



V.O. CHIDAMBARANAR PORT AUTHORITY

Tender No. MEE-EE-P&M-7200-2025

e - TENDER

for

Supply & installation of 1 No. of 5KW On-grid Solar tree at VOCPA, including Comprehensive Operation & Maintenance for a period of five years including 2 years warranty period

Online submission closing date: 15.00hrs. on 13.08.2025

Online Opening date: 15:30 hrs. on 14.08.2025

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

CONTENTS

Section	Description
I	Notice Inviting Tender
II	Instructions to Bidders (ITB)
III	General Conditions of Contract (GCC)
IV	Special Condition of Contract (SCC)
V	Technical Specification
VI	Scope of Work (SoW)
VII	Safety Norms & EMS Requirements
VIII	Annexures and Forms
	A Annexure A – Checklist of Pre-Qualification and Responsiveness Information: List of Documents to be Enclosed
	Form-I Bid Cover Letter
	Form-II Transaction details for remittance of Earnest Money Deposit (EMD)
	Form-II (A) Exemption of EMD for Micro and Small Enterprises (MSEs)
	Form-III Financial Capability
	Form-IV Similar Work Experience
	FORM-IV(A) Details of TDS Certificate
	Form-V Declaration of Authorized representatives
	Form-VI Schedule of No deviation
	Form-VII Declaration by the Bidder
	Form-VIII Bank Mandate Form
	Form-IX Tender Acceptance letter
	Form-X “Local Content declaration & Self Certification” as

			per the GoI Order on Public Procurement (preference to Make in India)
		Form-XI	Integrity Pact
		FOR JV/CONSORTIUM	
		FORM-XII	Declaration of Power of Attorney
		FORM-XIII	Declaration of Power of Attorney for Consortium
	B	Annexure B – Contract Agreement Form	
	C	Annexure C – Bank Guarantee Form for EMD	
	D	Annexure D – Bank Guarantee Form for Performance Security Deposit	
IX	Price Schedule		

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 ***“Supply & installation of 1 No. of 5KW On-grid Solar tree at VOCPA, including Comprehensive Operation & Maintenance for a period of five years including 2 years warranty period”***
- 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.	MEE-EE-P&M-7200-2025
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, 0461-2352226, 0461-2352255 Email: cme@vocport.gov.in
Brief Work Description	Scope of Work includes <i>“Supply & installation of 1 No. of 5KW On-grid Solar tree at VOCPA, including Comprehensive Operation & Maintenance for a period of five years including 2 years warranty period”</i> .
Location of the work	VOCPA premises including inside and outside custom mounted area.
Estimated Cost	Rs.12,15,525/- plus applicable GST
Bid Validity	120 days from the date of opening of the Tender
EMD	Rs.24,500/- (Rupees Twenty Four Thousand and Five 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 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 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 incase 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 originals 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 not received within 7 days of bid opening date the bid may not be considered.
Delivery period of the Contract	(i) Completion period – 120 days from the date of commencement of work. (ii) O & M period – Five years including two years guarantee period at VOCPA.
Downloading of Tender documents start date	23.07.2025
Downloading of tender document end day	13.08.2025 up to 15:00 hours
Start date of seeking clarifications	10:00 hrs., 24.07.2025
End date of seeking clarifications	17:15 hrs., 31.07.2025
Pre-Bid Meeting	Not Applicable
Reply to Pre-bid queries	Not Applicable
Bid Submission end date & time	13.08.2025 at 15:00 hrs.
Bid opening date & time	14.08.2025 at 15:30 hrs.
Currency of Contract	INR
Language of Contract	English

1.4 Bidders fulfilling 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 costing 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 per cent) of the estimated cost.

“Similar work” shall mean.

The term similar work shall mean **Supply & installation of Solar tree/ Solar PV Power plant with allied works or Supply & installation of Solar tree/ Solar PV Power plant with allied works including O&M in any State / Central / PSU or any reputed Private organization.**

The works shall be executed in State / Central / PSU or any reputed Private organization. In case the firm has completed the "supply & installation" or "EPC" portion and the O & M work is in progress, then the value of executed work (EPC/ initial cost plus cost of completed O&M portion) will be considered for evaluation.

Copies of work order(s) & respective satisfactory completion(s) / performance certificate(s) must be furnished in support of meeting 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 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.
- 1.6 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.
- 1.7 The bid document is required to be submitted only through e-tender web portal <https://etenders.gov.in/eprocure/app>.
- 1.8 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.
- 1.9 The Authority will not be held responsible for any technical snag or network failure during online bidding.
- 1.10 The Authority reserves the right to cancel any or all bids without assigning any reason.

