceptance / Work Order, unless they agree otherwise. The Contract Agreement shall be in the format annexed to the bid document. The costs of non-judicial stamp paper of applicable value and other statutory charges (if any) in connection with entry into the Contract Agreement shall be borne by the Contractor.

3.1.1.1.3 "Letter of Acceptance (LOA)/ Letter of Award / Notification of Award / Work Order (WO)" means the letter of formal acceptance, signed by the Employer.

3.1.1.1.4 "Specification" means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such a document specifies the work.

3.1.1.1.5 "Drawings" means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Employer in accordance with the Contract.

3.1.1.1.6 "Schedules" means the document(s) entitled schedules, completed by the Contractor and submitted, as included in the Contract. Such a document may include the Bill of Quantities, data, lists, billing package and schedules of rates and/or prices.

3.1.1.1.7 "Price Schedule / Bill of Quantities" means the documents so named (if any) which are comprised in the Schedules.

3.1.1.1.8 "Tender/Bid" (including terms offers, quotations or proposals in certain contexts) means an offer to supply of goods, services, or execution of works made in

accordance with the terms and conditions set out in the bid document inviting such offers.

3.1.1.1.9 “Tender/Bid documents” means a document issued by Employer, including any amendment / corrigendum thereto, that sets out the terms and conditions of the given procurement process including ‘Notice Inviting Tender’.

3.1.1.1.10 “e-Tender” means conducting of procurement processes by the Employer with bidders for execution of works and services through use of information and communication technology (specially the internet) with the aim of open, nondiscriminatory and efficient procurement through transparent procedures.

3.1.1.2 Parties and Persons:

3.1.1.2.1 “Party” means the Employer or the Contractor, as the context requires.

3.1.1.2.2 “Employer/ Purchaser” (“Board”) means the Board of V.O. Chidambaranar Port Authority and assigns, acting through its chairperson or any other Officer so nominated by the Board.

3.1.1.2.3 “Contractor / Service Provider” means the person(s), firm or company whose Tender has been accepted by the Employer and includes the Contractor’s Representative(s), the successors and/or permitted assigns for the subject Contract.

3.1.1.2.4 “Engineer” means the Chief Mechanical Engineer / V.O. Chidambaranar Port Authority, or any other Officer nominated by Chairman.

3.1.1.2.5 “Employer’s Personnel” means the Engineer, his representative and all other staff, labour and other employees of the Employer; and any other personnel notified to the Contractor, by the Employer or the Engineer, as Employer’s Personnel.

3.1.1.2.6 “Contractor’s Personnel” means the Contractor’s Representative and all personnel whom the Contractor utilizes on Site, who may include the staff, labour and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the works.

3.1.1.2.7 “Contractor’s Representative” means the person named by the Contractor in the Contract or appointed from time to time by the Contractor under **Sub-Clause 3.4.2** [Contractor’s Representative], who acts on behalf of the Contractor.

3.1.1.2.8 “Engineer’s Representative” means any Representative(s) of the Engineer, the assistants referred to in **Sub-Clause 3.3.2** [Delegation by the Engineer] whose authority shall be notified in writing to the Contractor by the Engineer.

3.1.1.2.9 “Sub-contractor” means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works; and the legal successors in title to each of these persons.

3.1.1.3 Money & Payments:

- 3.1.1.3.1 **"Contract Price"** means an accepted contract amount mentioned in the Letter of Acceptance regarding execution and completion of the Works and the remedying of any defects.
- 3.1.1.3.2 **"Executed value"** means the price defined in **Sub-Clause 3.13.3** and includes adjustments in accordance with the Contract.
- 3.1.1.3.3 **"Cost"** means all expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.
- 3.1.1.3.4 **"Currency"** means Rupees in which part (or all) of the Contract Price is payable.
- 3.1.1.3.5 **"Performance Security"** means the security (or securities, if any) under Clause 2.28.1 of ITB [Performance Security].
- 3.1.1.4 **Dates, Periods and Completion:**
- 3.1.1.4.1 **"Commencement Date"** means the date notified under **Sub-Clause 3.7.1** [*Commencement of Work*].
- 3.1.1.4.2 **"Time for Completion"** means the time for completing the Works or a Section (as the case may be) under **Sub-Clause 3.7.2** [Time for Completion], as stated in NIT/ Special Condition of Contract / Scope of Work / LOA (with any extension under **Sub-Clause 3.7.4** [*Extension of Time for Completion*]), calculated from the Commencement Date.
- 3.1.1.4.3 **"Acceptance"** means as defined under **Clause 3.9** [Acceptance].
- 3.1.1.4.4 **"Completion Certificate"** means the certificate issued under **Clause 3.9** [Acceptance].
- 3.1.1.4.5 **"Warranty Period"** means the period as mentioned under **Sub-Clause 3.10.2**.
- 3.1.1.4.6 **"Day"** means a calendar day of 24 hours from midnight to the next midnight irrespective of the number of hours worked in that day.
- 3.1.1.4.7 **"Week"** means, seven days without regard to the number of hours worked in any day in the week.
- 3.1.1.4.8 **"Month"** means, month according to Gregorian calendar.
- 3.1.1.4.9 **"Year"** means 365 days.
- 3.1.1.5 **Works & Goods:**
- 3.1.1.5.1 **"Contractor's Equipment"** means all apparatus, machinery, vehicles and other things required for the execution and completion of the works and the remedying of any defects. However, Contractor's Equipment excludes Temporary Works, Employer's Equipment (if any), Plant, Materials and any other things intended to form part of the Permanent Works.
- 3.1.1.5.2 **"Permanent Works"** means the permanent work to be executed / maintained by the Contractor under the Contract.

- 3.1.1.5.3 **"Plant & equipment"** means the apparatus, machinery and vehicles intended to form or forming part of the Permanent Works.
- 3.1.1.5.4 **"Materials"** means things of all kinds (other than Plant & equipment) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.
- 3.1.1.5.5 **"Temporary Works"** means all temporary works of every kind (other than contractor's Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.
- 3.1.1.5.6 **"Works"** mean the Permanent Works and the Temporary Works, or either of them as appropriate including services under the Contract.
- 3.1.1.5.7 **"Section"** means a part of the Works
- 3.1.1.5.8 **"Goods"** means Contractor's Equipment, Materials, Plant and Temporary Works, or any of them as appropriate. The term 'goods' also includes works & services which are incidental or consequence to supply of such goods, such as transportation, insurance, installation, commissioning, training and maintenance.

3.1.1.6 Other Definitions:

- 3.1.1.6.1 **"Contractor's Documents"** means the calculations, computer programs and other software, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.
- 3.1.1.6.2 **"Employer's Equipment"** means the apparatus, machinery and vehicles (if any) made available by the Employer for the use of the Contractor in the execution of the Works, as stated in the specification; but does not include Plant which has not been taken over by the Employer.
- 3.1.1.6.3 **"Force Majeure"** is defined as in **Clause 3.17** [*Force Majeure*].
- 3.1.1.6.4 **"Laws"** means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority.
- 3.1.1.6.5 **"Site"** means the locations /places/lands where the Permanent Works are to be executed and to which Plant and materials are to be delivered or services to be provided or works to be executed and any other places as may be specified in the Contract as forming part of the Site.
- 3.1.1.6.6 **"Variation"** means any change to the Works, which is instructed or approved as a variation under **Clause 3.12** [*Variations*].

3.1.2 Interpretations:

In the Contract, except where the context requires otherwise:

- (a) words indicating one gender include all genders.
- (b) words indicating the singular also include the plural and words indicating the plural also include the singular.

- (c) provisions including the word "agree", "agreed" or "agreement" require the agreement to be recorded in writing, and
- (d) "written" or "in writing" means hand-written, printed, or electronically made, and resulting in a permanent record.
- (e) the marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.

3.1.3 Communications:

Wherever these Conditions provide for giving or issuing of approvals, certificates, consents, determinations, notices and requests, these communications shall be:

- (a) in writing and delivered by hand (against receipt), sent by mail or courier, or speed post.
- (b) delivered, sent or transmitted to the address for the recipient's communications.

3.1.4 Law, Language and Jurisdiction:

The language for communications shall be in English. The contract shall be governed by and constructed according to the laws in force in India. All disputes shall be subjected to exclusive jurisdiction of the courts at Tuticorin only for the purpose of actions and proceedings arising out of this contract.

3.1.5 Priority of Documents:

In case of any variation in Instructions to Bidders (ITB), General Conditions of Contract (GCC) and Special Conditions of Contract (SCC), the Special Conditions of Contract – if any, shall prevail. But in case of any requirement / condition specified in the Scope of Work, it shall prevail over all other conditions. It may please be noted that at any time prior to the deadline for submission of Bids, Employer may, for any reason, whether at its own initiative or in response to a clarification requested by any prospective bidder, modify the tender document by amendment / issue of addendum. In such cases, clarifications shall be treated as the appropriate meaning of the respective conditions of bid document.

3.1.6 Assignment:

The Contractor shall not assign the whole or any part of the work to any other Party/Firm/Individual without prior written consent of the Employer.

3.1.7 Care and Supply of Documents:

The Contractor shall keep on the Site, a copy of the Contract, the Contractor's Documents (if any), the Drawings and Variations and other communications given under the Contract. The Employer's Personnel shall have the right to access all these documents at all reasonable times.

3.1.8 Contractor's use of Employer's Documents:

As between the Parties, the Employer shall retain the copyright and other intellectual property rights in the Specification, the Drawings and other documents made by (or on

behalf of) the Employer. The Contractor may, at his cost, copy, use, and obtain communication of these documents for the purposes of the Contract. They shall not, without the Employer's consent, be copied, used or communicated to a third party by the Contractor, except as necessary for the purposes of the Contract.

3.1.9 Confidential Details:

The Contractor shall disclose all such confidential and other information as the Engineer may reasonably require in order to verify the Contractor's compliance with the Contract.

3.1.10 Compliance with Laws, Statutes & Regulations:

The Contractor shall, in performing the Contract, comply in all respect with applicable Laws, Statutes and Regulations including clearance from State / Central Govt. Authorities, Pollution Control Boards, labour enforcement and local authorities. The Contractor shall indemnify and hold the Employer harmless against and from the consequences of any failure to do so.

3.1.11 Details to be Confidential:

The Contractor shall treat the details of the contract as private and confidential, except to the extent necessary to carry out obligations under it or to comply with applicable laws. The Contractor shall not publish, permit to be published or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous agreement of the Employer.

3.2 THE EMPLOYER:

3.2.1 Right of Access to the Site:

The Employer shall give the Contractor right of access to, and possession of, all parts of the Site within the time (or times) stated in the Contract. If no such time is stated in the Contract, the Employer shall give the Contractor the right to access the Site within such times as may be required to enable the Contractor to proceed in accordance with the time schedule (bar chart) submitted under **Sub-Clause 3.7.3** [Time Schedule / Bar Chart].

If the Contractor suffers delay as a result of a failure by the Employer to give any such right or possession within such time, the Contractor shall give notice to the Engineer within 7 (seven) days from end of such time or period and shall be entitled to:

- (a) an extension of time for any such delay, if completion is or will be delayed, under **Sub-Clause 3.7.4** [*Extension of Time for Completion*],

However, if and to the extent that the Employer's failure was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time.

3.2.2 Permits, Licenses or Approvals:

The Employer shall (where he is in a position to do so) provide administrative support to the Contractor at the request of the Contractor:

- (a) by obtaining copies of the Laws of the Country which are relevant to the Contract but are not readily available, and
- (b) for the Contractor's applications for any permits, Licenses or approvals required by the Laws of the Country for execution of work under the Contract:
 - (i) which the Contractor is required to obtain.
 - (ii) for the delivery of Goods, including clearance through customs, and for the export of Contractors Equipment when it is removed from the Site.
 - (iii) which the Contractor is required to obtain under the Contract

3.2.3 Employer's Claims:

If the Employer considers himself to be entitled to any payment (claim) under any Clause of these Conditions or otherwise in connection with the Contract, and/or to any extension of the Defects Liability Period, the Employer or the Engineer shall give notice and particulars to the Contractor.

The notice shall be given as soon as practicable after the Employer became aware of the event or circumstances, giving rise to the claim. A notice relating to any extension of the Defects Liability Period shall be given before the expiry of such period.

The particulars shall specify the Clause or other basis of the claim and shall include substantiation of the amount and/or extension to which the Employer considers himself to be entitled in connection with the Contract. The claim amount shall be considered as a deduction in the Contract Price.

3.3 ENGINEER AND ENGINEER'S REPRESENTATIVE:

3.3.1 The Engineer shall carry out such duties in issuing decision, certificates and orders as are specified in the contract. The Engineer's Representative shall be responsible to the Engineer and be the Engineer-in-Charge of the work.

3.3.2 Delegation by Engineer:

The duties of the Engineer's Representative are to watch and supervise the work and to test and examine any materials to be used or workmanship employed in connection with the works. He shall have no authority to relieve the Contractor or any of his duties or obligations under the contract nor except as expressly provided hereunder or elsewhere in the contract to order any work involving delay or any extra payment by the Employer nor to make any variation of or in the works.

Any written instructions or approval given by the Engineer's Representative to the Contractor within the terms of such delegation (but not otherwise) shall bind the Contractor and the Employer as though it had been given by the Engineer provided, however, that.

a) Failure of the Engineer's Representative to disapprove any work or materials shall not prejudice the power of the Engineer thereafter to disapprove such work or materials and to order the pulling down, removal or breaking up thereof.

b) If the Contractor shall be dissatisfied by reason of any decision of the Engineer's Representative, he shall be entitled to refer the matter to the Engineer who shall thereupon confirm, reverse or vary such decision.

3.4 THE CONTRACTOR'S OBLIGATIONS:

3.4.1 Contractor's General Obligations:

The Contractor shall design (to the extent specified in the contract) if stipulated in the Contract, execute and complete the Works in accordance with the Contract and with the Engineer's instructions, and shall remedy any defects in the Works.

The Contractor shall provide the Plant& equipment, materials and Contractor's Documents specified in the contract, and all Contractor's Personnel, Goods, consumables and other things and services, whether of a temporary or permanent nature, required in and for this design, execution, completion and remedying of defects.

All the material and equipment offered and used in the execution of the work shall be suitable for sustained service in a marine atmosphere and in the local environment condition.

The Contractor shall be responsible for the adequacy, stability, and safety of all Site operations and of all methods of construction. The Contractor shall, in consideration of payments to be made to him as hereinafter provided, execute and do the Works set forth as described in the Scope of Work and specifications, including any amendments to tender clauses.

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 as specified in the Scope of Work within the Time for Completion and provide all labour, including the supervision and security thereof, Contractor's Equipment necessary thereof and for carrying out his obligation, so far as the necessity for providing the same is specified in or is reasonable to be inferred from the Contract. The Contractor shall be fully responsible to Employer for proper, efficient, and effective discharge of their duties.

The Contractor shall, whenever required by the Engineer, submit details of the arrangements and methods, which the Contractor proposes to adopt for the execution of the Works. No significant alteration to these arrangements and methods shall be made without this having previously been notified to the Engineer.

If the Contract specifies that the Contractor shall design any part of the Permanent Works, then.

- (a) the Contractor shall submit to the Engineer the Contractor's Documents for this part in accordance with the procedures specified in the Contract.

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- (b) These Contractor's Documents shall be in accordance with the Specification and Drawings and shall include additional information if required by the Engineer to add to the Drawings.
 - (c) the Contractor shall be responsible for this part, and it shall, when the Works are completed, be fit for such purposes for which the part is intended as are specified in the Contract.

3.4.2 Contractor's Representative:

The Contractor shall appoint the Contractor's Representative and shall give him all authority necessary to act on the Contractor's behalf under the Contract. The Contractor shall submit the name and particulars of the representative prior to commencement of work.

3.4.3 Assignment and Subcontracting:

The Contractor shall not, assign the contract or any part thereof or any benefit or interest therein or there under without the prior written consent of the Engineer.

The Contractor shall not sub-contract the whole of the works. Except otherwise provided by the Contract, the Contractor shall not sub-contract any part of the Works without the prior written consent of the Engineer and such consent if given shall not relieve the Contractor from any liability or obligation under the Contract and he shall be responsible for the facts, defaults and neglects of any sub-Contractor, his agents, servants or workmen fully as if they were the acts, defaults or neglects of the Contractor.

In the event of the Contractor contravening this condition, Employer shall be entitled to terminate the Contract forthwith and award a fresh Contract to some other party at risk and cost of the Contractor who shall be liable for any loss or damage which Employer may sustain in consequence arising out of such replacement of the Contractor. In such a case, the performance security deposit shall be forfeited.

3.4.4 Cooperation:

The Contractor shall, as specified in the Contract or as instructed by the Engineer, allow appropriate opportunities for carrying out work to:

- (a) the Employer's Personnel,
- (b) any other contractors /PMC/ 3rd party Inspecting Agency employed by the Employer, and
- (c) the personnel of any legally constituted public authorities,

who may be employed in the execution on or near the Site of any work not included in the Contract.

3.4.5 Setting Out:

The Contractor shall set out the Works in relation to original points, lines and levels of reference specified in the Contract or notified by the Engineer. The Contractor shall be

responsible for the correct positioning of all parts of the Works, and shall rectify any error in the positions, levels, dimensions or alignment of the Works.

3.4.6 Safety Procedures:

The Contractor shall:

- (a) comply with all applicable safety regulations,
- (b) Take care for the safety of all persons entitled to be on the Site,
- (c) use reasonable efforts to keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons,
- (d) provide fencing, lighting, guarding, and watching & warding of the Works until completion and taking over under **Clause 3.9** [*Acceptance*], and
- (e) provide any Temporary Works (including roadways, footways, guards and fences), which may be necessary, because of the execution of the Works, for the use and protection of the public and of owners and occupiers of adjacent land.

3.4.7 Site Data:

The Employer shall have made available to the Contractor for his information, all relevant data if available in the Employer's possession on conditions at the Site, including environmental aspects. The Contractor shall be responsible for interpreting all such data.

The Contractor shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances which may influence or the Tender or Works. To the same extent, the Contractor shall be deemed to have inspected and examined the Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation):

- (a) the form and nature of the Site, including sub-surface conditions,
- (b) hydrological and climatic conditions,
- (c) the extent and nature of the work/service and Goods necessary for the execution and completion of the Works and the remedying of any defects,
- (d) the Laws, procedures, and labour practices of the State / Country, and
- (e) the Contractor's requirements for access, accommodation, facilities, personnel, power, transport, water and other services.

3.4.8 Sufficiency of the Accepted Contract Amount:

Unless otherwise stated in the Contract, the Accepted Contract Amount covers all the Contractor's obligations under the Contract (including those under Provisional Sums; If any) and all things necessary for the proper execution and completion of the Works.

3.4.9 Rights of Way and Facilities:

The Contractor shall bear all costs and charges for special and/or temporary rights of-way which he may require, including those for access to the Site. The Contractor shall also obtain, at his risk and cost, any additional facilities outside the Site, which he may require for the purposes of the Works.

3.4.10 Transport of Goods:

Unless otherwise stated in the Particular Conditions:

- (a) The contractor shall give the Engineer not less than 07 days' notice of the date on which any Plant or a major item of other Goods will be delivered to the Site.
- (b) the Contractor shall be responsible for packing, loading, transporting, receiving, unloading, storing and protecting all Goods and other things required for the Works; and
- (c) the Contractor shall indemnify and hold the Employer harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from the transport of goods and shall negotiate and pay all claims arising from their transport.

3.4.11 Contractor's equipment:

The Contractor shall be responsible for all Contractor's equipment. When brought on to the Site, Contractor's equipment shall be deemed to be exclusively intended for the execution of the Works and shall be retained at the site till the completion of the work. The Contractor shall not remove from the Site any major items of Contractor's equipment without the consent of the Engineer. However, consent shall not be required for vehicle transporting Goods or Contractor's Personnel off Site.

3.4.12 Protection of the Environment:

The Contractor shall take all reasonable steps to protect the environment (both on and off the Site) and to limit damage and nuisance to people and property resulting from pollution, noise and other results of his operations.

The Contractor shall ensure that emissions, surface discharges and effluence from the Contractor's activities shall not exceed the values indicated in the Specification and shall not exceed the values prescribed by applicable Laws.

3.4.13 Site Facilities:

Facilities Supplied by the Contractor:

The Contractor shall supply all services, amenities, temporary structures including security fencing if required and storage compounds if required, machinery, temporary sheds and construction equipment necessary for the proper execution of the Works at Site at his cost except for the items specified below, which will be provided by the Employer.

Facilities Supplied by the Employer:

The Employer will make available to the Contractor the following services which will be charged at the prevailing rates.

(a) Supply of land for Contractor's site establishment and lay down areas:

The above shall be made available at rates as given in the Scale of Rates as relevant and applicable subject to revision from time to time.

(b) Construction Water / Drinking Water:

The Employer will provide a source for a reasonable quantity of construction water at one point adjacent to the Contractor's work area on a chargeable basis. Any further reticulation to the Contractor's individual facilities shall be the Contractor's responsibility and cost. Similarly drinking water may be supplied on a chargeable basis. However, all necessary arrangements like plumbing / installation of water meters etc. are to be made by the contractor. Water charges will have to be paid (adjusted from the contractor's bill) by the contractor against actual consumption recorded through water meters as per the prevailing rates subject to revision from time to time.

(c) Electric Power:

The Employer will provide a source of electric power at one point adjacent to the Contractor's work area. Any further reticulation to the Contractors' individual facilities shall be the Contractor's responsibility and cost.

The **Electricity consumption charges** [as per Port tariff] shall have to be paid by the Contractor immediately, on receipt of the bill from the office of MEE Department, V.O.Chidambaranar Port. All payment on this account should be updated, otherwise the pending bill amount, along with late payment surcharge, will be recovered from the Contractor's bill(s).

The Employer does not guarantee the continuity of power supply in the event of power failure the contractor shall be required to make its own arrangements for the provision of uninterrupted electric power.

3.4.14 Records to be maintained:

The Contractor shall maintain site account of materials, including the departmental supply, clearly indicating relevant information such as description of the material, source, date of delivery at site, date of consumption at site. The Contractor shall forward a copy of monthly site account of materials to the Engineer in Charge at the end of every month. On completion of the work under the contract, the Contractor shall submit to the Engineer in Charge a copy of the site account of the materials from the date of commencement to date of acceptance. The Contractor shall also maintain hindrance register, site instructions register, complaint register and daily progress register and the EIC shall verify the registers as and when required and sign the same, duly recording his remarks.

3.4.15 Security of the Site:

Unless otherwise stated, authorized persons shall be limited to the Contractor's Personnel and the Employer's Personnel; and to any other personnel notified to the Contractor, by the Employer or the Engineer, as authorized personnel of the Employer's other contractors on the Site.

3.4.16 Contractor's Operations on Site:

The Contractor shall confine his operations to the Site, and to any additional areas, which may be obtained by the Contractor and agreed by the Engineer as working areas. The Contractor shall take all necessary precautions to keep Contractor's Equipment and Contractor's Personnel within the Site and these additional areas, and to keep them off adjacent land.

During the execution of the Works, the Contractor shall keep the Site free from all unnecessary obstruction and shall store or dispose of any Contractor's Equipment or surplus materials. The Contractor shall clear away and remove from the Site any wreckage, rubbish and Temporary Works, which are no longer, required. The Contractor shall clear away and remove, all Contractor's Equipment, surplus material if not handed over to the Employer as per the Contract. Contractors shall leave that part of the Site and the Works in a clean and safe condition. The Contractor shall at all reasonable times allow persons duly authorized by the Employer.

3.5 STAFF AND LABOUR:

3.5.1 Engagement of Staff and Labour:

The Contractor shall make arrangements for the engagement of all staff and labour, local or otherwise, and for their payment, accommodation, feeding and transportation. Since time is the essence of this Contract, the requisite number of labour force has to be kept so as to complete work within the completion period as stipulated in the Contract.

3.5.2 Compliances of Regulations etc.:

The Contractor shall, at all times during the continuance of the Contract, so far it may be necessary, comply with all existing enactments including central and state Legislation as well as an applicable Bye-Laws of any local authority regarding labour (Contractor's Personnel), particularly the Minimum Wages Act, Factories Act, Workmen's Compensation Act, Provident Fund and Miscellaneous Provisions Act, Family Pension Fund Act and Employees State Insurance Act, Contract Labour (Regulation and Abolition) Act, Payment of Wages Act, Maternity Benefit Act, National Festival Holiday Act, Shop and Establishment Act, The Apprentice Act and shall keep the Employer indemnified against any action that may be taken against him for the contravention of provisions of the above said enactments by the Contractor. The prices quoted by the Contractor in Bill of Quantities shall be deemed to include all expenses whatsoever the Contractor may be required to incur for compliance with the provisions of the above-mentioned legislation. The Contractor shall make necessary arrangements for the Employer to witness the payments made by the Contractor to his

staff and labour and get the certificate from the Employer as required in terms of the regulations.

The Contractor shall cover all its workmen under EPF & ESI irrespective of the no. of workmen engaged in the work. The Contractor shall produce documentary evidence in support of the EPF & ESI coverage to its workers within 30days of induction of contractual worker(s). This will also be applicable to the sub-contractor(s) appointed by the Contractor for the subject work.

The Contractor shall also comply apart from all the relevant labour Laws applicable to the Contractor's Personnel, Laws relating to their employment, health, safety, welfare, and emigration and shall allow them all their legal rights.

The Contractor shall require his employees to obey all applicable Laws, including those concerning safety at work.

3.5.3 Rates of Wages and Conditions of Labour:

The Contractor shall pay rates of wages and observe conditions of labour as per the provision of regulations, etc which are not lower than the minimum wages & conditions notified under any Central or State law as applicable to the Employer.

3.5.4 Persons in the Service of Employer:

The Contractor shall not recruit, or attempt to recruit, staff and labour from amongst the Employer's Personnel.

The Employer shall be at liberty to terminate the Contract if the Contractor himself or any of his partners / employees / staffs or any of his Directors who having held Class-I post with the Employer prior to his retirement has failed to obtain the Employer's specific permission to undertake any outside employment before the expiry of two years from the date of his retirement, in accordance with the regulations.

3.5.5 Facilities for Staff and Labor:

The Contractor shall provide and maintain all necessary facilities as applicable at site for smooth execution of contract. Port entry permits for the contractor and their staff, materials, vehicles etc. for movement inside the Port area will be charged on a chargeable basis.

3.5.6 Health and Safety:

The Contractor shall at all times take all reasonable precautions to maintain the health and safety of the Contractor's Personnel. The Contractor shall maintain records and make Reports concerning health, safety and welfare of persons, and damage to property, as, the Engineer may reasonably require.

Safety Gears, PPEs, Etc.

The Contractor shall be solely responsible, at his own cost to provide all safety gears including PPEs for all labours engaged and he shall also ensure the use of such safety items by his staff & labour at site.

In the event of failure on the part of the Contractor, the Employer shall provide the same and recover the cost thereof from any amount due or which may become due to the Contractor or from any amount lying with them or under their control.

3.5.7 Contractor's Superintendence:

(a) The Contractor shall give or provide all necessary superintendence during the execution of the Works and as long thereafter as the Engineer may consider necessary for the proper fulfilling of the Contractor's obligations under the Contract. The Contractor, or his competent and authorized agent or Representative is to be constantly on the works and shall give his whole time to the superintendence of the same. Such authorized agent or Representative shall receive on behalf of the Contractor directions and instruction from the Engineer or the Engineer's Representative.

(b) Epidemics:

In the event of any outbreak of illness or an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government or the local medical or sanitary authorities for the purpose of dealing with and overcoming the same.

3.5.8 Contractor's Personnel:

The Contractor's Personnel shall be appropriately qualified, skilled, and experienced in their respective trades or occupations wherever required. The Contractor shall employ such skilled, semi-skilled labour as is necessary for proper, timely execution of work.

The Engineer may require the Contractor to remove (or cause to be removed) any person employed on the Site or Works, including the Contractor's Representative if applicable, who:

- (a) persists in any misconduct or lack of care,
- (b) carries out duties incompetently or negligently,
- (c) fails to conform with any provisions of the Contract, or
- (d) persists in any conduct, which is prejudicial to safety, health, or the protection of the environment.

If appropriate, the Contractor shall then appoint (or cause to be appointed) a suitable replacement person.

3.5.9 Wage Records:

The Contractor shall maintain records of wages and other remuneration paid to his employees in such forms as may be convenient and to the requirements of the Engineer and conciliation officer, Central Ministry of Labor, Government of India or such other authorized persons appointed by the State Government. The Contractor shall also exhibit the different notices as required under the Minimum Wages Act, 1949, Payment

of Wages Act, 1936 and other Acts, Rules and Regulations made there under from time to time.

3.5.10 Accidents:

The Contractor shall within 24 hours of the occurrence of any accident at or about the site or in connection with the execution of the work report such accidents to the Engineer / Engineer's Representative. The Contractor shall also report such accidents to the competent authorities to whom such report is required to be sent as per prevailing law.

3.5.11 Records of Contractor's Personnel and Equipment:

The Contractor shall submit if required, to the Engineer, details showing the number of each class of Contractor's Personnel and of each type of Contractor's Equipment on the Site. Details shall be submitted each calendar month, in a form approved by the Engineer, until the Contractor has completed all work.

3.5.12 Disorderly Conduct:

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst the Contractor's Personnel, and to preserve peace and protection of persons and property on and near the Site.

3.5.13 Observance By Sub-Contractors:

The Contractor shall be responsible for observance by his Sub-Contractors of the foregoing provisions.

3.5.14 Remedial Action by the Employer:

If as a result of Contractor's failure, negligence, omission, default, or non-observance of any provisions of any laws, the Employer is called upon by any authority to pay or reimburse or required to pay or reimburse any amount, the Employer shall be entitled to deduct the same from any sums of money due or that they become due to the Contractor under this Contract or any other Contract or otherwise recover from the Contractor any sums which the Employer is required or called upon to pay or reimburse on behalf of the Contractor. All registration and statutory inspection fees in respect of his work pursuant to the Contract shall be paid by the Contractor.

3.6 PLANT, MATERIALS AND WORKMANSHIP:

3.6.1 Manner of Execution:

The Contractor shall, at his own costs and expenses, provide all labour, plant & equipment, materials, stores, etc. required for efficiently carrying out and completing the work to the satisfaction of the Employer within the stipulated time period as per Scope of Work and Specifications.

All plant & equipment and materials and workmanship shall be of the respective kinds described in the Contract and in accordance with Engineer's instructions and shall be subjected to such tests specified in the Contract.

3.6.2 Quality Assurance:

The Quality Assurance Plan defines the methodology to be used to ensure quality of goods / services involved in the work. The Contractor shall submit a quality assurance plan (QAP) for acceptance by the Engineer if specified in the Contract. The QAP shall contain list of the tests and inspections proposed along with standards (IS or other equivalent standards / performance standards where applicable) to be done to ensure quality for goods and services

3.6.3 Inspection:

The Engineer or his designated Representative(s) shall at all reasonable times:

- (a) have full access to Contractor or its sub-contractor(s) / its manufacturer(s) premises / work site where the Plant and Equipment are being manufactured or the facilities are being installed / executed, and
- (b) During production, manufacturing, and construction (at the Site and elsewhere), be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of manufacture of materials.

The Contractor shall give the Employer's Personnel full opportunity to carry out these activities, including providing access, facilities, permissions and safety equipment.

3.6.4 Test

The Contractor shall at its own expense carry out at the place of manufacture and / or on the Site all such tests of the Plant and Equipment and any part of the Work / Facilities as are specified in the Contract or as per approved QAP.

Unless otherwise specified,

- (a) Works where supply of plant & equipment are not included in scope of Contractor, test & inspection shall be done by Engineer or his Representative on quality of workmanship of work.
- (b) The contractor shall submit, if necessary, test guarantee certificates / internal inspection report / manufacturer certificates towards acceptance of plant equipment. Inspection of works at site shall be carried out on the basis of workmanship and performance tests.
- (c) Works where supply of plant & equipment are included in scope of Contractor and if such tests are clearly intended by or provided for or inferred from the Contract or Specifications or Bill of Quantities, the test & inspection of all such specified plant & equipment / items shall be carried out at Contractor / sub- contractor(s) / manufacturers' premises as per approved QAP. For the rest of the equipment / items, the Contractor shall submit test guarantee certificates/internal inspection report / manufacturer certificates. Tests & Inspection of works at site shall be carried out on the basis of workmanship and performance standards and as per approved QAP.

The Engineer or his designated representative(s) shall be entitled to attend the aforesaid test and / or inspection, provided that the Employer shall bear costs and expenses

incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses.

Whenever the Contractor is ready to carry out any such test and / or inspection, the Contractor shall give a 7-day advance notice of such test and / or inspection. The Engineer shall then either carry out the examination, inspection, measurement or testing without unreasonable delay, or promptly give notice to the Contractor that the Engineer does not require to do so. If the Contractor fails to give the notice, he shall, if and when required by the Engineer, carry out any such test and / or inspection and thereafter reinstate and make good, all at the Contractor's cost. The Contractor shall provide the Engineer with a certified report of the results of any such test and / or inspection.

If any Plant and Equipment or any part of the Facilities fails to pass any test and/ or inspection, the Contractor shall either rectify or replace such Plant and Equipment or part of the Facilities and shall repeat the test and / or inspection upon giving a notice.

The execution of a test and / or inspection of Plant and Equipment or any part of the Facilities, or the attendance by the Employer or the Engineer, or the issue of any test certificate or waiver certificate shall not relieve the Contractor from any of its responsibilities under the Contract.

Employer's right to inspect, test and, where necessary, reject the Goods after the Goods arrival in Employer premises shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by Employer or its representative prior to the Goods' shipment from the place of origin.

3.6.5 Rejection:

If, as a result of an examination, inspection, measurement or testing, any Plant, Materials or workmanship is found to be defective or otherwise not in accordance with the Contract (all such matters being hereinafter, called 'Defects'), the Engineer may reject the Plant, Materials or workmanship by giving notice to the Contractor in writing of the said decision specifying particulars of the defects alleged to exist or to have occurred. The Contractor shall at his own expense and with all efforts would make good the defects so specified.

Further, Employer reserves the right to subject any part / component / equipment for re-test and on written instruction from Employer, the Contractor shall arrange for the re-test and the cost shall be reimbursed by Employer as per actual, only if the test results are satisfactory. In case of unsatisfactory test results, the part / component / equipment shall be rejected, and the Contractor shall be responsible for replacing the item at his own cost and also bear the cost of the re-test.

3.6.6 Remedial Work:

Notwithstanding

- (a) remove from the Site and replace any Plant or Materials which is not in accordance with the Contract,

- (b) remove and re-execute any previous test or certification, the Engineer may instruct the Contractor to any other work which is not in accordance with the Contract, and
- (c) execute any work which is urgently required for the safety of the Works, whether because of an accident, unforeseeable event or otherwise.

The Contractor shall comply with the instruction within a reasonable time, which shall be the time (if any) specified in the instruction, or immediately if urgency is specified under sub-paragraph (c). If the Contractor fails to comply with the instruction, the Employer may take, at the cost and risk of the Contractor, such steps as may in all circumstances be reasonable to make good such defects. The expenditure so incurred by the Employer will be recovered from the amount due to the Contractor. The decision of the Engineer with regard to the amount to be recovered from the Contractor will be final and binding on the Contractor.

3.7 COMMENCEMENT AND DELAYS:

3.7.1 Commencement of Work:

The work shall commence within 15 days of the issuance of the Letter of Acceptance / Work Order. If no notification received from the Contractor regarding commencement date, then 16th date from issuance of Letter of Acceptance / Work Order shall be treated as date of commencement. The Contractor shall proceed with the Works with due expedition and without delay. Commencement of work is subject to compliance with all the conditions precedent as mentioned in **Clause No. 2.26 and 2.28.1 of ITB (Section-I)**. The stipulated deadlines mentioned at **Clause No. 2.26 and 2.28.1 of ITB (Section-I)** would have to be strictly adhered to unless otherwise extended by Employer.

3.7.2 Time of Completion / Period of Contract:

The Contractor shall complete the whole of the Works, and each Section (if any), within the Time for Completion as indicated in Work Order / Letter of Acceptance for the Works or Section (as the case may be), including:

- (a) achieving the passing of the Tests on Completion, and
- (b) Completing all work, which is stated in the Contract as being required for the Works or Section to be considered to be completed for the purposes of taking over under **Clause 9 [Acceptance]**

3.7.3 Time Schedule/ Bar Chart:

The Contractor shall furnish the time schedule/ bar chart after receiving the LOA within 28 days. The work will be executed as per the time schedule.

Extension of Time for Completion:

The Contractor shall commence the works after being notified for award of work and shall proceed with the same with due expedition and without delay except as may, be expressly sanctioned or ordered by the Engineer or be wholly beyond the Contractor's control. The Contractor shall maintain the rate of progress required as per schedule.