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 Mob:9556050300.
Email: niharrajanbhoi@vocport.gov.in
3. The Executive Engineer (P&M),
Mechanical & Electrical Engineering Department,
V.O. Chidambaranar Port Authority,
Tele: 0461-2372203 Mob:8903443444
Email: senthilganesh.a@vocport.gov.in

**Chief Mechanical Engineer
V. O. Chidambaranar Port Authority**

SECTION II **INSTRUCTION TO BIDDERS**

CONTENT

SL NO.	DESCRIPTION OF CLAUSE
1	e-TENDER NOTICE
2	PARTICIPATING IN THE TENDER IN THE e-PROCUREMENT PORTAL
3	ELIGIBLE BIDDERS
4	COST OF BIDDING
5	LOCAL CONDITIONS
6	SITE VISIT
7	PRE-BID MEETING
8	UNDERSTANDING AND CLARIFICATION ON BIDDING DOCUMENTS
9	AMENDMENT TO BID DOCUMENTS
10	BIDDER'S RESPONSIBILITY
	<u>PREPARATION OF BID</u>
11	LANGUAGE OF BID
12	BID PRICES
13	BID VALIDITY
14	BID CURRENCIES
15	BID SECURITY/ EARNEST MONEY DEPOSIT (EMD)
16	DOCUMENTS COMPRISING THE BID
17	FORMAT AND SIGNING OF BID

18	DEADLINE FOR SUBMISSION OF THE BIDS
19	LATE BIDS
20	MODIFICATION AND WITHDRAWAL OF BIDS
	<u>OPENING AND EVALUATION</u>
21	BID OPENING
22	CLARIFICATION ON BIDS
23	EVALUATION & COMPARISION OF BID
	<u>AWARD OF CONTRACT</u>
24	AWARD CRITERIA
25	PURCHASER'S RIGHT TO ACCEPT OR REJECT ANY OR ALLTHE BIDS
26	NOTIFICATION OF AWARD
27	SIGNING OF CONTRACT
28	PERFORMANCE SECURITY DEPOSIT or PERFORMANCE GUARANTEE
	<u>OTHER INSTRUCTIONS</u>
29	PROVISION OF PUBLIC PROCUREMENT (PREFERENCE TOMAKE IN INDIA)
30	INTEGRITY PACT

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 any 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 adjustment 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 shall 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. Reply 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) The 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 the **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 shall ensure that the prices are rational, reasonable. The above lump-sum price shall include all the taxes (except GST), duties, fees, all types of Cess, insurance, transportation, packing, forwarding and all other incidentals required for 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 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 incase 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 originals 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 not received within 7 days of 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 a 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 successful bidder on award of contract fails to sign the contract or to submit a 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 system 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 to Tender Document.
- (xvii) In Case of JV / Consortium 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)

(xviii) 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 option which helps in reducing size of the scanned document.*

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 works 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.

2.1.2 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.

2.2 FORMAT AND SIGNING OF BID:

2.2.1 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 in 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.

2.2.2 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 nonresponsive.

2.2.3 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**, owning 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.

2.2.4 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.

2.3 DEADLINE FOR SUBMISSION OF THE BIDS:

2.3.1 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 declared a holiday for the VOCPA.

2.3.2 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.

2.4 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.

2.5 MODIFICATION AND WITHDRAWAL OF BIDS:

2.5.1 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.

2.5.2 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

2.6 BID OPENING:

- 2.6.1** Bid opening dates are specified during the publishing of tender or can be extended vide corrigendum. These dates are available in NIT / Corrigendum as well as the home page of the portal.
- 2.6.2** 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.
- 2.6.3** If the required EMD has not been provided or exemption from EMD is claimed without acceptable poof of exemption, bid will not be considered for techno-commercial evaluation.
- 2.6.4** 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.
- 2.6.5** 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.

2.7 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 tenderer 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 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.

2.8 EVALUATION & COMPARISION OF BID:

2.8.1 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 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** 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**
- (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 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 in 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.

2.8.2 Financial Evaluation:

- (a) The due date of opening of **Cover B- Financial Bid** shall be scheduled and intimated to the prequalified bidders through portal.
- (b) The Financial Bid of the pre-qualified & 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.
- (c) The financial evaluation shall be made on the basis of total price as indicated price schedule/ Bill of quantity. VOCPA is not bound to accept the lowest quoted offer. Conditions, if any, with Price Bid shall not be considered for any purpose.

2.8.3 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 to 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.

- 2.8.4** Conditional bids may be rejected by VOCPA. Conditions, if any, on any document enclosed with Price Bid shall not be considered for any purpose.