The Contractor shall be entitled subject Contractor's Claims to an extension of the Time for Completion if and to the extent that completion of work *is* or will be delayed by any of the following causes:

- (a) changes ordered by the Employer,
- (b) delay in performance of work caused by orders issued by the Employer.
- (c) delay in providing work fronts or supply of any materials or services which are to be provided by the Employer,
- (d) exceptionally adverse climatic conditions,
- (e) force Majeure
- (f) other reasonable causes

If the Contractor considers himself to be entitled to an extension of the Time for Completion, the Contractor shall give notice to the Engineer for extension of time before expiry of the period of contract with details of the hindrance(s) on account of which he desires such extension as aforesaid with documentary evidence.

If the progress of work is held up owing to circumstances which, in the opinion of Engineer are beyond the control of the Contractor the Engineer may, at his discretion, grant to the Contractor such extension of time as he considers reasonable for the completion of the work.

The execution of the work during the extended period also should be only under the conditions and at the rate specified in the contract.

No claim shall be made by the Contractor on the grounds of executing the work beyond the completion period stipulated in the contract.

3.7.4 Liquidated Damage:

In case of delay in completion of the contract, liquidated damages @ half percent (0.5%) of the contract value per week of delay subject to a maximum of ten percent (10%) of contract value should be levied. Such liquidated damages will be deducted from any money due or become due to the contractor. The payment of such damages shall not relieve the contractor of his obligations to complete the work or from any other of his obligations or liabilities under this contract. During the CAMC Period, Rs.50/-day will be deducted for non-burning luminaries. The LD Should not be covered due to unavailability or break down of Power supply.

TESTS, IF ANY ON COMPLETION OF ERECTION & INSTALLATION AT EMPLOYER'S SITE:

- (a) On completion of erection / installation of the items under the work / facilities by the Contractor and also when trial runs & final adjustments at the site are completed in accordance with the Contract, the Contractor shall give the Engineer-in-charge notice in writing thereof and before making the tests on completion of 7 days' notice in writing of the date on which he will be ready to make the said tests in accordance with and in the manner prescribed in the specifications.

- (b) If any portion of work falls under the tests to fulfil the Contract conditions, tests of the faulty portion shall, if required by the Engineer-in-charge or by the Contractor, be repeated within a reasonable time upon the same terms and conditions.
- (c) If the Contractor neglects to make the 'Performance test' within the time stipulated, Employer shall nevertheless have the right of using the Installations at the Contractor's risk until the 'Performance test' is successfully carried out.

3.8 ACCEPTANCE:

Upon successful tests under **Clause No.3.8** / upon completion of work under this contract, the Engineer may accept the works and/or services, if defects or shortcomings are not considered essential and, the Contractor agrees to make good the deficiencies in confirmation with this contract. Further, no work shall be treated as accepted before the Contractor clears the site of scraps, unused materials, work shed, equipment and all such materials which were used for execution of the work and not required any more at the work site.

The Engineer may, at the sole discretion of the Employer, may accept part or section work if it is substantially completed.

The Contractor shall submit to the Engineer the "as-built" documents and operation and maintenance manuals in accordance with the Specification and in sufficient detail for the Employer to operate, maintain, dismantle, reassemble, adjust and repair this part of the Works. Such part shall not be considered to be completed for the purposes of acceptance until these documents and manuals have been submitted to the Engineer.

As soon as the works have been completed in accordance with the contract and have passed the tests on completion, the Employer shall issue a certificate in which he shall certify the date on which the works have been so completed and have passed the said tests, and the Employer shall be deemed to have taken over the works on the date so certified.

3.9 DEFECT LIABILITY / WARRANTY:

- 3.10.1** The Contractor shall warrant that the work or any part thereof under this contract will comply strictly with the contract or superior to what is defined, shall be first class in every particular case and shall be free from defects. The Contractor shall further warrant that all materials, equipment, and the supplies furnished by him will be new and fit for their intended purposes.
- 3.10.2** The warranty period shall be for a period of one year from the date of completion of the installation of the entire satisfaction of the works unless otherwise specified in the Scope of Work / Special Condition of Contract.
- 3.10.3** If during the Defect Liability Period any defect be found in materials and workmanship or of the work executed by the Contractor, the Contractor upon being notified, shall promptly, in consultation and agreement with the Employer and at its cost, repair, replace or otherwise make good such defect as well as any damage to the goods &

services and materials caused by such defect within a specified time or a mutually agreed time between the Contractor & Employer.

3.10.4 If the work or any part thereof cannot be used by reason of such defect and / or making good of such defect, the Defect Liability Period of the work or such part, as the case may be, shall be extended by a period equal to the period during which the work or such part cannot be used by the Employer because of any of the aforesaid reasons. In addition, the Contractor shall also provide an extended warranty for any such replaced or repaired component of the work for the period of minimum 12 months or as it may be stipulated in Contract Technical Specifications. Such obligation shall be in addition to the defect liability specified under **Clause 3.10.2** hereof.

3.10.5 If the Contractor, having been notified, fails to remedy the defects in accordance with the contract, the Employer may proceed to take such remedial action as may be necessary, at the Contractor's risk and cost.

3.10.6 In the event of repeated failure of any component or material or fitting, within the warranty period, it shall be treated as failure on the part of the Contractor and the Contractor shall have to promptly rectify the same at his own cost failing which Employer shall have the right to recover the cost from any other outstanding amount of the Contractor lying with Employer and / or any amount that may become due to the Contractor and the Contractor shall be debarred to participate in any of the tender of Employer in future.

3.10 MEASUREMENT:

Unless otherwise specified:

- (a) measurement shall be made of the net actual quantity of each item of the Permanent Works, and
- (b) The method of measurement shall be in accordance with the Bill of Quantities or other applicable Schedules.

3.11 VARIATIONS:

The variation or additional work must be a necessary part within the scope of the original works and should not completely change the scope/ character and purpose of the original contract. The variation may result in additional or reduced payments to the contractor or there may be no price change at all.

3.12.1 Variation means:

- (a) increase or decrease in the quantity of any work included in the BOQ of the contract.
- (b) omission of any such work (but not if the omitted work is to be carried out by the Employer by another contractor);
- (c) change in the character or quality or kind of work.
- (d) change in the levels, lines, position and dimensions of any part of the work.

- (e) additional work of any kind necessary for the completion of the works; and
- (f) change of the specified sequence or timing of construction of any part of the works.

At any time during the execution of the contract, by a written notice to the Contractor (Change Order), variations as specified above may be made in the scope of contract by Representative of Engineer, with due approval of competent authority.

3.12.2 Valuation of Variations:

Variations as specified in **clause 3.12.1** shall not in any way vitiate or invalidate the contract but the cost, if any, arising out of all such changes shall be taken into account in ascertaining the total amount of the contract price. Where the rate is available in the contract and the same is applicable to the additional work, in the opinion of the Engineer, the cost of the additional work shall be determined as per this available rate. But, if the rate for additional work is not available in the contract, the same shall be determined by the Engineer taking into account the market rate and labour cost at the site for similar works and shall be final.

3.12.3 Deviations from the specifications contained in the contract agreement, including the make / model, shall not be accepted. In case of any such deviation, payment shall not be made for that part of the work / item, even if it meets the functional requirements and has been accepted by the Employer. The payment for such portion of the work / item can only be released if the contractor makes good the deviations before the expiry of the warranty period so as to meet the specifications of the tender agreement in all respects.

3.12.4 Adjustments for Changes in Legislation:

If during the period of the contract, any statutory regulations or bye-laws, new tax / duty / cess or any other charge is imposed / levied / come into force by the Government / any statutory authority having impact on the payable amount to the Contractor only to the extent of the services to be rendered after commencement of work, then the same would be paid by VOCPA to the contractor at actual on production of relevant proof.

3.12 CONTRACT PRICE AND PAYMENT:

3.13.1 The Contract Price:

The Contract Price as specified in Letter of Acceptance / Work Order shall be for the entire Scope of the work towards execution and completion of the Works and the remedying of any defects. Price Schedule or Bill of Quantity of Contract Price is attached with Letter of Acceptance.

The Contract Price accepted in Indian Rupees shall include all duties, taxes and levies, transportations, incidentals, etc. as may be applicable and prevailing on base date of the Contract i.e. bid opening date but excluding Goods & Service Tax (GST).

3.13.2 Firm Contract Price:

The contract shall be firm, not subject to any escalation except in the event of a change in the scope of work or specification or as otherwise provided in the Contract.

3.13.3 Executed Contract Value:

The Employer hereby agrees to pay to the Contractor the Contract Price in consideration of the performance by the Contractor of its obligations and includes adjustments in accordance with the Contract or such other sums as may be determined in accordance with the terms and conditions of the Contract.

3.13.4 Payment Terms:

Contractor shall submit Tax invoice as per the provision of GST Act and rules. 100% of payment to the Contractor will be made on satisfactory completion of works and will be released within 15 working days from the date of receipt of the complete and correct invoices & relevant documents and unless any objection to such bill is raised by the Employer. Deductions & Recoveries will be made as per conditions of the contract. The quantity given in the Price Schedule / BOQ is only approximate and payment will be made as per actuals.

3.13.5 Taxes & Duties:

The Contractor shall pay all taxes, duties, cess, levies if any, fees and all other dues required to be borne & paid by him under the Contract, and the Contract Price shall not be adjusted for any of these costs except as stated in **Sub-Clause 3.12.4** [Adjustments for Changes in Legislation] on production of documentary evidence by the Contractor.

The Contractor shall bear and pay all the liabilities in respect of non- observance of all legal formalities as per various statutory provisions.

3.13.6 Goods and Service Tax:

3.13.6.1 The GST shall be paid by the Employer at the rates applicable from time to time on submission of bills / invoices as prescribed under GST rules mentioning the full details regarding the Name, Address, GST Registration Number of the bidder along with the description, classification and value of taxable services and GST payable thereon. The GST shall be reimbursed to the Contractor on his making available the GST claimed by him in GSTR against the Port GST number.

3.13.6.2 The GST TDS shall be applicable as per the section 51 of the CGST Act, 2017. [As per CGST Act, 2017] and shall be deducted at such rate as may be specified from the invoice of the Contractor.

3.13.7 Income Tax:

Income tax will be deducted at the rates as applicable from time to time. It is open to the contractor to make an application to the concerned Income Tax Authorities to obtain a certificate from them authorizing the department to deduct income tax at such a lower rate or deduct no tax as may be appropriate to his case. Such a certificate will be valid for the period specified therein unless it is cancelled by the Income Tax authorities earlier.

3.13.8 E-payment:

The Bidder should submit the consent in a mandate form for receipt of payment through EFT and provide the details of bank A/c in line with RBI guidelines for the same. These details will include bank name, branch name & address, A/c type, bank A/c no., bank and branch code as appearing on MICR cheque issued by the bank. Further, the Contractor should also submit a certificate from their bank certifying the correctness of all the above-mentioned information in the mandate form. In case of non-payment through NEFT or where NEFT facility is not available, payment will be released through cheque.

3.13.9 Deduction / Recoveries:

3.13.9.1 Deduction of taxes at source shall be made from the bill of the Contractor in accordance with the prevailing rules& regulations of Employer.

3.13.9.2 While performing under the contract, the damages caused by the Contractor or his/her workmen to any of the Employer's shall be promptly made good by the Contractor at his/her own cost. In case the Contractor fails to repair/replace the damage, the Employer shall have the right to take steps to make good the damages and all the cost on this account shall be recovered from the bills of the Contractor or any money due to the Contractor from this contract or any other contract or any other transaction. In determination of the damage, the opinion of the Engineer shall be conclusive.

3.13.9.3 Any dues arising out of failure on the part of the Contractor to carry out any obligation under the contract shall be deducted from the bills of the Contractor or from any money due to the Contractor from this contract or any other contract including Security Deposit and Performance Security

3.13.10 No Interest on Account of Delayed Payments:

Any claim for interest will not be entertained by the Employer 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 part of the Employer in making payment.

3.14 BREACH OF CONTRACT, REMEDIES AND TERMINATION:

3.14.1 Breach of Contract:

In the event of unsatisfactory performance or non-compliance with regard to the provisions of the Contract or omission or negligence or default or failure to comply with any of the conditions of contract, a breach of contract is said to have occurred by the Contractor of the terms and conditions of the Contract. In such cases, the Employer will issue notice to the contractor indicating such unsatisfactory performance or non-compliance by the Contractor, for compliance and if the Contractor fails to comply within a period of 15 days or within the time specified in the notice from the date of issue of notice, the Employer reserves the right to terminate the contract following the procedure as stated below:

-
- (a) Consequent to the failure of the contractor to comply with the notice issued for non-performance / breach of contract, the Employer will issue a notice giving the contractor 7 days' time asking him to show cause as to why the contract should not be terminated.
- (b) If no reply is received or if the reply received from the contractor within given time is found to be not satisfactory, Port will terminate the contract with immediate effect.

3.14.2 Termination of Contract for Default:

Without prejudice to any other remedy for breach of contract, by written notice of default sent to the Contractor, the Employer may terminate the contract in whole or in part, if:

- (a) the Contractor has seriously or repeatedly breached the contract including:
1. failure to complete the work within the time period(s) specified in the contract, or any extension thereof granted.
 2. substantial suspension of work for more than the specified days without authority from the engineer and failure to proceed with the work within the specified days of receipt of notice from the engineer without any lawful excuse.
 3. failure to obey instructions in relation to his progress or defective work, material or plant.
 4. failure to proceed diligently with the work.
 5. breach of the prohibition against sub-contracting.
 6. abandons the Contractor without reasonable cause.
- (b) the contractor committed fraud.
- (c) The contractor fails to perform any other obligation under the contract within the period specified in the contract or any extension thereof granted.

In such events,

- (a) the Performance Security and Security Deposit will be forfeited, for the loss or damages suffered by the Port due to the breach of the Contract committed by the Contractor. In addition, the Employer may also black list or suspend or debar the Contractor from participating in future tenders, as the Employer thinks deem fit.
- (b) the Employer will take over the site and complete the works himself or with another contractor (risk Purchase) and using the contractor's materials, equipment, temporary works. The Contractor shall remain liable to the Employer for any excess cost for such works and risk, if any
- (c) No payment shall be released in favour of the Contractor till all the balance works are completed in all respects. After the balance work is completed, the

Employer may consider payment for the items / goods that have been completed / supplied by the Contractor and accepted by the Employer after adjustment of any additional cost that have been incurred for completing the balance work and outstanding dues that are due to the Contractor.

However, the contractor shall continue to fulfil the contract to the extent not terminated.

3.14.3 Termination of Contract for Insolvency / Bankruptcy / Winding up, etc.:

The Employer shall be entitled to cancel / terminate the Contract before expiry of contract period, if the Contractor is declared as insolvent or bankrupt or is unable to pay its debts or makes a composition with its creditors or if a trustee, liquidator, receiver or administrator is appointed to take over the assets or the business or the undertaking of the Contractor or if a substantial portion of the assets, property, revenues or business of the Contractor is confiscated or expropriated by the Central / State Government or any governmental agency or third party or if the law relating to the sick companies applies to the Contractor or the Contractor is dissolved or wound up or if an order shall be made or an effective resolution is passed for the winding up of the Contractor or the Contractor is reconstituted or the business or operations of the Contractor is closed either due to disputes inter-se amongst its stakeholders or otherwise. Termination shall be affected by giving a written notice to the contractor, without compensation to the contractor, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to Employer.

3.14.4 Termination of Contract for Employer's Failure or Convenience / Foreclosure of the Contract by Port:

After placement of the contract, there may be an unforeseen situation compelling Employer to cancel the contract. In such a case, the Contract may be foreclosed by the Employer by giving 30 (thirty) days advance notice to the Contractor during the subsistence of the contract period without assigning any reasons. In such event, the Performance Security Deposit and Security deposit will be refunded to the Contractor. Also, the Contractor may be suitably compensated on mutually agreed terms for terminating the contract based on value of works executed, value of any materials lying at site, etc., and deducting from it: (i) pending advances; (ii) other recoveries; and (iii) taxes as due.

3.14.5 Discontinuance by the Contractor:

If the contractor is not in a position to continue the contract, the Contractor should give 90 (ninety) days in writing, prior to the proposed date of discontinuance of the contract to the Port. In such cases, the Performance Security and the Security Deposit shall be forfeited.

3.15 RISK AND RESPONSIBILITY:

3.15.1 Indemnification:

The Contractor shall defend, indemnify, and keep indemnified and hold the Employer, its officers and employees harmless from any and all claims, demands, injuries,

damages, costs, charges, compensation, losses, expenses, proceedings or suits including attorney fees, arising from

- a) Any breach or default in the performance of any obligation on the Contractor's part to be performed under the terms and conditions of this Contract or
- b) any negligence of the Contractor, or any of its agents, or its employees or the person provided for the purpose of this Contractor.
- c) non-fulfilment/ non-adherence/ non-compliance of any statutory provisions which is as per law the contractor is required to comply with.

The provisions of this section shall survive even after the expiration or termination of this Agreement.

3.15.2 Contractor's Care of the Works:

Care of Works From the commencement to the completion of works the Contractor shall take full responsibility for the care thereof and of all Temporary works and in case any damage, loss or injury shall happen to the works or to any part thereof or to any Temporary works from any cause whatsoever (save and except the Excepted Risks as defined in **clauses 15.3.**) shall at his own cost repair and make good the same so that at completion, the works shall be in good order and condition and in conformity in every respect with the requirements of the Contract and the Engineer's instructions. In the event of any such damage, loss, injury happening from any of the Expected Risks the Contractor shall if and to the extent required by the Engineer repair and make good the same as aforesaid at the cost of the Employer.

3.15.3 Excepted Risks:

The "Excepted Risks" are war hostilities (whether war be declared or not) invasion act of foreign enemies, rebellion, revolution, insurrection or military or usurped power civil war or (otherwise than among the Contractor's own employee's) riot, commotion or disorder or use or occupation by the Employer of any portion of the works in respect of which a certificate of completion has been issued or a cause solely due to the Engineer's design of the Works or any such operation of the forces of nature as reasonable foresight and ability on the part of the Contractor could not foresee or responsibility provide against or any such eventuality which are beyond the control of the contractor and the Employer (all of which are herein collectively referred to as "The Excepted Risks").

3.15.4 Patent Rights:

The Contractor shall fully indemnify Employer against any action, claim or demand, costs or expenses arising from or incurred by reason of any infringement or alleged infringements of letters, patents, design, trademark or name, copyright, or other protected rights in respect of any machine, plant, work, materials or things, system or methods of using, fixing working or arrangement used for fixed or supplied by the Contractor in India, or elsewhere.

All payments, or otherwise, shall be deemed to be included by the Contractor in the Prices named in the tender and shall be paid by him to whom they may be payable.

In the event of any claim being made or action brought against Employer in respect of any such matter as aforesaid, the Contractor shall be immediately notified thereof and he shall, with the assistance if he so requires of Employer, but at the sole expense of the Contractor, conduct all negotiations for the settlement of the same or any litigation that may arise there from, provided that the conduct of such negotiations or litigations shall be conditional upon the Contractor giving to Employer such security as shall from time to time, reasonably required by Employer to recover the ascertained or agreed amount as the case may be of any compensation, damages, expenses and cost which might be payable by Trustees in respect of or as result of any negotiation or litigation.

3.15.5 Damage to Property:

The Contractor shall be responsible for making good to the satisfaction of the Port, any loss or damage to any structures and properties within the Port premises if such loss or damage is due to fault and/or the negligence or willful acts or omission of the Contractor, his employees, agents, representatives and/or manpower deployed by the contractor. The contractor shall make good the loss as assessed by the Port.

3.15.6 Accident or Injury to Workmen:

The Employer shall not be liable for any damages or compensation payable at law in respect or in consequence of an accident or injury to any workmen or any other person in the employment of the Contractor and the Contractor shall indemnify and keep indemnified the Port against all such damages and compensation and against such claims, demands, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

3.16 INSURANCE:

- (a) Before commencing of execution of works the contractor shall insure against any damage, loss or injury which may occur to any property including that of the Employer or to any person including any employee of the Employer or arising out of the execution of the works in carrying out of the contract.
- (b) Minimum Amount of Insurance: Such Insurance shall be affected with an insurer for at least the awarded value of the contract and the contractor shall produce to the Engineers representative the policy or policies of insurance and receipts for payment of the current premiums, which is mandatory before admitting any bills for payment by Employer.

3.17 FORCE MAJEURE:

- (a) The term “force majeure” as employed herein shall mean including but not limited to, acts of God, war, revolt, riot, fire, flood and acts and regulations of the Government of India or any of its authorized agencies. In the event of either party being rendered unable by force majeure to perform any obligation required to be performed by them under this agreement, the relative obligation of the

affected party by such force majeure shall be suspended for the period during which such cause lasts.

- (b) Upon the occurrence of such cause and upon its termination the party alleging that it has been rendered unable as aforesaid thereby shall notify the other party immediately in writing of the alleged beginning and ending thereof giving full particulars and satisfactory proof and it cannot be claimed ex-post facto. The clause does not excuse a party's non-performance entirely but only suspends it for the duration of the Force Majeure.
- (c) The time for performance or relative obligations suspended by the force majeure shall be extended by the period for which the cause lasts or condoned by the Employer without any penalty. If the work is suspended by force majeure conditions lasting for more than 1(one) month, the Port shall have the option of cancelling the Contract in whole or in part thereof at its own discretion. Any situation of force majeure shall not be payable by the Port under any circumstances. For the period of force majeure, no amount shall be payable to the Contractor.

3.18 DISPUTE RESOLUTION MECHANISM:

3.18.1 Normally, there should not be any scope for dispute between the Employer and Contractor after entering a mutually agreed valid contract. When dispute/ difference / disagreement / claims of any kind arise, both the Employer and contractor should first try to resolve it amicably by mutual consultation failing which it shall be referred to conciliation & settlement Committee established by the Employer.

3.18.2 Amicable Settlement:

If a dispute of any kind, whatsoever, arises between the Employer and 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 the repudiation or termination of the contract, including any difference, question or disagreement by either party with any action, in action, opinion, instruction, determination, certificate or valuation of the Engineer; the matter in dispute shall,

- (a) refer to the Chief Mechanical Engineer, V.O. Chidambaranar Port Authority, Tuticorin.
- (b) In case the dispute is not resolved, the same shall be referred to the committee headed by Deputy Chairman and other members to be nominated by Chairman, VOCPT.
- (c) If the dispute remains unresolved, the same shall be referred to the Chairman, VOCPT, whose decision, in this regard, is final and binding on both the parties to the contract.

3.18.3 Conciliation:

In case any dispute is not resolved amicably as provided in **Clause 3.18.1**, the Contractor may agree to refer the matter to the conciliation & settlement Committee established by the Employer. The procedure for reconciliation and settlement shall be followed as per the guidelines issued by the Ministry of Ports, Shipping and Waterways (Conciliation and Settlement Guidelines).

3.18.4 Arbitration:

If an amicable settlement is not forthcoming, the Dispute shall be referred to the Society for Affordable Redressal of Disputes - Ports (hereinafter called SAROD - Ports). The dispute shall be dealt with in terms of the Rules of SAROD - Ports. The detailed procedure for conducting Arbitration shall be governed by the Rules of SAROD - Ports and provisions of Arbitration & Conciliation Act, 1996, as amended from time to time. The Dispute shall be governed by Substantive Law of India.

3.19 OTHER CONDITIONS:

3.19.1 Extras:

Any extra expenses incurred in connection to the Works by the Employer 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 Contract 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 Employer 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 Employer may determine.

3.19.2 Use of Ground:

On completion of Works or termination of his contract, he shall clear away all his tools, plant, rubbish, and other materials within a fortnight and handover and peaceful possession of the same to the Employer in a tidy and clean condition.

3.19.3 Use of Completed Portions:

3.19.3.1 Whenever in the opinion of the Employer, the work or any part thereof is in a condition suitable for use and in the best interest of the Employer requires the use, the Employer may take possession of the same. The Contractor shall, however, be not relieved of his pending obligations.

3.19.3.2 Prior to the date of final acceptance of the work by the Employer, all necessary repairs or renewals in work or part thereof so used on account of defective materials or workmanship or due to the operation's failure except normal wear & tear shall be at the expenses of the Contractor.

3.19.3.3 Such use shall neither relieve the Contractor or any of his responsibilities under the contract nor act as a waiver by the Employer of the conditions thereof. However, if, in the opinion of the Employer, the use of the work or the part thereof delays the completion of the remainder of the work, the Employer may grant such extensions of

time, as it may consider reasonable.

3.19.3.4 The decision of the Employer in the matter shall be final. The Contractor shall not be entitled to claim any compensation on account of such use by the Employer.

3.19.4 Employer's Lien:

Employer shall have a lien on 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 Employer 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 between the Employer and the Contractor.

3.19.5 Bribes and Commission:

Any bribe, commission, gift or advantage given, promised or offered by or on behalf of the Contractor or his or their behalf to any officer, servant, representative or agent of the Engineer or to any person on his behalf in relation to the obtaining or to be execution of this or any other contract with the Employer shall in addition to any criminal liability which he may incur subject the contractor to the cancellation of this and all other contracts with the Employer and also to the payment of any loss or damage resulting from any such cancellation, and the Employer shall be entitled to deduct the amounts so payable from any money otherwise due to the contractor under this or any other contract. Any question or disputes as to the commission of any offence under the present clause shall be settled by the Engineer in such a manner and on such evidence or information as he shall think fit and consider sufficient and his decision shall be final and conclusive.

SECTION IV

SPECIAL CONDITIONS OF CONTRACT

4.1 Joint venture

- 4.1.1 The invitation for bid is also open to Joint Venture (JV) / Consortium meeting the eligibility criteria defined in **Section – I (NIT)**.
- 4.1.2 Members / partners of Joint Venture (JV) / Consortium shall have an equity share of at least 26% (twenty-six per cent), provided that each such member shall, for a period of 2 (two) years from the date of commencement of the contract, hold equity share capital not less than 26% (twenty-six percent) of the subscribed and paid-up equity.
- 4.1.3 The maximum number of partners/ members in Joint Venture (JV) / Consortium shall be limited to three. All the partners shall be jointly and severally liable for the successful completion of the work.
- 4.1.4 The Joint Venture (JV) / Consortium should fulfil the criteria as specified in Section – I (NIT) collectively.
- 4.1.5 Where the bidder is a “Consortium”, it shall be required to comply with the following requirements:
- (a) Members of the Consortium shall nominate one member as the Lead Member who shall have an equity share holding of at least 26% of the paid up and subscribed equity. The nomination(s) shall be supported by a Power of Attorney, as per the format at **FORM-XIII**, signed by all the other members of the Consortium; Lead Partner / member is responsible for signing Agreement with VOCPA and shall be authorized to incur liabilities and receive instructions for and on behalf of all the partners of joint venture.
 - (b) The Tender / Bid shall contain the information required for each member of the Consortium.
 - (c) The Bidder shall include a brief description of the roles and responsibilities of individual members of the consortium, particularly with reference to technical and financial obligations.
 - (d) An individual (single entity) Bidder participating in the instant tender shall not be a member of any other Consortium participating in the instant tender; further, a member of a particular Consortium shall neither submit any tender individually nor shall be a member of any other Consortium participating in the instant tender.
 - (e) All members of the Consortium shall be liable and responsible jointly and severally for all obligations of VOCPA in relation to the contract throughout the contract period.
- 4.1.6 Successful bidder and Contractor have same meant for all purposes.
- 4.1.7 In Case of JV / Consortium the following forms should be filled in and submitted along with bid document

	FORM-XII	Declaration of Power of Attorney
	FORM-XIII	Declaration Of Power of Attorney for Consortium
	FORM-XIV	Joint Bidding Agreement (JBA)

4.2 Clause 2.16.2 (xiv) may be read as under:

“The scanned copy of valid Electrical contractor license ESA/EA/ESB issued by Licensing board shall be furnished.”

4.3 Commencement of Work:(Superseding Clause No.3.7.1 of GCC)

The work shall commence within 15days of the issuance of the Letter of Acceptance / Work Order. If no notification received from the Contractor regarding commencement date, then 16th date from issuance of Letter of Acceptance / Work Order shall be treated as date of commencement. The Contractor shall proceed with the Works with due expedition and without delay. Commencement of work is subject to compliance with all the conditions precedent as mentioned **at Clause No. 2.26 and 2.28.1 of ITB (Section-II)**. The stipulated deadlines mentioned **at Clause No. 2.26 and 2.28.1 of ITB (Section-II)** would have to be strictly adhered to unless otherwise extended by Employer.

**4.4 Time of completion/period of contract (May be read in conjunction with Clause No.3.7.2 of GCC) **

Upgradation of Illumination Level at Dock Area

The upgradation of illumination system and commissioning as per Technical Specification and Scope of Work shall be completed within a period of **10 ten Months** from the date of commencement.

Commencement of Warranty Period

Warranty period of 2 years will commence from the date of commissioning and acceptance of upgradation of illumination system

Comprehensive Annual Maintenance Contract (CAMC)

CAMC for a period of five years will commence from successful completion of 2 years warranty period.

4.5 Time Schedule/ Bar Chart:

The Contractor shall submit the bar chart for Upgradation of Illumination Level at Dock Area **in** accordance with **Clause No.3.7.3 of GCC**.

4.6 Liquidated Damage: (May be read in conjunction with Clause No.3.7.5 of GCC)

For Upgradation of Illumination Level at Dock Area

In case of delay in completion of the contract, liquidated damages @ half percent

(0.5%) of the contract value per week of delay subject to a maximum of ten percent (10%) of contract value (i.e summation of items from Sl.No.1 to 10 as per BOQ) should be levied. Such liquidated damages will be deducted from any money due or become due to the contractor. The payment of such damages shall not relieve the contractor of his obligations to complete the work or from any other of his obligations or liabilities under this contract.

During Warranty and CAMC Period

During warranty & CAMC Period, Rs.100/-day per luminary will be deducted for non-burning luminaries. The LD should not be covered due to unavailability or breakdown of Power supply from VOC Port end.

4.7 Payment Terms: (Superseding clause No. 3.13.4) of GCC

For Upgradation of Illumination Level at Dock Area

Contractor shall submit Tax invoice as per the provision of GST Act and rules. Payment as indicated below to the Contractor will be made on satisfactory completion of works and will be released within 15 working days from the date of receipt of the complete and correct invoices & relevant documents and unless any objection to such bill is raised by the Employer. Deductions & Recoveries will be made as per conditions of the contract. The quantity given in the Price Schedule / BOQ is only approximate and payment will be made as per actuals.

1. 60% payment for the supply of items as per the BOQ will be made after the supply of items as indicated in the BOQ and acceptance by the Port.
2. 40% payment will be made after Successful installation, testing and commissioning of the total items as indicated in the BOQ and acceptance by the Port. This will be onetime payment for complete system.

During Warranty

No payment to be made by VOCPA during warranty period.

During CAMC Period

Contractor shall submit Tax invoice as per the provision of GST Act and rules for each month in the succeeding month. 100% Monthly payment as per BOQ item at Sl.No.11 will be made to the Contractor on satisfactory completion of monthly CAMC and will be released within 15 working days from the date of receipt of the complete and correct invoices & relevant documents and unless any objection to such bill is raised by the Employer. Deductions & Recoveries will be made as per conditions of the contract.

4.8 Defect Liability/Warranty: (Read in Conjunction with ClauseNo.3.10)

For Upgradation of Illumination Level at Dock Area

Warranty period of 2 years will commence from the date of commissioning and acceptance of upgradation of illumination system (Superseding clause no.3.10.2 of GCC). Other clauses remain unaltered.

The manufacturers guarantee trouble-free working of the luminaries for two years from the date of acceptance shall be furnished. For this purpose, two years shall mean twenty-four calendar months during which the luminaries shall remain in commission and will not include period or periods during which the equipment shall be out of commission due to defective materials, bad workmanship etc., covered by the manufacturer's guarantee.

During the AMC period:

The bidder shall guarantee to supply required spares and consumables during the CAMC period for efficient and effective operation of illumination system. The Successful bidder shall guarantee to supply required spare luminaries and after Sales Service for a period of 10 years.

- 4.9 Inspection, Test & Acceptance:** The successful bidder shall provide all necessary facilities to the authorized representative of VOCPA for inspecting the progress of work for pre- dispatch inspection of the luminaries at their office premises. After the trials are completed satisfactorily at VOCPA premises which alone shall be the proof of acceptance of the luminaries, VOCPA will issue a certificate. If the performance of the luminaries is not satisfactory, the same are to be readjusted, replaced or changed as per the directions of Engineer –in- Charge and his decision alone shall be final and binding. The representative of the successful bidder shall also be present during the test, commissioning and acceptance of the meters.
- 4.10 Detail Technical specification of the luminaries confirming to technical specification outlined by VOCPA and fulfilling the design requirement and vendor list of luminaries and other ancillary items for successful execution of work shall be provided in technical bid by the bidder.**
- 4.11** Hot work during maintenance period is subject to adhering to safety measures prescribed by the Fire Section/ Safety office Department.
- 4.12** Contractor's Office: The buildings should not be used for residential purposes. The contractors shall at their own cost and expenses shall arrange for watch and ward security at the above location.
- 4.13** No cooking shall be permitted inside the work spot. No alcoholic drinks will be permitted inside the work spot and no personnel with alcoholic influence will be permitted to enter the work spot. The contractor shall ensure that the personnel employed for this work do not smoke inside the Port area.
- 4.14** Statutory requirements as per Labour Department and Dock Safety Inspectorate as per regulation should be adhered by the Contractor.
- 4.15** All safety precautions shall be strictly adhered to.
- 4.16** The contractor and their employees should be complied with Quality Management (ISO 9001:2015, EMS ISO 14001:2015 and OHASAS 18001:2007) Electricity Act, Dock Safety regulations.
- 4.17** The contractor shall allow his laborers for the government notified national and local festival holiday and such closed holidays for the Port declared by the employer and also have due regard

to local religious and social customs in respect of laborers employed by him.

- 4.18 The Contractor shall be responsible for any accident, damage or injury caused to any of his employees during the execution of this work and shall hold the VOCPA blameless in respect thereof and also in respect of any reason whatsoever.
- 4.19 The Contractor shall be solely responsible for reporting to the Port Authority and Police Department immediately of any serious or fatal accidents inside the Harbour premises to any of his employees/workmen engaged by him.
- 4.20 The contractor shall deploy disciplined work force. If any person (s) noticed for malpractice/ disobedience / noncompliance of work, the contractor is responsible for the misbehavior and the concerned will not be entertained inside VOCPA further. The damage / loss caused shall be rectified by the contractor.
- 4.21 The staff provided by the contractor are found to be indulging in any undesirable or unfair activities on the premises of the office, the contractor will solely be responsible for all the consequences apart from the liberty of office lodging complaints before appropriate authorities.
- 4.22 The contractor shall furnish contact telephone number, Mobile number & contact address of representative of contractor.
- 4.23 Unauthorized person belonging to the contractor are not allowed to enter port premises.
- 4.24 Accidents: Any accidents including death caused to the contractor or workers during course of execution of work or elsewhere will be taken care by the contractor(s) themselves and Port is no way responsible for the same. The port is not responsible for any loss of life or damage or theft of materials. All the materials should be kept in the safe custody of the Contractor.
- 4.25 The contractor shall supply the PPEs (safety helmet, Gloves, shoes, reflecting jackets, diversion boards, etc) to the workers for carrying out maintenance works in a safe manner.
- 4.26 The contractor shall pay the monthly salary to the technicians before the 7th day of every month.
- 4.27 Any manpower shall apply leave, the contractor is requested to deploy a fresh manpower as required.
- 4.28 The contractor is required to pay bonus as per the Bonus act to the manpower deployed and the same shall be reimbursed at actual by the Port upon submission of proof of payment to the provided manpower.
- 4.29 The contractor shall furnish the valid labour license under contract labour (Regulation and abolition) Act 1970 within 30 days from the date of work order and comply with all necessary required provisions of the above act as amended and rules /orders framed there under from time to time and shall hold valid license throughout the contract period.
- 4.30 The contractor shall be responsible for disputes that may arise between the contractor and the manpower contractor and its amicable solutions.
- 4.31 STAFF: The staff engaged by the contractor shall be given periodical safety training and periodical medical check-up by the contractor Electrician/Supervisor working in electrical accessories shall be qualified as per the requirement of the electricity act.
- 4.32 **Final Inspection, Acceptance and Payment:**

The Contractor shall, two months prior to the expiry of the Contract Period, notify VOCPA inwriting for inspection in order to handover the smart meters and software

and hardware materials to Port in a reasonably good and working conditions. VOCPA shall make a final inspection within 30 days of receiving such Notice from the Contractor and take over the meters on expiry of the Contract. In case of any defect or abnormality, observed during inspection, and shall be made good by the Contractor at his own cost within a reasonable period and thereafter certificate of final acceptance / completion certificate will be issued either on completion of contract or on rectifications of defects or abnormalities whichever is later. For this purpose, payment for the last 2months shall be withheld. Upon receipt of the certificate official acceptance, the Contractor will make application to VOCPA for final payment within 30days. VOCPA make payment to the Contractor within 30days after receiving the final payment invoice complete in all respects.