AWARD OF CONTRACT

2.9 AWARD CRITERIA:

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

2.10 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.

2.11 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.

2.12 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.

2.13 **PERFORMANCE SECURITY DEPOSIT or PERFORMANCE GUARANTEE:**

2.13.1 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 D** 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	014301000000001
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 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 completion of the Warranty Period.

2.13.2 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, at his option, replace the retention amount with an unconditional BG at the following stages:

- (a) After the amount reaches half the value of the limit of retention money; and
- (b) 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 completion of the Warranty Period.

2.14 OTHER INSTRUCTIONS

2.14.1 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**.

2.14.2 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.

The details of Independent External Monitors (IEM) are:

- 1) Shri Hermanprit Singh, IPS (Retd.),
12, Belevadre 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 document specifies the works.

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 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 accepted contract amount mentioned in the Letter of Acceptance towards 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 or forming part of the Permanent Works.
- 3.1.1.5.2 "**Permanent Works**" means the permanent works 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 of access to 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 right of access to, and possession of, 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 for 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 is 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, equipment offered and used in the execution of the work shall be suitable for sustained service in a marine atmosphere and 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.
- (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.
- (f) provide all lights be placed or screened so as not to interfere with any signal lights on the Employer's railways or with any traffic lights of any local or other authority.

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) the 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 vehicles 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 effluent 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 reasonable quantity of construction water at one point adjacent to the Contractor's work area on 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 chargeable basis. However, all necessary arrangement like plumbing / installation of water meter etc. 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 meter as per the prevailing rates subject to revision from time to time.

(c) Electric Power:

The Employer will provide 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. Contractor 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 the compliance with the provisions of the above said 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 Labour:

The Contractor shall provide and maintain all necessary facilities as applicable at site for smooth execution of contract. . Port entry permit for the contractor and their staff, materials, vehicles etc. for movement inside the Port area, will be on 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 require. The Contractor shall employ such skilled, semi-skilled and unskilled 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 Labour, Government of India or such other authorised 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, manufacture, 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 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, shall 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 replacement of 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 be commenced within 15 days of issuance of 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 all the conditions precedent as mentioned at **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:

If specified in the Contract, The Contractor shall submit a Time Schedule / Bar Chart form within 15 days of issuance of Letter of Acceptance / Work Order.

The Contractor shall submit a bar chart, before signing the agreement, clearly indicating the plan for timely execution of the work. The bar chart must indicate the individual activities and

commencement and completion dates of each activity. The bar chart shall be used for monitoring the progress of the work.

Unless the Engineer, within 15 days after receiving bar chart, gives notice to the Contractor stating the extent to which it does not comply with the Contract, the Contractor shall proceed in accordance with the bar chart.

If, at any time, the Engineer gives notice to the Contractor that time schedule fails (to the extent stated) to comply with the Contract or to be inconsistent with actual progress and the Contractor's stated intentions, the Contractor shall submit a revised time schedule / bar to the Engineer.

3.7.4 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 shall 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.

3.7.5 Liquidated Damage:

Unless otherwise specified, in case of delay in completion of the contract, liquidated damages (for works costing up to Rs. 10 lakh - one (1) percent of the contract value per week and for all other works 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.

3.8 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.

3.9 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.

3.10 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 minimum 12 months from date of completion of work, 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.

3.11 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.

3.12 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 any such work.
- (d) change in the levels, lines, position and dimensions of any part of the works.
- (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 as 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 is meeting 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.

3.13 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 lower rate or

deduct no tax as may be appropriate to his case. Such 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 EFT or where EFT 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 has 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 event,

- (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 to 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 works are 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 works and outstanding dues that 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 case, 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 effected 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 into 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 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 as SAROD - Ports). The dispute shall be dealt with in terms of 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 BID SECURITY/ EARNEST MONEY DEPOSIT (EMD): (May be read in conjunction with clause no.2.15 of ITB)

If the bidder furnished Fixed Deposit Receipt towards EMD, the Fixed Deposit Receipt for the EMD amount shall be taken in favour of FA&CAO, VOC Port Authority Tuticorin with validity not less than 120 days.

4.2 PRICE: (May be read in conjunction with clause no.2.12 of ITB)

- (a) The price quoted shall be firm and final and F.O.R free delivery at VOC Port premises at Tuticorin including cost of equipment's, and all accessories, installation and commissioning, etc.
- (b) No price escalation shall be admissible for this contract.

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

The work shall be commenced within 15days of issuance of 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 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)

Delivery & Commissioning of Solar Tree

04 months from the date of Commencement of Work.

Commencement and Completion of O & M work:

Date of commencement for Operation and Maintenance of the plant shall be from the date of commissioning and acceptance of the Solar Tree by VOCPA. The O & M period is for 5 (five) years from the date of acceptance including 02 years guarantee period.