SECTION V

TECHNICAL SPECIFICATIONS

Mast design criteria of 30mtr High Mast: -

The mast shall be designed in such a manner that, it is capable of withstanding external forces exerted by wind speed @180KMPH.

Applicable standards

The following shall be the reference standards for manufacture and design compliance of High Mast.

Sl. No	Code No.	Title
a)	IS 875 (Part 3): 2015 + Amd.1:2016	Code and practice for wind loads.
b)	ILP PLG07: 2013 (High Mast Lighting)	Specification For Mast Foundation
d)	BS EN 40 (esp. EN 40-3-3 for steel masts)	Structural Design
e)	BS EN 10025 (S355) or IS 2062 E350	Mast Sections
f)	IS 2062.	Base plate, Top plate and Accessories
g)	IS 9595 (latest) or BS EN 1011	Welding
h)	BS EN ISO 1461 only	Galvanizing
i)	BIS 10947-1984	Lighting for ports and Harbour.
j)	IS 3043:2018	Earthing

1. **Structure:**

The high mast structure shall be of continuously tapered polygonal cross section [at least 20 sided for 16 Mand above]. The Mast structure should be designed for suitable wind loads as per IS 875.

2. **Construction:**

The mast sections shall be manufactured from special steel sheets conforming to BS EN 10025 (S355) or IS 2062 E350 or equivalent cut and folded to form a continuously tapered polygonal section having a single longitudinal weld by MIG welding process. The welding shall comply BS 5135 or IS 9595. Masts shall be delivered in multiple sections which shall be assembled at site by slip-stress-fit method. The minimum overlap distance shall be 1.5 times the diameter at penetration. There shall be no circumferential welding in any section. No site welding or bolted joints in the mast sections shall be allowed. The dimensions of the mast sections shall be decided based on sound and established design norms as per

BS 5649 & ILE TR7.

The Base and Top plates without any laminations shall be welded to the bottom and top sections respectively. The welded joints shall be fully penetrated and developed to the strengths of the respective sections. The Base and Top plates shall be provided with supplementary gussets between the bolt holes to ensure elimination of helical stress development.

Mast base section will have a lockable door of size 1400mm X 300mm for easy access to winch and power tool operations. Bottom of door shall be 600mm above the top of the base plate. The door design shall be done in accordance with relevant standards and practices and adequately reinforced for prevention against buckling.

Provisions for fixing safety wires shall be made in the bottom section. All sections shall be hot dip galvanized as per BS EN ISO 1461. Galvanization shall be done by single dip method for uniform thickness and better aesthetic appearance.

3. **Dynamic Loading:**

The Mast sections should be designed based on basic wind speed data as mentioned at 10m level IS 875 (Part 3): 2015 + Amd.1:2016. The structural design of the mast shall comply with BS EN 40 (esp. EN 40-3-3 for steel masts) guidelines.

The foundation design shall be made by taking into consideration the following:

1. Dynamic loading on the mast as per ILE TR 7 and IS 875 and
2. Static load of the total mast structure
3. **RCC Foundations and Soil conditions:**

The High Mast Towers along with base plates shall be erected on the concrete foundation as per enclosed drawings. The firms shall furnish necessary RCC foundation drawing for approval based on the soil bearing capacity Test results/OEM. The foundation shall be designed to meet the soil conditions. The foundation shall have adequate bolts of adequate diameter and height for anchoring the base plate of the mast. The contractor shall ensure correct vertical and horizontal alignment of the foundation bolts while carrying out the foundation works by using suitable steel template. The height of the foundation shall be 500 mm above the nearby level of the road. Conducting soil bearing capacity Test for pile foundation is in the scope of the contractor.

4. **Raising and Lowering Mechanism:**

The high mast shall have an optimally balanced system for raising and lowering the Luminaries and control gearboxes for regular maintenance work. The same shall be provided by means of a double drum winch with double gear fixed at the base, 2 wire suspension wire ropes system, a specially designed 4-pulley head frame assembly. The winch mechanism shall be suitably connected to "fixed 3 phase, 415 V Electric Motor" and is operated through forward and Reverse Contactor with push button control to raise/lower the lantern carriage.

5. **Head Frame:**

M.S. fabricated hot dip galvanized housing using IS 2062 grade steel accommodating 6 CA pulleys with stainless steel pins for the suspension wire

ropes and up to 3 such smaller pulleys for the electrical cables. Pulleys are grooved suitably to ensure that the wire ropes/cables do not get dislodged from their positions while raising/lowering. Self-lubricating bearings and stainless-steel shafts shall be provided for smooth and maintenance free operation throughout the mast life.

The headframe shall be made in three compartments placed 120 degrees apart for most optimum balancing of lantern carriage. Head frames shall have top canopy in tripod shape to protect the mast from entry of water / solid particles etc from the top. Top canopy shall have provision for fixing lightning arrestors of suitable design.

6. Lantern Carriage:

A fabricated hot dip galvanized lantern carriage shall be provided for mounting luminaire arm assemblies as per design offered. The lantern carriage shall be as per accepted manufacturer standard. The flanges shall be joined at site by stainless steel bolts and nuts. Inner side of the lantern carriage shall be provided with a separate guide ring with rubber padding to protect the mast surface while raising and lowering of the lantern carriage.

7. Luminaire Arm Assembly & Flood Light Fixtures:

Luminaire arm assembly shall be fabricated hot dip galvanized to be fixed on the lantern carriage for mounting of luminaries. Each arm should be suitable for accommodating up to 2Nos LED lighting luminaries. The length of the luminaire arm assembly shall be 300mm in case of integral luminaries.

8. Suspension Wires:

Three-wire suspension assembly from compensating disc to the lantern carriage shall be made of 8 mm dia stainless steel wire rope as per AISI 316 or better Grade. No joints shall be allowed in any length of the wires. The ends of the wire rope shall be suitably secured in the winch block with thimbles.

The wires from compensating disc to the double drum winch shall be made of 8 mm dia stainless steel wire rope of the same grade as above.

Breaking load capacity of each wire rope shall not be less than 2100kg with a factor of safety not less than 5.0. The Manufacturer Test certificate for the rope shall be produced.

9. Compensating Disc:

A separator of MS Construction hot dip galvanized having provision for fixing 3nos. suspension wires on upper deck at 120 degrees apart and provision of fixing two nos. wires from double drum winch. It will also have the provision to connect two nos. safety wires from both sides of the base of the mast.

Shape/size of the compensating disc shall be designed for its free movement up to top of the mast. When the lantern carriage is at mast top, the compensating disc position shall be at door level.

Compensating Disc is mandatory as per I.L.E., TR-7. Compensating disc enables dismantling of *DID* (Double Drum) winch, which is essential during the design life of

the mast, by way of the safety wires.

10. **Double Drum Winch:**

The double drum winch with double gear shall be completely self- sustained without the need for brake shoe, springs and clutches. The winch shall have self- lubrication mechanism by means of an oil bath. The winch assembly shall have simultaneous and reversible operation of double drum winch with double gear. The gear assembly shall be essentially made of phosphor bronze for optimum design life. The gear ratio shall be 53:1 and safe working load capacity shall not be less than 1000 kg, 2–5 kW (re-sized per load; exact kW as per design)

The winch drums shall be grooved to ensure perfect seat for stable and tidy rope lay with no chances of slipping of ropes. The rope termination in the winch shall be such that distortion or twisting is eliminated and at least 5 to 6 turns of rope remain on the drum even when the lantern carriage is at fully lowered position. It should be possible to operate the winch manually by a suitable handle or by an integral power tool. It shall be possible to remove the winch after dismantling it from its mounted position and re-fix it through the door opening. Type test certificate for similar type of Winch manufactured be submitted by the successful bidder.

11. **Electrical Hoist Cables:**

The electric cable shall be 2x 5 core x 4.0 sq.mm. round type made of strands of plain copper wires ATC conductor, EPR insulated, Cotton braided, and PCP outer sheathed with black cable and flame retardant to get flexibility and endurance with Rodent proof coating, core identification in accordance with VDE 0293 or equivalent.

The cable shall be highly flexible for optimum design life, and the bending radius shall be not more than 60mm and VDE (or equivalent) approved for hoist applications.

Base end of the cable shall relate to a 5-pin male *metal clad* plug, which can move easily with the cables during raising/lowering. A 5-pin *metal-clad* socket shall be provided at the bottom of the mast for cable termination. **The trailing cable to the high mast shall be rodent proof.**

12. **Junction Box:**

Two Nos. Weatherproof **junction box** IP 65 made of Cast Aluminum shall be provided on the lantern carriage for connecting the luminaries, control gears and the cable. The number of ways is decided by the no. of luminaries to be connected. The connectors shall be CBT type Terminals. 20% of the spare paths shall be provided in JB.

13. **Power Tool and Control Panel:**

A suitable high powered, electrically driven and electrically controlled, _____ portable, internally mounted, removable power tool with manual override shall be provided for the raising and lowering of the lantern carriage.

The power tool mounting shall be so designed that it will not only be self-

supporting but also it shall align itself perfectly with respect to the winch spindle during the operations. A handle for manual operations shall be provided as per standard practices.

Power tool shall consist of 3phase 415volts, 50c/s motor and a gear box to match winch gear ratio duly coupled with each other. It shall be of reversible speed type.

A controlling unit for rotation changes of motors with provision of torque limiter by way of using electric circuits for electrical protection shall be provided.

A cable of 4 Core x 2.5 sq.mm. copper conductor, unarmored, sheathed cable for motor supply (max. 10 Mtrs.) shall be provided from control panel to feeder pillar at the base of the high mast. **Two Nos.** Control Panel (with forward and Reverse Contactor) and pendent switch (forward and Reverse push button control to raise/lower the lantern carriage.) for the geared motor shall be included in the High mast price and no separate item/ qty. is considered.

14. Aviation Obstruction:

Suitable Aviation Obstruction Lights of reliable design and reputed manufacturer shall be provided on top of each mast. The Aviation fitting shall be Heavy duty & whether proof and yellow painted die-cast aluminum alloy suitable for housing two nos. LED based aviation obstruction lamps. The Omni directional red color light shall be ES lamp holders & prewired up to the terminal block. The unbreakable, red-colored polycarbonate dome shall be provided and secured to housing by 3 nos. screws. The Aviation obstruction light shall be Degree of protection: IP65+ (per ICAO Annex 14, Vol I, Low/Med intensity) and Electrical safety - Class I- and 38-mm dia. threaded stem with lock nuts for mounting on the pipe above the high mast structure to be provided.

15. Earthing & Lightning Protection:

The earthing and lightning protective system shall comply with all currently applicable standards, regulations and safety codes of the locality where the installation shall be carried out. The installation work shall confirm the latest IE rules, standards < 1 Ω (with parallel electrodes/chemical earthing if needed) and other relevant code of practices.

One number heavy duty hot dip galvanized lightning finial shall be provided for each mast. The lightning finial shall be minimum 1.2 M in length and shall be provided at the center of the head frame. It shall be bolted solidly to the head frame to get a direct conducting path to the earth through the mast. The lightning finial shall not be provided on the lantern carriage under any circumstances in view of safety of the system. GI strip of size 50x6 mm for control panel and for lightning 50x6 mm shall be used.

16. Junction box:

The outdoor Junction Box for Power supply arrangement shall be pedestalling type (with top canopy), IP 65 compliant and dust, damp, vermin & weatherproof,

fabricated from SS316 grade sheet (2.5 mm thick), angle & flat. It should be provided with double shutter, handle with lock and key system. The Junction Box should be designed in such a way that it should be spacious for easy maintenance. The design & drawing of the Junction Box should be approved by the Engineer, prior to manufacture.

The Junction Box shall be provided with PVC sleeved (with color code) electrolytic grade tinned copper connection bus bar (for 3 Phases & Neutral) of suitable size & following items.

17. Data Sheet for new 30Mtr High mast tower: -

Sl. No	Description of lighting mast	Specification
1.0	High mast height incl. luminaries' carriage	30Mtr
1.1	Material construction (BSEN 100025 or Equity)	GR S355
1.2	Welding	As per IS
1.3	No. of Sides	20
2.0	Mast section details	
2.1	Top diameter (in mm)	208
2.2	Base diameter (in mm)	666
2.3	Number of sections	3 (One longitudinal welds per section except for bottom section where two longitudinal welds allowed)
2.4	Top sections length (mm) x thickness (mm)	10650x4 (Minimum thickness 4mm)
2.5	Middle sections length (mm) x thickness (mm)	10650x5 (Minimum thickness 4mm)
2.6	Bottom sections length (mm) x thickness (mm)	10650x8 (Minimum thickness 4mm)
2.7	Over lapping (between section)	1000/900
2.8	Base flange diameter (mm)	890
2.9	Base flange thickness (mm)	32
2.10	P.C.D (mm) x hole dimensions (mm)	790
2.11	No. of bolts (Min Qty)	20
2.12	Foundation bolts details	1200 x32mm
2.13	Metal treatment protection for Mast	Galvanized
2.14	Thickness of Galvanization (Min)	As per BS EN ISO 1461
2.15	Size of opening and door at base	1400mm x 300mm
2.16	Type of locking arrangement	Anti- Vandalism
2.17	Size of Anchor plate & thickness	890mm x 6 mm
2.18	Details of template	890mm x 6mm
2.19	Weight in Kgs of mast incl base	Approx 1797kg

2.20	Plate, door, head frame (in Kgs apprx)	
2.21	Head frame weight (Kg)	60
2.22	L Ring/luminaries loading on Mast Head (Kgs)	Approx 600Kg (depends on lum configuration)
2.23	Total load for foundation/ Crane arrangement kgs	2500Kg approx.
3.0	Foundation details	
3.1	Type of foundation	Open raft type RCC
3.2	Size of foundation	As per soil data to be given by contractor
3.3	Designed load bearing capacity	To be given by contractor
3.4	Design safety factor	>2
4.0	HEAD FRAME	3-Point
4.1	Construction	MS Fabricated
4.2	Metal treatment protection for head frame	Galvanized
4.3	Pulley arrangement for steel wires	3 sets of pulleys
4.4	Pulley arrangement for Electrical cables	1 set of pulleys
5.0	LANTERN CARRIAGE	
5.1	Material of Construction	IS 2062
5.2	Diameter of Carriage ring (mm)-1No	1200/1600
5.3	Construction	MS Fabricated
5.4	Number of joints	Accepted Manufacturer standard
5.5	Buffer arrangements between carriage & Mast	To be provided
6.0	Compensating Disc between L/Ring & D/D winch	Provided
6.1	Compensating Disc mandatory RE.ILE TR7 (Cl.3.6)	
7.0	Safety locking on both sided of base of mast	Provided
8.0	Winch	D/Drum, 750Kg Cap
9.0	Stainless Steel Wires diameter	
9.1	Number of ropes	2/3
9.2	C/disc to D/d. winch	Two (8mm size)
9.3	C/disc to Lantern Ring	Three (8mm Size)
9.4	Thimbles & terminals	Provided
9.5	Factor of safety	>5
10.0	POWER TOOL	Integral
10.1	Model	Crompton Greaves/ Hindustan/ Bajaj/ Philips /

10.2	Input Supply	415V, 50C/s, 3Phase
10.3	Wattage	15KW
10.4	Num. of speeds	Single
10.5	Reversible/non-reversible	Reversible
10.6	Operating speed	900 RPM
11.0	Lightning arrester (1.2Mtr length)	To be provided
12.0	Aviation obstruction light LED	2Set
13.0	Earthing with two earth pits	To be provided
14.0	Trailing Cable	5 Core 2.5 Sqmm EPR Insulated copper Trailing cable

18. LED luminaires:

The LED luminaries shall be integral type. LED type shall be SMD (Surface Mounted Device) type LED. The luminaire shall have **LM -79** test report from a NABL accredited laboratory. The LED luminaire shall have 60 months' warranty from the manufacturer. **Both luminaries and drivers should have separate BIS nos. with valid register No.as per BIS norms and shall be submitted during drawing approval. Driver should have the BIS of the OEM/** Driver manufacturer.

The Operating Temperature shall be 0 to 50 °C. LM80 Test report for ambient Temperature of 55/85/105 °C, at rated and maximum current shall be submitted for SMD type LED.

Bidders are requested to offer same wattage for LED Luminaire for 30Mtrs High mast

TM-20 life projection calculation along with LM80 for all three ambient temperatures of 55/85/105°C as per applicable standard shall be submitted to substantiate that the life of LED chip shall be more than 60000 burning hours. The LEDs shall comply with Photo biological Safety norms as per IEC 62471 / EN 62471/ IS: 16108.

Preferred make of LED: CREE / LUMILEDS / NICHIA / OSRAM /CITIZEN / SEOUL / BRIDGE LUX.

Preferred make of LED Driver: PHILIPS/ MEANWELL / OSRAM / BAG

Housing	Housing extruded either Al. enclosure LED fixtures or die cast aluminum housing with epoxy powder coating and having cooling fins for effective heat dissipation. Separate cavities for LED and Drive.
Glass cover	Heat resistance toughened clear glass cover.
Light source	High power, high efficiency LED
Driver	Constant current Drivers should have in-built protection against high voltage surge >4kVp, open circuit & short circuit and >10 kVp external SPD shall be provided.
IP Rating	IP 65
Wattage	As per design (500 W+/-10%) offered design shall meet design

	criteria as specified in scope of work
LED Luminaire	LED type shall be SMD (Surface Mounted Device) type LED. The luminaire shall have LM -79 test report from a NABL accredited laboratory. The LEDs shall comply with Photo biological Safety norms as per IEC 62471 / EN 62471/ IS: 16108. LM-79 + LM-80 + TM-21 (life projection)
Mounting	Base mounting. Cable entry through bottom/side.
Wiring	3C X 1.5, PVC insulated PVC sheathed copper cable.
Burning hour	60,000 Hrs.
Overall system lumens efficiency	145 Lumens per watt

19. Outdoor Feeder Pillar with Intelligent smart lighting control system at the base of Mast.

A suitable board of non-hygroscopic material shall be provided at the base of the mast at door level. This will have Single pole MCBs of suitable rating for the lighting load of the mast for each circuit and CBT Connectors for cable Termination. The MCBs will terminate the in- coming supply and can be used as a local isolator during maintenance work. The system should have in-built facilities for testing the luminaries while in lowered position.

One or more 5 pin socket(s) shall be mounted for the electric cable(s). A 5-pin power socket shall be provided for 3-phase power tool operation.

The outdoor Feeder Pillar for High Mast shall be pedestalling type (with top canopy), IP 65 compliant and dust, damp, vermin & weatherproof, fabricated from **SS316 grade sheet (2 mm thick)**, angle & flat. It should be provided with double shutter, handle with lock and key system. The Feeder Pillar should be designed in such a way that it should be spacious for easy maintenance. The design & drawing of the Feeder Pillar would be approved by the Engineer, prior to manufacture.

The Feeder Pillar shall be provided with PVC sleeved (with color code) electrolytic grade tinned copper connection bus bar (for 3 Phases and Neutral) or 10sqmm., IC, EPR insulated flexible copper bus bar and following items:

Feeder pillar will have following components: -

i)	63Amps, 415 V, 4 pole MCB (10kA breaking capacity) Incomer	01 No.
ii)	32 A, 415 V, 3pole MCB (10kA breaking capacity) Out going	01 No.
iii)	32 A, 415 V, 1Pole MCB Out going	04 Nos.
iv)	Power contactor, 45 A, TP,415 V, 240V AC Coil AC-3 duty	01 Nos.
v)	Power contactor, 9 A, TP,415 V, 240V AC Coil, AC-3 duty	02 Nos.

vi)	Ring type CT, Primary-60A /18mA	03 Nos.
vii)	Push Button switch	02 Nos.
viii)	Connecting terminals (stud type), suitable for terminating 02 nos. 3C x 6 mm ² , 1.1 kV grade, Copper Conductor XLPE insulated ST-2 PVC sheathed armored cable [for motor supply]	01 set
ix)	Connecting type as per cable 31/2*150 and 31/2*50Sqmm LTUG Cable stud type	01set
x)	Smart lighting controller	01 set

Features of smart lighting controllers:

- Astronomical timer of 365 days' time zone with month wise civil twilight setting for seasonal variation compensation.
- Real time clock with very high-power reserve (60000Hrs.) more than 8years with WEB based auto update.
- Auto/ Manual facility for bypassing controller.
- HMI Display 1 6x2Lines
- Minimum 3Nos. Potential free contact to operate external contactor.
- Lantern carriage lowering/ raising mechanism along with required qty. of 4Cx6Sqmm Copper XLPE insulated cable for interconnection with motor and panel.
- Staggering facility (On/ off Phase wise) for energy saving during nighttime.
- Class-I meters for monitoring electrical parameters (V, A, kWh, PF etc.)
- All electrical alarm and Protection-Short circuit, Overcurrent, low amps, Over voltage, Under voltage, door open, low pf, etc.
- Wireless GPRS/GSM system to connect with web based remote monitoring and controlling through web-based software including generation of energy consumption reports.
- Considering 5 years web subscription including charges for SIM limited to GPRS/GSM.
- Comprehensive guarantees of 5years.

20. Load Point panel: -

Sl No	Load Point Panel will have following components:	
1	TPN/100A, 415V, SDFU in sheet steel enclosure (fitted with HRC Fuse) incomer and outgoing interlinks	02Nos
2	TPN, 40 A, 415 V, MCB (10kA breaking capacity) Outgoing for tapping power directly from incoming SDFU.	04Nos
3	70A.Triple Pole contractor (AC-3duty) Coil voltage-230V	1No
4	Electro-mechanical time switch (with rechargeable battery backup)	1No
5	By-pass Switch	01No
6	Busbar arrangements, connecting terminals (stud type),	01 set

	suitable for terminating 06 Nos. 3 ½ C x 25 mm ² , 1.1 kV grade, Aluminum Conductor armored XLPE cable.	
7	Provision for lighting inside Panel	01No

All the aforesaid components shall be mounted in the Junction Box by means of suitable cadmium passivated hardware. The Panel shall be complete in all respect with detachable gland plate, interconnection using necessary PVC insulated (1.1 kV grade) single core, flexible (stranded) copper wire. The Panel shall be provided with 02 nos. SS Terminal for earthing.

Foundation: Civil foundation to be executed as per attached foundation drawings. Load Point Panel shall be placed at least 800mm above the road level.

21. Outdoor type SS Pillar Box: -

Panel should be a Stainless-Steel type 316 grade, thickness:2mm thickness, suitable angle and flat mounted GI C type channel along with the following accessories.

Sl No	Description	Qty
1	400Amps, 3Pole +N disconnect switch	1No
2	250Amps, 3Pole +N disconnect switch	2Nos
3	125Amps, 3Pole +N disconnect switch	4Nos
4	Astronomical time switch with rechargeable battery backup	2Nos
5	MNX 70 3pole Contactor	2 Nos
6	Smart lighting controller	01 set
7	Suitable busbar arrangement with insulation, connecting terminals stud type suitable for terminating the Aluminum LTUG Cables, indication ON/OFF for each main	1 set

22. Earthing System:

General:

Plate Earthing shall be adopted. The earthing and lightning protective systems shall comply with all currently applicable standards, regulations and safety codes of the locality where the installation is to be carried out. Nothing in this specification shall be construed to relieve the Bidder of this responsibility. Wherever the GI is used it means that hot Dip **GI. Copper Chemical Earthing may also be allowed in case there is insufficient space for installation of GI plate earthing without any additional cost.**

Earthing Strip shall be of hot dip GI of size 50mmx6mm for Body & Neutral for protection against corrosion and it shall be readily accessible. The strip shall be connected to earthing terminals with Stainless Steel nut - bolts. Separate Earthing for Body and Neutral shall be provided.

The installation work shall confirm the latest applicable Electricity Rules, standards Plate Load Test per IS 1888 / SPT per IS 2131 and codes of practices. After award of the Contract, the Contractor shall, carry out soil test and measurements at the site. A

detailed earthing design shall be submitted for approval based upon the results of these tests. The total resistance of the earth grid shall be less than 1 ohm.

The earthing & lightning conductors and electrodes shall be supplied. Conductors shall be free from rust, scale and other electrical and mechanical defects and all materials used shall conform to relevant standards or approved by the Employer. The sizes, materials and quantity shall be listed.

Steel earthing conductors above ground shall be hot dip galvanized, unless otherwise stated, to prevent atmospheric corrosion. If painted steel conductors are required, they shall be painted with two coats of approved anti-corrosive paint.

Flexible braids of sizes & materials shall be supplied for earthing of operating handles of isolators and earthing of equipment on moving platforms.

The links in suitable enclosures shall be supplied for connection between each lightning conductor down comer and earth electrode. Cad welding type jointing equipment shall be supplied whenever specifically indicated.

23. **List of Preferred Make of Materials:**

Sl No	Items	Name of the Manufacturers
1	High Mast	PHILIPS /BAJAJ/ CROMPTON / GE/ TRANSRAIL / VALMONT
2	Light Fixtures (LED)	PHILIPS / BAJAJ / WIPRO / CROMPTON/GE
3	Terminal Blocks	WAGO & CONTROLS/ PHOENIX CONTACTS I OBO BETTERMANN
4	Contactors	L&T /SCHNEIDER/ SIEMENS/ ABB
5	Timers	L&T /SIEMENS/ TELEMCA NIQUE/ ABB
6	LT Cable (XLPE)	UNISTAR / FINOLEX/HAVELLS/ RPG ASIAN POLYCAB /KEI/TORRENT
7	LT Panels	SIEMENS / L&T / SCHNEIDER/ ABB
8	Selector switches, Push buttons, Emergency Switches	KAYCEE/ L & T / GE / BCH / LEGRAND
9	MCB/MCCB	L & T / SIEMENS / ABB / SCHNEIDER
10	Sub Distribution Board	L & T / LEGRAND/ SIEMENS/ SCHNEIDER/ HENSEL
11	Cable lug & Cable Gland	DOWELLS/ JHONSON/ RAYCHEM
12	Lightning Protection	DUVAL MESSIEN / SOUTH ASIAN ENTERPRISE LTD /OBO BETTERMANN
13	Item not covered above	As per samples approved by Engineer.

24. List of tools to be maintained (minimum) is given below:

i)	Emergency Light.	02nos.
ii)	Tool Kit consists of Screwdriver Set, Nose Pliers, Cutting Pliers, Test lamp, Tester, Screwdriver.	04 set
iii)	Hammer, Chisel, Pipe Wrench.	02set
iv)	Ring spanner full set	02set
v)	Double handed spanner full set	02set
vi)	Nylon Ropes with Pulley.	02 nos.
vii)	Hammer	02 nos.
viii)	Double end spanner, Box spanner.	02set
ix)	Set of Spanners (Ring and Open).	02set
x)	HT Gloves (11kV and above)	01 set
xi)	Allen key spanner set	02set
xii)	Electrical Portable Drilling Machine (including Bits).	01 no.
xiii)	Hacksaw	02 nos.
xiv)	Cable / conductor crimping tool	01 no.
xv)	Mini welding / cutting machine	01 no.
xvi)	Earth Resistance Tester.	01 no.
xvii)	Hydraulic Crimping Tools.	01 no.
xviii)	Tarpaulin Tent Set.	01 no.
xix)	Crowbar and Axe.	01 set.
xx)	Vacuum cleaner.	01 no.
xxi)	U type Dog clamp	30Nos.

SECTION – VI

SCOPE OF WORK

6.1 For Upgradation of Illumination Level at Dock Area

The subject work is intended to achieve a minimum of 25 lux of the entire dock area and 10 lux for the approach road area of the VOCPA premises. The work mainly consists of :-

- (a) Supply, erection, testing and commissioning of the 30Mtr High mast towers including foundation concrete along with luminaries as per BOQ
- (b) Shifting & relocating of 20ns of 20Mtrs High Mast, 8nos of 30mtrs and 4nos of 40mtrs of High Mast towers including new foundations as per BOQ
- (c) Replacement luminaires of all the existing High mast towers
- (d) Other related civil and electrical works as per BOQ

It may be noted that bidder has to design the complete illumination system to achieve 25 lux of the entire dock area and 10 lux for the approach road area of the VOCPA premises for which the quantities may vary to meet the requirement w.r.t BOQ.

- 6.1.1 The successful Bidder shall submit a Design Basis report after complete assessment of existing illumination system which will be scrutinized, and approval will be given by VOCPA within 7days of submission of Design Basis Report provided the DBR is in order. In case of any discrepancies, it will be intimated within 7days for needful action at Contractor's end.
- 6.1.2 At present-57Nos of 20Mtr High mast, 22Nos of 30Mtr high mast at operational area, 12Nos of 30Mtr high mast at coal yard area and 16Nos of 40Mtr high mast along with LED luminaries are available at the inside operational area for illumination of the said locations.
- 6.1.3 In between distance for high mast if is within the permissible limit, there is no requirement of shifting of high mast towers.
- 6.1.4 The Contractor shall submit drawings, Technical Specifications and documents for approval of VOCPA before procurement and installation/Construction.
- 6.1.5 The contractor shall provide the detailed design and calculations of the RCC

foundation as per the recommendations of the OEM.

- 6.1.6 As per the recommendations of the OEM, the foundation drawing of high mast should be obtained approval from the Civil Engg Dept of Port.
- 6.1.7 The contractor shall install the 30Mtr high mast along with 500W+/-10% LED luminaries with the suitable location as per approved DBR for achieving required illumination ie.25Lux minimum for entire Dock area and 10Lux at the approach road area.
- 6.1.8 The contractor shall remove, shifting and relocate the high mast ie.20/30/40Mtr high mast as per requirement to maintain the lux level (ie.minimum of 25 lux) at dock area as per the standard norms, after getting concurrence from the Engineer in charge.
- 6.1.9 The foundation concrete shall provide for the feeder pillar box for installing the same at nearby high mast tower.
- 6.1.10 The contractor shall provide the suitable LTUG Cable and trailing cable to high mast towers if required.
- 6.1.11 The contractor shall replace the SS Ropes for the existing highmast towers depending upon the condition of ropes.
- 6.1.12 The contractor shall replace the lantern carriage, GI Junction boxes, power socket, interconnecting cables, trailing cables for the existing highmast towers and newly erected items shall be properly placed and aligned.
- 6.1.13 The standard and calibrated lux meter only used for taking measurements at site.
- 6.1.14 The contractor is requested to supply, installation, testing and commissioning of web-based smart controller for all the high mast along with feeder pillar box.
- 6.1.15 The contractor shall provide suitable GI earth flat for earthing of each high mast as recommended by the OEM.
- 6.1.16 Before identifying and installation of new high mast towers, the location to be confirmed with MEE, Traffic and Civil Engg dept for hindrance free operation of traffic.
- 6.1.17 All necessary facilities for inspection, instruments, test equipments, drawings, specifications, labour, electricity, fuel, water, stores etc, shall be arranged by the contractor according to prior instructions by the contractor.
- 6.1.18 The required three phase 440V, AC Power supply shall be provided by Dept at free of cost. The contractor shall tap the power from the nearest point of source.
- 6.1.19 The contractor shall arrange the required scaffolding arrangement/Hydra cranes/ and machineries for removal and re-erection of the high mast at their own cost.

-
- 6.1.20 The contractor shall deploy vehicles for transportation man & materials during the complete contract period including warranty and CAMC period. The vehicle shall be available 24*7*365 days for complete contract period.
- 6.1.21 For replacing the SS ropes, winches and trailing cable, the contractor has to engage the heavy lifting equipment for removal and re-erection of the High mast at their own cost.
- 6.1.22 The entry permit pass for men and materials will be arranged by Contractor on chargeable basis as per prevailing rates.
- 6.1.23 Extra works ie. cutting, fixing clamps, required bolt & nuts, foundation concrete works and other related works in this regard is under the scope of contractor.
- 6.1.24 The contractor has to carry out the works as per the safety norms.
- 6.1.25 After completion of the entire work, the lux level to be taken in the presence of Dept official, safety officer and dock safety officer. The chart to be submitted to the concerned EIC.
- 6.1.26 In case of advance warning of cyclone, Lantern Carriage of High Mast should be lowered and shall be securely fastened at the bottom of the High Mast to avoid any damage. All the materials, men, tools and plants, required for the work shall be arranged by the contractor. No additional payment would be made for the said work.
- 6.1.27 During the execution of works, if any damage takes place in the existing utility, the same will have to be mended good by the contractor their own risk, cost and arrangement.

6.2 During warranty/Guarantee period of 2 years

- 6.2.1 After successful installation and commissioning of Illumination system the system will be accepted and warranty period of 2years will commence.
- 6.2.2 The Contractor shall fulfil obligations as per 4.8 of SCC.
- 6.2.3 During the warranty/Guarantee, the contractor is required to depute suitable technical Supervisor along with skilled/semiskilled manpower for maintaining the high mast and proper functioning of high masts and maintaining the illumination level consistently.
- 6.2.4 Also, apart from replacement of items under warranty, the contractor shall provide all spreares, consumables, etc during this period as and when required to ensure the system operates round the clock efficiently during the contract.

-
- 6.2.5 Lantern carriage of high mast to be lowered at least once in 3months and to apply required lubricants and to check the SS ropes and winches.
 - 6.2.6 Once in 15 days, the lux report is to be furnished to the concerned EIC.
 - 6.2.7 During the warranty period, the contractor shall replace the defect luminaries immediately. Accordingly, to keep the spare luminaries at site office.
 - 6.2.8 If required, the contractor shall replace the SS Ropes, trailing cables and MCB's.

6.3 During CAMC Period:

- 6.3.1 After successful completion of warranty period, CAMC period of 5 years will commence.
- 6.3.2 During CAMC period supply of all spares, consumables, T& P, etc shall be in the scope of the Contractor.
- 6.3.3 The contractor is required to engage required nos of suitable technical Supervisor along with skilled/semiskilled manpower for maintaining the high mast and proper functioning of high masts and maintaining the illumination level consistently.
- 6.3.4 Lantern carriage of high mast to be lowered at least once in 3months and to apply required lubricants and to check the SS ropes and winches.
- 6.3.5 Once in 15 days, the lux report is to be furnished to the concerned EIC.
- 6.3.6 During the warranty period, the contractor shall replace the defect luminaries immediately. Accordingly, to keep the spare luminaries at site office.
- 6.3.7 If required, the contractor shall replace the SS Ropes, trailing cables and MCB's.
- 6.3.8 The cranes if required shall be arranged by the Contractor

SECTION VII

SAFETY NORMS & EMS REQUIREMENTS

7.1 SAFETY CLAUSE:

- 7.1.1 The contractor should take all precautionary measures in order to ensure the protection of his own personnel moving about or working on the VOCPA premises and should conform to the rules and regulations of the VOCPA.
- 7.1.2 The Contractor should abide by all VOCPA regulations in force from time to time and ensure that the same are followed by his representatives, agents or sub- contractors, or workmen.
- 7.1.3 The contractor should ensure that unauthorized, careless, or inadvertent operation of installed equipment which may result in an accident for staff and/or damage to equipment does not occur.

7.2 EMS REQUIREMENTS:

- 7.2.1 The contractor shall ensure that all his workmen wear PPEs commensurate with the severity of work.
- 7.2.2 The contractor shall ensure industrial safety methods by executing his work at VOCPA.
- 7.2.3 The contractor shall ensure that all waste generated by his activities/work are moved to the respective dumpsites or taken for recycling at VOCPA.
- 7.2.4 The contractor has to give prior information on whether any hazardous chemical is used in his work and if so, the operational control to be exercised.
- 7.2.5 The contractor has to ensure that all his material handling equipment / transport Vehicles are emission tested.
- 7.2.6 The contractor has to ensure that his activities are in tune with the VOCPA EMS Policy (to be incorporated as part of the Contract)
- 7.2.7 The contractor's staff must be aware of the contents of MSDS in respect of chemicals / materials (if any).
- 7.2.8 The contractors' staff shall be competent to operate emergency appliances like fire extinguishers.

7.3 Hazardous Substances and Hazardous Site Conditions

- 7.3.1 Contractor shall not, nor shall it permit any other Person to bring any Hazardous Substances on the Site, other than Hazardous Substances to be used by Contractor or any Subcontractor in a manner that:
 - 7.3.1.1 does not violate any Applicable Laws, or Permits; and
 - 7.3.1.2 is consistent in quantity and with Good Solar Industry Practices for operating and maintaining solar energy conversion plants, such as motor fuels, solvents and lubricants (collectively, "Permissible Materials").
- 7.3.2 The contractor shall bear all responsibility and liability for:
 - a) any Hazardous Substances that are not Permissible Materials belonging to the Contractor or present on site; or
 - b) the handling of, or failure to handle, Permissible Materials in violation of Applicable Laws

or otherwise in any manner that constitutes negligence or willful misconduct by Contractor or any Subcontractor.

- c) Contractors shall use Hazardous Substances in performance of the Services in accordance with the Performance Standards, Applicable Laws and Good Solar Industry Practices and shall not:
- d) utilize, or permit or cause any Subcontractor to utilize, on the Site such Hazardous Substances as are prohibited under Applicable Law from being used in India; or
- e) import or use at the Site such Hazardous Substances as are prohibited under Applicable Law

NB: The section may be read in conjunction with related clauses of General Condition of Contract, Special Condition of Contract and Scope of Work.

ANNEXURE A

QUALIFICATION AND RESPONSIVENESS INFORMATION: LIST OF DOCUMENTS TO BE ENCLOSED

All bidders shall include the following information with their bids by scanning the relevant documents after being filled, signed with seal and serially numbered by the Bidder. The above shall be uploaded using their user-id and password in the E-tender portal on or before the last date of submission of tender mentioned in the NIT towards Cover A – Techno-commercial bid.

PART I (COVER A) – TECHNO-COMMERCIAL BID

Sl. No	Qualification Documents to be uploaded	Uploaded Page Ref No.
1	Form I – Bid cover letter (as per Section II, clause 2.16.2.(i))	
2	<p>Form II – Transaction details for remittance of Earnest Money Deposit (as per Section II, clause 2.16.2.(ii))</p> <p>Scanned copy of system generated proof towards successful payment of EMD in case of payment through online payment gateway mode in CPP e- tender web Portal OR scanned copy of proof towards successful payment of EMD in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks along with filled in Form-IIA OR valid Certificates by MSEs for claiming exemption along with filled in Form-IIB</p>	
3	<p>Form III – Financial capability (as per clause 2.16.2.(iii))</p> <p>Scanned copy of Profit & Loss statements for the last 3(three) years ending 31st March of the previous financial year duly certified by the Chartered Accountant in support of meeting Financial Capability</p>	
4	Form IV Similar Work Experience [as per Section II, clause 2.16.2.(iv)]	

	Scanned copies of work order(s) along with BOQ & respective satisfactory completion(s) / performance certificate(s) certificates in support of meeting Similar Work Experience	
5	<p>Form IV A – Details of TDS certificate (if applicable) (as per Section II, clause (as per Section II, clause 2.16.2.(iv)))</p> <p>In case of experience other than Central / State Government / Autonomous bodies / PSEs / PSUs / Public Limited Companies, the bidder has to submit scanned copies of TDS certificate</p>	
6	Scanned copies of (i) EPF registration certificate; (ii) ESI; (iii) Permanent Account Number [PAN]; (iv) Income Tax Return of preceding three years; and (v) GST Registration Certificate (as per Section II, clause 2.16.2.(v))	
7	Form V – Declaration of Authorized Representative (as per Section II, clause 2.16.2.(vi))	
8	Form VI – Schedule of No Deviation (as per Section II, clause 2.16.2.(vii))	
9	Form VII Declaration by the Bidder (as per Section II, clause 2.16.2.(viii))	
10	Form VIII – Bank Mandate Form (as per Section II, clause 2.16.2.(ix))	
11	Form IX -Tender Acceptance letter (as per Section II, clause 2.16.2.(x))	
12	Duly filled in Form-X – “Local Content declaration & Self Certification” [wherever applicable if specifically asked for in bid document] (as per Section II, clause 2.16.2.(xii))	
13	Form- XI - Integrity pact (as per Section II, clause 2.16.2.(xi))	
14	Details of Technical Manpower to be deployed for execution of work [wherever applicable if specifically asked for in bid document] (as per Section II, clause 2.16.2.(xiii))	Not applicable

15	Scanned copy of valid license "ESB/" "ESA"/"EA" grade issued by the Licensing Board [wherever applicable if specifically asked for in bid document] (as per Section II, clause 2.16.2.(xiv))	
16	Any other documents which need to be uploaded.	
17	Total number of pages uploaded by the bidder (mention the page no. starting from to end)	
	1. Starting page no.	
	2. Ending page no.	
	3. Total number of pages	

(Fill the page numbers where the documents have been uploaded in the table provided above)

(Signature of Authorized Person)

Place:

Name

Date:

Designation

Business Address:

.....

Seal

FORM I

(To be in the Firm's letter head)

Date:.....

BID COVER LETTER

1. Registered Business Name :
2. Registered Business Address :
3. Name, Designation & address of the Contact Person to whom all references shall be made regarding this tender :
4. Telephone / Mobile No. :
5. Fax :
6. E-Mail :

To

The Chief Mechanical Engineer,
Mechanical & Electrical Engineering Department,
V.O.Chidambaranar Port Authority,
Tuticorin – 628 004.

Sir,

1. We hereby apply to be qualified for the tender invited by the V.O.Chidambaranar Port Authority, Tuticorin as a bidder for the work “_____”
2. We hereby give our consent to the Port or its authorized Representative(s) to conduct any investigations to verify the statements, documents and information submitted and to clarify the financial and technical aspects of this application. For this, we hereby authorize (any Public Official, Engineer, Bank, Depository, Manufacturer, Distributor, etc.) or any other person or firm to furnish pertinent information deemed necessary and requested by the Port to verify statements and information provided in this application or regarding our competence and standing.
3. We, the undersigned, have read and examined in detail the Bid document in respect of the work intended and do hereby express our interest in executing the intended work.

4. We certify that goods & services offered shall be of best quality and the manpower who shall be deployed for the work are competent enough and have necessary qualifications for taking up this assignment.
5. The names and positions of persons who may be contacted for further information, if required, are as follows
 - a) For Technical: Shri/Smt (Name, position, Address, contact number and email id)
 - b) For Financial: Shri/Smt (Name, position, Address, contact number and email id)
 - c) For Personnel: Shri/Smt (Name, position, Address, contact number and email id)
6. We declare that the statements made and the information provided in the application are complete, true and correct in every detail.
7. We understand that V.O.Chidambaranar Port Authority reserves the right to reject any application without assigning any reasons.

Thanking you,

Yours faithfully,

(Signature of Authorized Person)

Place:

Name

Date:

Designation

Business Address:

.....

Seal

FORM IIA

(To be in the Firm's letter head)

Date:.....

Transaction details for remittance of Earnest Money Deposit (EMD)

The bidder shall upload system generated proof towards successful payment of EMD along with following filled in form in the bid document as follows

Sl.No	Beneficiary reference No.	Date of Payment	Amount (in INR)	Uploaded page No. reference
1				

(Signature of Authorized Person)

Place:

Name

Date:

Designation

Business Address:

.....

Seal

FORM IIB

(To be in the Firm's letter head)

Date:.....

.....

Exemption of EMD by the Micro and Small Enterprises (MSEs)

The bidder shall upload the requisite certificate of registration under **MSEs** along with following filled in form in the bid document as follows

Sl. No	Name of Enterprise	Udyam Registration Number	Enterprise type	Uploaded page No. reference
1				

(Signature of Authorized Person)

Place:

Name

Date:

Designation

Business Address:

.....

Seal

FORM III

(To be in the Firm's letter head)

Date:.....

FINANCIAL CAPABILITY

The details of Summary of Annual Turnover of the Bidder on the basis of the Audited Balance Sheet for the last three financial years shall be given as under

<i>Sl.No.</i>	<i>Financial year</i>	<i>Total Turnover</i>	<i>Uploaded page no. reference</i>
01	Year 20.... –	Rs.....	
02	Year 20..... –	Rs.....	
03	Year 20..... –	Rs.....	

Note: The Profit & Loss statement and Balance sheet to be uploaded shall be duly certified by the Chartered Accountant.

(Signature of Authorized Person)

Place:

Name

Date:

Designation

Business Address:

.....

Seal

FORM IV

(To be in the Firm's letter head)

Date:.....

.....

SIMILAR WORK EXPERIENCE

The Bidders experience in similar work carried out each in any Central / State Government / Autonomous bodies / PSEs/PSUs / Nationalised Banks / Public Limited or Private Limited Companies, etc., for evaluating the Eligibility Criteria for pre-qualification to be provided using the format as below:

Details of Similar Work Experience

Sl. No	Name of work	Value of work executed (in Rs.)	Work order reference No.	Contract period		Date of completion certificate	Name and address of the Client	Uploaded page no. reference
				Commencement	completion			
1								
2								
3								

Note:

1. The copies of the documents containing above information like work order and completion certificate have to be uploaded duly self-attested.
2. In case of experience other than Central / State Government / Autonomous bodies / PSEs/PSUs/ Public Limited Companies, the bidder has to submit TDS certificate for the past experience to be uploaded, as provided in **Form IV (B)**, only then the experience will be considered.

Yours faithfully,

(Signature of Authorized Person)

Place:

Name

Date:

Designation

Business Address:

Seal

FORM IV(A)

(To be in the Firm's letter head)

Date:.....

DETAILS OF TDS CERTIFICATE

In case of experience other than Central / State Government / Autonomous bodies / PSEs/PSUs/ Nationalized Banks / Public Limited Companies, the bidder has to provide the details of the TDS certificate in the form provided below and shall submit TDS certificate for the past experience to be uploaded, only then the experience will be considered.

Sl. No	Name of work	Value of work executed (in Rs.)	Work order reference No.	TDS Certificate		Name and address of the Client	Uploaded page no. reference
				No.	Amount		
1							

(Signature of Authorized Person)

Place:

Name

Date:

Designation

Business Address:

Seal

FORM V

DECLARATION OF AUTHORISED REPRESENTATIVE

(To be provided in non-judicial stamp paper with denomination not to be lesser than Rs.100/-)

(Separate Forms to be submitted for each Signatory with details of Proprietor or Partner or Managing Director)

I/We, (Name) being the (Partners/Karta/Managing Directors and whole time Director/Members of Managing Committee of Associations/Board of Trustees etc.) of (Name of the Bidder), hereby solemnly affirm and declare that the (Authorised Signatory) is hereby authorized, vide resolution No. (Resolution Number) dated (Resolution Date) (copy submitted herewith), to act as an authorized signatory for the business (Name of the Bidder) for which submission of bid is being filed under the tender. All his actions in relation to this tender will be binding on me/us.

Signature of the person competent to sign

Name:

Description:

Name of the Business Entity:

Acceptance as an Authorized Signatory

I (Authorised Signatory) hereby solemnly accord my acceptance to act as authorized signatory for the above referred business and all my acts shall be binding on the business.

Signature of Authorised Signatory

Name:

Description:

Place:

Date:

Note:

1. For the purpose of this tender and the Agreement, the tender, forms, Agreement and other documents shall be signed only by the persons, who are themselves in a position to undertake the work and possessing all other resources required for the purpose. The tender shall contain the name, residence and place of business of the person or persons

submitting the tender and shall be signed by the Bidder with his usual authorized representatives followed by the name and Description of the person signing the document along with a copy of the partnership deed. A copy of the constitution of the firm with the names and addresses of all the partners shall be furnished.

2. Tender by a corporation shall be signed in the name of the corporation by a duly authorized representative, and a power of attorney in that behalf shall accompany the tender. In the case of company, a copy of the Memorandum and Articles of Association shall be furnished.
3. Tenders may be submitted by agents on behalf of their principals, but in such cases the Board reserves the right to enter into contract with the principals, Director, with the principals and agents jointly as deemed appropriate.

FORM VI
SCHEDULE OF NO DEVIATION

This is with reference to Tender No....., for
“”

I/We, (Name of the Bidder / Authorised Representative of the Bidder) of M/s..... (Name of the organisation), hereby certify that there is no deviation from the Tender conditions either technical or commercial or tender enquiry and I/We am/are agreeing to all the terms and conditions mentioned and comprised in relation to the above-mentioned Tender.

Yours faithfully,

(Signature of Authorized Person)

Place:

Name

Date:

Description

Business Address:

.....
Seal

Witness with signature

1) Name & Address

.....
.....
.....

2) Name & Address

.....
.....
.....

FORM VII
DECLARATION BY THE BIDDER

(To be provided in 100 Rs Stamp Paper)

To, The Head of the Department.

I/We M/s. represented by its Proprietor / Managing Partner / Managing Director having its Registered Office at and do declare that I/We have carefully read all the conditions of tender with NIT No....., dated, Basis In(Name Of The Department) Department At V.O.Chidambaranar Port Authority for a period of -----, (including extension if any), if needed and accepts all conditions of the tender including amendments/corrigendum subsequently issued by the tender inviting authority, if any. Further I/we confirm our eligibility for this tender and quoted as per the tender condition and Governing laws of India, in case of typographical error found in submitted documents/affidavits/declarations, in this case we accept all the Terms and conditions of bid documents and hereby confirm as under.

1. I/We have not made any counter conditions stipulation and conditions, and I/We agree that in the event of any such counter conditions my/our tender will be summarily rejected, and such offer will not be evaluated and considered at all by you.
2. I/We do hereby declare that we have not been blacklisted/ debarred by any Central / State Government / Autonomous bodies / PSEs/PSUs / Nationalised Banks / Public Limited or Private Limited Companies, etc., from taking part in the tendering process.
3. I/We have not made any payment or illegal gratification to any person/authority connected with the tendering process so as to influence the tendering process and have not committed any offence under the Prevention of Corruption Act in connection with the tender.
4. I/We hereby declare that, all information furnished by me/us with this tender is true to best of my/our knowledge, belief and in case, if it is found that, the information furnished is not true or partially true or incorrect, I/We agree that my/our tender shall be summarily rejected without prejudice to the right of the board of Trustees of Port of V.O.Chidambaranar Port Authority to take further action in to the matter.

Witness's
Signature: _____
Name: _____
Address: _____
Tel. No: _____

Bidder's
Signature: _____
Name: _____
Address: _____
Tel. No: _____

Mobile no.: _____

Mobile No: _____

Date: _____

Date: _____

FORM VIII

BANK MANDATE FORM

1. Name of the company :
2. Status :
3. Bank Name, Address & Branch :
4. IFSC Code :
5. MICR Code :
6. Branch Code :
7. Name of the Authorised Person :
8. Signature of the authorised person
as per Bank :
9. E-Mail ID of Authorised Person :
10. Contact No. Landline/Mobile :

Copy of cancelled cheque may be enclosed if Bank signature not obtained.

Name & Seal of
the Bank with Date

FORM IX

TENDER ACCEPTANCE LETTER

(To be printed on company letterhead and filled, signed, and uploaded)

To

The Chief Mechanical Engineer
V.O. Chidambaranar Port Authority
Tuticorin-4

Sir,

Subject: “-----”

Tender reference No. -----

1. I/We have downloaded/obtained the tender document(s) for the above-mentioned tender/work from the website, namely <https://etenders.gov.in/eprocure/app>, as per your advertisement given in the above-mentioned website(s).
2. I/We hereby certify that I/We have read the entire terms and conditions of the tender documents from **Page No. to** (including all documents like annexure(s), schedules(s), etc., which form part of the contract agreement, and I /we shall abide hereby and agree the terms /conditions /clauses contained therein.
3. The corrigendum(s) issued from time to time by V.O.Chidambaranar Port Authority for the above subject work has also been taken into consideration while submitting this acceptance letter.
4. I/We hereby unconditionally accept the tender conditions of above-mentioned tender document(s)/ corrigendum (s) in its totality /entirety.
5. I/We do hereby declare that our firms have not been blacklisted/ debarred by any Govt. Department/ Public sector undertaking.
6. I / We certify that all information furnished by me/ us is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then V.O.Chidambaranar Port Authority shall without giving any notice or reason therefore, summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full earnest money deposit absolutely

Yours faithfully,

(Signature of the bidder with official seal)

Note: If the firm has been blacklisted or debarred or banned or delisted by any Government or Quasi-Government Agencies or Public Sector Undertaking in India, then the same should be declared properly after modifying the sentence, suitably.

FORM X

Local content Declaration & Self Certification as per the Government of India Order towards Public Procurement (preference to Make in India) vide Letter No. P-45021/2/2017-PP(BE-II), (revised) Dated.16.9.2020)

(To be provided on Rs.100/- non-judicial stamp paper)

I _____ (Name of the Person(s), S/o _____ at _____ (Address), working as _____ (Designation and name of the firm/Company/ partnership/ Joint venture), and I have been authorized to sign the Declaration / Self- Certification on behalf of firm / Company/partnership/ Joint venture do hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government towards Public Procurement (preference to Make in India) vide Letter No. P- 45021/2/2017-PP(BE-II), (revised) Dated.16.9.2020. That the information furnished hereinafter is correct to be of my knowledge and belief and I undertake to produce relevant records before procuring entity or any authority so nominated for the purpose of assessing the Local Content. That the local content for all inputs which constitute the said equipment has been verified by me and I am responsible for the correctness of the claims made therein. That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value addition norms based on the assessment of an authority so nominated for the purpose of assessing the Local Content, action will be taken against me as per the notification P-45021/2/2017- PP(BE-II), (revised) Dated.16.9.2020. I agree to maintain the following information in the company's record for a period of 8 years and shall make this available for verification to my statutory authority. Details of the location(s) at which the local value addition is made

- i. Name and details of the Domestic manufacture
- ii. Date on which this certificate is issued
- iii. Product for which the certificate is produced
- iv. Percentage of local content. (% to be mentioned)

Signed by me at _____ on _____

Authorized signatory

(Name of the Firm entity)

Note: Required particulars are to be filled properly for acceptance.

FORM XI

INTEGRITY PACT

General

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ____ day of the ____ (month and year) between, on one hand, the President of India, acting through Shri _____, [designation of the officer], V.O.Chidambaranar Port Authority, Government of India (hereinafter called the "PORT", 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 _____, (hereinafter called the "BIDDER/Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the PORT proposes to execute the work “_____” and the BIDDER/Seller is willing to offer/has offered the stores and

WHEREAS the BIDDER is a natural person, private entity, or any combination of them, constituted in accordance with the relevant law in the matter and the PORT is a Ministry of the Government of India performing its functions on behalf of the President of India.

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 entered into with a view to:

Enabling the PORT to obtain the desired said work 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 PORT will commit to prevent corruption, in any form, by its officials by following transparent procedures.

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

Commitments of the PORT

1.1. The PORT undertakes that no official of the PORT, 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.

1.2. The PORT 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.

1.3. All the officials of the PORT 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.

2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the PORT with full and verifiable facts and the same is prima facie found to be correct by the PORT, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the PORT 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 PORT the proceedings under the contract would not be stalled.

Commitments of BIDDERS

3. 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:

3.1. 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 Port, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.

3.2. 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 PORT 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.

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

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

3.5. The BIDDER further confirms and declares to the PORT that the BIDDER is the original manufacturer / integrator / authorized government sponsored export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the PORT 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.

3.6. 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 PORT 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.

3.7. 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.

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

3.9. The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the PORT 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.

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

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

3.12. 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 PORT, or alternatively, if any relative of an officer of the PORT 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.

3.13. 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 PORT.

4. Previous Transgression

4.1. 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.

4.2. 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. Bid Security

5.1. While submitting commercial bid, the tenderer shall furnish a Bid Security of Rs. _____ (Rupees _____ only) in accordance with the provisions of this RFP.

The Bidder has the option to provide the Bid Security either as a Demand Draft or in the form of a Bank Guarantee acceptable to the Authority, as per format at Appendix–II.

5.2. The Bid Security / Performance Security shall be valid upto a period of five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the PORT, including warranty period, whichever is later.

5.3. In case of the successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the PORT to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

5.4. No interest shall be payable by the PORT to the BIDDER on Bid Security / Performance Security for the period of its currency.

6. Sanctions for Violations

6.1. 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 PORT 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 Bid Security (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 PORT and the PORT 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 PORT, 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 PORT in connection with any other contract for any other stores, such outstanding payment could also be utilised 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 PORT, 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 PORT resulting from such cancellation/rescission and the PORT 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 of the Government of India for a minimum period of five years, which may be further extended at the discretion of the PORT.

(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 PORT with the BIDDER, the same shall not be opened.

(x) Forfeiture of Performance Bond in case of a decision by the PORT to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2. The PORT 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.

6.3. The decision of the PORT 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.

7. Fall Clause

7.1. The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems 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 product/systems or sub system was supplied by the BIDDER to 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 PORT, if the contract has already been concluded.

8. Independent Monitors

8.1. The PORT has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission. The Independent External Monitors appointed by Port are as follows:

1. Shri Trivikram Nath Tiwari, ILS Rtd,
301-B, Black – 3B, HIG DDA Flats,
Rani Jhansi Road, DDA complex,
Moti Khan,
New Delhi-110055
Phone No.9871788277
e-mail i.d – trivikramnt@yahoo.co.in

2. Shri. Hernanpriti Singh,
12, Belevredre Road,
Alipore, Kolkata-700027
hermanpriti@gmail.com

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

8.3. The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

8.4. Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.

8.5. 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 PORT.

8.6. The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the PORT 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.

8.7. The PORT 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.

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

9. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the PORT 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.

10. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the PORT

11. 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.

12. Validity

12.1. The validity of this Integrity Pact shall be from the date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the PORT and the BIDDER/Seller, 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.

12.2. 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.

13. The parties hereby sign this Integrity Pact at _____ on ____

PORT

BIDDER

Name of the Officer.

CHIEF EXECUTIVE OFFICER

Designation

V.O.Chidambaranar Port Authority

Tuticorin

Witness

Witness

1. _____

1. _____

ANNEXURE B

CONTRACT AGREEMENT FORM

This AGREEMENT is made on this day ofMonth of..... Two Thousand (..... 20....) between

The Board of V.O. Chidambaranar Port Authority, a body corporate under Major Port Authority Act, 2021, having its office at administrative building, V.O. Chidambaranar Port, Tuticorin – 628 004 (herein after referred to as the 'Board' which expression shall unless excluded by or repugnant to the subject or context be deemed to include the successor in office) of the one part.

And

M/s....., (a partnership firm / proprietorship firm / company registered under the laws of India) having its place of business at (Hereinafter referred to as 'Contractor' which expression shall, unless excluded by, or repugnant to the context be deemed to include his heirs, executors, administrators, representatives and assigns or his successors in office) of the other part

WHEREAS the Board of V.O.Chidambaranar Port Authority, Tuticorin is desirous of the executing the
“ ”

WHEREAS the Contractor has offered to execute, complete and maintain such works till handing over the Board and whereas the Board has accepted the tender of the Contractor for an amount of Rs.
..... (Rupees) only and

WHEREAS the Contractor has furnished a sum of Rs. /- (Rupees only) as Earnest Money Deposit (EMD) at the time of tendering, which will be adjusted against Security deposit as stipulated in **Clause No.2.13.5** of the **Section II** of the bid document and the Security deposit will be collected by deductions from the monthly running bills, at the rates mentioned therein for the due fulfilment of all the conditions of the Contract.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this agreement words and the expressions shall have the same meanings as are respectively assigned to them in the conditions of the contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement viz.

-
- (a) Notice inviting tender
 - (b) The original Tender Document
 - (c) Bid document uploaded by the Bidder
 - (d) Letter of Acceptance
 - (e) Any correspondences and documents exchanged between the Contractor & Board in connection with tender/Contract.
3. The Contractor hereby covenants with the Board to execute, complete and maintain the work till handing over the Board in all respects in in conformity and in all respects with the provisions of this Agreement.
 4. The Board hereby covenants to pay the Contractor in consideration of such execution, completion, and maintenance of the work for the “Contract Price” at the time and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties here into have set their hands and seals the day and year first written.

The common seal of the Board of V.O. Chidambaranar Port Authority was here into affixed and

The thereof, has set his

Hand in the presence of

V.O. Chidambaranar Port
Authority

Signed and sealed by

The Contractor in the presence of

Witness with signature

1) Name & Address

2) Name & Address

.....

.....

.....

.....

.....

.....

ANNEXURE C

FORM OF BANK GUARANTEE

(For Performance Security)

In consideration of the Chairman representing the Board of V.O.Chidambaranar Port (hereinafter called "The Port") having agreed to exempt (hereinafter called "said contractors") from the demand, under the terms and conditions of the contract awarded in No dated made between and for (hereinafter called "said Agreement") of Performance security for the due fulfillment by the said contractor(s) of the terms and conditions contained in the said Agreement, on the production of Bank Guarantee for Rs. _____ (Rupees.....only).

We* (hereinafter referred to as the Bank) at the request of the contractor(s) do hereby undertake to pay to the Port an amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the Port by reason of any breach by the said contractor(s) of any of the terms and conditions contained in the said Agreement.

We* do hereby undertake to pay the amounts due payable under this Guarantee without any demur, merely on demand from the Port stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Port by reason of any breach by the said contractor(s) of any of the terms and conditions contained in the said Agreement or by reason of the contractor(s) failure by performing the said Agreement. 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.

We undertake to pay to the Port any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceedings 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(s) shall have no claim against us for making such payment.

We* further agree 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 Agreement and that it shall continue to be enforceable till all the dues of the Port under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till the Engineering Department, V.O.Chidambaranar Port Authority certified that the terms and condition of the said Agreement had been fully and properly carried out by the said contractor's and accordingly discharges this Guarantee. Unless a demand or claim under this Guarantee is made on us in writing within three months from the date of expiry of the validity of the Guarantee period, we shall be discharged from all liability under this Guarantee thereafter provided further that the Bank shall at the request of the Port but at the cost of Contractor(s) renew or extend this Guarantee for such further period or periods as the Port may require.

We * further agree the Port, that the Port shall have the fullest liberty without consent and without affecting in any manner our obligations hereunder to vary any of the terms and condition of the said Agreement or to extend the time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Port against the said Contractor(s) or for any

Forbearance, act or omission on the part of the Port or any indulgence by the Port to the said

Contractor(s) or by any such matter or thing whatsoever which under the Law relating to sureties would but for this provision, have the effect of so relieving us.

This Guarantee will not be discharged due to the charge in the constitution of the Bank or the Contractor(s)

We* lastly undertaken Otto revoke this Guarantee during its currency except with the previous consent of the Port in writing. (Validity/Period should be noted)

This guarantee is valid upto (period) Dated the.....day of 20__for. **

Indicate here the name of the Bank, Indicate here the period or date.

FORM XII

DECLARATION OF POWER OF ATTORNEY

(To be executed before Notary Public on a Non-Judicial Stamp Paper of at least Rs 100)

Dated: _____

POWER OF ATTORNEY

To whomsoever it may concern

Mr. _____ [Name of the Person(s)], residing at _____ [Address of the person(s)], acting as _____ (Designation of the person and name of the firm), and whose signature is attested below, is hereby authorized on behalf of _____ [Name of the Bidder (in case of a consortium, name of the lead member)] to sign the tender [(Tender No.and (Tender subject- “.....”)] and submit the same and is hereby further authorized to provide relevant information/ document and respond to the enquiry's etc. as may be required by V.O Chidambaranar Port Authority (VOCPA) in respect of the tender.

And I/ we hereby agree that all acts, deeds and things lawfully done by our said attorney shall be construed as acts, deeds and things done by us and I/ we undertake to ratify and confirm all and whatsoever that my / our said attorney shall lawfully do or cause to be done for me / us by virtue of the power hereby given.

(Attested signature of Mr. _____)

For _____ (Name of the Bidder / Consortium Members with Seal)

Note –

(In the case of Consortium, representatives of all members must sign)

FORM XIII

DECLARATION of POWER OF ATTORNEY FOR LEAD MEMBER OF CONSORTIUM

(To be executed before Notary Public on a Non-Judicial Stamp Paper of at least Rs 100)

POWER OF ATTORNEY

Whereas V.O Chidambaranar Port Authority, Thoothukudi (“the Authority”) has invited tenders from interested parties for “.....” (Tender No.).

Whereas,, And (collectively the “Consortium”) being members of the Consortium are interested in bidding for the Tender in accordance with the terms and conditions of the Tender Document and other connected documents in respect of the said tender, and

Whereas it is necessary under the Tender Document for the members of the Consortium to designate one of them as the Lead Member with all necessary power and authority to do for and on behalf of the Consortium, all acts, deeds and things as may be necessary in connection with the Consortium’s bid for the Tender and its execution.

NOW THEREFORE KNOW ALL MEN BY THESE PRESENTS

We, M/s. having our registered office at,
M/s.
having our registered office at, M/s. having our
registered office at
....., and M/s. having our registered office at
.....
, [the respective names and addresses of the registered office] (hereinafter collectively referred to as the “Principals”) do hereby designate, nominate, constitute, appoint and authorize M/s. having its registered office at
.....
, being one of the members of the Consortium, as the Lead Member and true and lawful attorney of the Consortium (hereinafter referred to as the “Attorney”). We hereby irrevocably authorize the Attorney to conduct all business for and on behalf of the Consortium and any one of us during the bidding process and, in the event the Consortium is awarded the Contract, during the execution of the contract, and in this regard, to do on our behalf and on behalf of the Consortium, all or any of such acts, deeds or things as are necessary or required or incidental to the pre-qualification of the Consortium and submission of its bid(s) for the tender, including but not limited to signing and submission of all applications, bids and other documents and writings, participate in Pre Bid and other conferences/meetings, respond to queries, submit information/ documents, sign and execute contracts and undertakings consequent to acceptance of bid(s) of the Consortium and generally to represent the Consortium in all its dealings with the Authority, and/or any other Government Agency or any person, in all matters in connection with or relating to or arising out of the Consortium’s bid(s) for the tender and/or upon award thereof till the Agreement is entered

into with the Authority.

AND hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us / Consortium.

IN WITNESS HEREOF WE HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS
..... DAY OF20**

For(Name & Title)

For(Name & Title)

For(Name & Title)

Witnesses:

- 1.
- 2.

.....

(To be executed by all the members of the Consortium)

Price Schedule

Sl No	Description of items	Qty	Unit	Rate/Unit	Total amount
1	High mast: Design, Supply, Installation, Testing and Commissioning of 30Mtrs High, Hot dip Galvanized High mast type lighting tower complete with all relevant accessories as per Technical Specification.				
(i)	Supply	13	Set		
(ii)	Installation, testing and commissioning	13	Set		
2	Civil Foundation: - Design and construction of RCC Foundation for 30Mtr High mast, including excavation of earth (after strengthening of soil condition by removing slush materials and replacing by silver sand and compacting thereafter to make the base suitable for High mast foundation), Double layer brick soiling PCC, Supply of foundation accessories consisting of required numbers of foundation bolts, nuts, washers, anchor plates, template etc., in complete and HDPE/PVC pipe of suitable size for cable entry, supply of foundation accessories like cement, reinforcement steel				

	bars, bricks, sand, stone chips, shuttering materials, labour required for RCC foundation, refilling of earth sand up to the existing ground level after curing. The design foundation of High mast shall be based on IS:875 & IS:456				
(i)	Proposed 30Mtr New High mast including providing RCC foundation concrete.	13	Set		
(i)	20Mtr existing High mast along with required bolt, nut, washers, templates including providing suitable RCC foundation concrete.	20	Nos		
(ii)	30Mtr existing High mast along with required bolt, nut, washers, templates including providing suitable RCC foundation concrete.	8	Nos		
(iii)	40Mtr existing High mast along with required bolt, nut, washers, templates including providing suitable RCC foundation concrete.	4	Nos		
3	Load Point Panel: Design, Supply, Installation, Testing and Commissioning of 100Amps, Outdoor type Load Point Panel, IP65 Enclosure, fabricated from SS316 grade sheet of 2mm thick, suitable GI C type Channel (ISMC) and flat etc, and as per Technical Specification.				
(i)	Supply of the above Load Point	6	Set		

	panel				
(ii)	Installation, testing and Commissioning	6	Set		
4	Feeder Pillar with Intelligent smart lighting control system: Design, Supply, Installation, Testing and Commissioning of Feeder Pillar with Intelligent smart lighting control system for 30Mtr.Highmasts. Feeder pillar shall be Outdoor type, dust, vermin weatherproof, IP65, enclosure fabricated from SS316 grade sheet of 2mm thick, suitable angled and flat mounted on GI C type channel (ISMC) as per technical Specification.				
(i)	Supply for proposed high mast towers	13	Nos		
(ii)	Installation, testing and Commissioning including providing suitable RCC foundation concrete for installation of the feeder pillar box for proposed new high mast towers	13	Nos		
(iii)	Supply for existing high mast towers	107	Nos		
(iv)	Installation, testing and Commissioning including providing suitable RCC foundation concrete for installation of the feeder pillar box for existing high	107	Nos		

	mast towers				
5	Removal & relocation of existing High mast towers: - Charges for removal, shifting and identifying suitable location for re-erection of 20/30/40Mtr high mast towers, trailing cable, MCB's, junction boxes, aviation fittings, winch assembly along with luminaries around the distance of 4KM radius including the existing lantern carriage.	32	Set		
(i)	Supply and installation of double gear, double drum, double pinion winch assembly on 20/30/40Mtr High mast	32	Set		
(ii)	Supply and installation of 2x5cx4sqmm EPR insulated copper trailing cable for high mast raising arrangement with weatherproof industrial sockets. (2Nos each high mast)	1080	Mtr		
(iii)	Supply & installation of GI Weatherproof IP66, Junction Boxes on the top of the existing 20/30/40Mtr high mast tower. (2Nos each high mast) as per the specification.	214	Nos		
(iv)	Supply and installation of 2Nos wire ropes on the existing 20/30/40Mtr High mast towers. (2Nos each high mast) as per the	4	Nos		

	specification.				
(v)	Supply and installation of Hot dip galvanized lantern carriage on the existing 20/30/40Mtr high mast towers, as per the specification.	107	Set		
6	LED Flood light luminaries: - Design, Supply, Installation, testing and commissioning of LED luminaries with complete accessories as per technical specification.				
(i)	Supply of 500W+/- 10%W LED flood light luminaries for new 30Mtr high mast towers as per the specification.	234	Nos		
(ii)	Installation, testing and commissioning of 500W+/-10% LED flood light luminaries on newly supplied high mast as required as per the specification.	234	Nos		
(iii)	Supply of 500W+/-10% LED flood light luminaries for existing 20/30/40Mtr high mast towers as per the specification.	1926	Nos		
(iv)	Installation, testing and commissioning of 500W+/-10% LED flood light luminaries on existing 20/30/40Mtr high mast as required as per the specification.	1926	Nos		
7	LTUG Cable: Design, Supply of LT Cable, 1.1KV grade, XLPE, UG Alu.				

	Cable as per technical specification.				
(i)	Supply of 3.5 C X 150 Sq.mm	650	Mtr		
(ii)	Supply of 3.5 C X 50 Sq.mm	1800	Mtr		
(iii)	By excavation trench upto 1Mtr depth for laying of various sizes of LTUG Cable or laying with existing trench.	2450	Mtr		
9	Outdoor type SS Pillar Box: - Supply, erection, testing and commissioning of Outdoor type pillar box: The panel shall be outdoor type, dust, vermin weatherproof, IP65, enclosure fabricated from SS316 grade sheet of 2mm thick, suitable angled and flat mounted on GI C type channel (ISMC) along with providing suitable foundation concrete. The pillar box incorporating the following specifications along with suitable bus bar arrangement: Incomer: 400A, (3Pole + N disconnect switch)- 1No Outgoing: 250A (3Pole + N disconnect switch)- 2 Nos Outgoing: 125A (3Pole + N disconnect switch)- 4 Nos Busbar: Aluminum Flat type busbar with insulation, Analog type 24Hrs, Time switch-2 Nos, MNX 70 Contactor -2Nos for controlling streetlights. The streetlights controls should be a Web based intelligent smart controlling system to control the multiple network system.	4	Set		
10	Earthing as per IS Specifications: - Supply, installation, testing and commissioning of GI plate earth connection as per the technical	240	Set		

	specification.				
(i)	GI Strip Laying: - Supply, laying and termination of size 50x6mm, GI Strip as per the technical specification	2100	Mtr		
11	Comprehensive AMC for 2year + 5years: - CAMC for attending repair and maintenance of luminaries and high mast mechanical arrangement and to maintain the illumination at dock area at minimum 25Lux and road area to maintain 10lux as per the guidelines of dock safety. If required, during the maintenance period the firm has to replace the luminaries to achieve the minimum illumination and fortnightly to furnish the actual illumination reading along with chart to be furnished to the Engineer in charge. During the maintenance period, the defective materials to be handed over to the engineer in charge.				
	1 st year Guarantee period with manning	Free of Cost			
	2 nd year Guarantee period with manning	Free of Cost			
	1 st year CAMC	1	Lump		
	2 nd year CAMC	1	Lump		
	3 rd year CAMC	1	Lump		

	4 th year CAMC	1	Lump		
	5 th year CAMC	1	Lump		
	Total Amount				
	SGST@____%				
	CGST@____%				
	Total Amount				

Section – X Drawing