The contract can further be extended for another two years at the discretion of the port subject to satisfactory performance with same rate, terms & conditions.

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

Delivery & Commissioning of Solar Tree

If the contractor fails to Supply Installation Testing & Commissioning in all respects within the time specified or within the extended time that may be allowed by the port, the contractor shall pay or allow the board to deduct a sum equivalent to 0.5% per week or part thereof on

the total value of the Equipment subject to a maximum of 10% of the total value of the Equipment as Liquidated or Ascertained damages and not by way of penalty, for every week or part thereof beyond the said period or extended period as the case may be during which the supply shall remain unfinished. Such damages will be deducted from any money 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. The LD for performance is mentioned in clause No.4.7 Acceptance.

During O & M period:

4.5.1 Generation Guarantee:

- a) The Contractor shall provide a minimum Generation Guarantee corresponding to a capacity utilization factor (CUF) of 17% (the “Guaranteed CUF”) with respect to the AC capacity of the PV system.
- b) This Guaranteed CUF shall be calculated on an annual-basis and shall be verified by the Third Part Inspection Agency/VOCPA at the end of each year during the 5 (five) year guarantee period.
- c) In case of energy generation corresponding to the average of surrounding in such locations is less or less than the Guaranteed CUF, whichever is higher, the VOCPA shall recover an amount as compensation at the rate of Rs. 9.75per kWh or revised Discom tariff (rate/unit) applicable to Port from the Contractor for such shortfall at the end of the contract year.
- d) In case of energy generation corresponding to less than the Guaranteed CUF, it is clarified that the penalty for loss in generation shall not be duplicated with the penalty for delay in rectification of fault beyond 48 hours of complaint.

4.6 Evaluation of Yearly Performance:

The overall performance of the contractor shall be treated as satisfactory if the total deduction amount on default in a contract year does not exceed 10% of the contract price in the respective contract year. In case yearly performance is not satisfactory, the contact may be liable for termination.

4.7 Inspection, Test & Acceptance: (Superseding Clause No. 3.8 and 3.9)

The successful bidder shall provide all necessary facilities to the authorised representative of VOCPA for inspecting the progress of work at various stages as may be chosen by the port and for pre-dispatch inspection of the equipment at their yard. After the trials are completed satisfactorily at VOCPA premises which alone shall be the proof of acceptance of the Solar Tree, VOCPA will issue a certificate. If the performance of the Solar Tree 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 Solar Tree. The bidder shall provide an energy yield estimation along with the bid documents. The energy yield estimation will be tested with respect to the actual during installation. The OEM / TPA / VOCPA authorized representative shall test the Solar tree

and provide the report to Port for considering the acceptance. The actual energy generated shall be equal to 90% or above of the energy yield estimation submitted by the bidder. If the Solar tree performance is below 90% of the estimated energy yield, then 0.5% of every reduction in 1% of performance will be deducted from the bill subject to maximum of 10% of the contract value. Also, if the actual energy generation is below 70% of the energy yield estimation, the Solar tree may not be considered for acceptance.

The inspection of works during O & M is as outlined in Scope of Work.

4.8 Defect Liability/Guarantee: (Superseding ClauseNo.3.10)

- (a) The SPV panel shall carry a warranty of minimum 25 years.
- (b) The SPV panel must be warranted for their output peak watt capacity which shall not be less than 90% at the end of 12 years and 80% at the end of 25 years
- (c) The grid tied solar inverter shall carry a warranty of minimum 5 years.
- (d) The Grid Tied Solar Tree installed and commissioned shall be under a warranty against any manufacturing defect for a period of 5 years from the date of Commissioning.
- (e) The mechanical structures, electrical works including inverters, maximum power point tracker units, distribution boards, digital meters, energy meters, switchgear etc. and overall workmanship of the Solar Tree must be warranted against any manufacturing/design/installation defects for a minimum period of 5 years.
- (f) The warranty will be against breakages, malfunctions, non fulfillment of guaranteed performance and breakdowns due to manufacturing defects or defects that may arise due to improper operation of electrical / electronic components of the plants but do not include physical damages by the end users.
- (g) The above warranty shall take effect from the date on which the plant is taken over by VOCPA after commissioning.
- (h) The successful Bidder shall be liable to make good the loss by replacing the defective product during the warranty period for the entire plant free of cost, failing which VOCPA will deduct the amount from the amount retained by VOCPA as per Payment terms and also the bidder will be blacklisted.

During Guarantee and O & M period:

The bidder shall guarantee to supply required spares and consumables during the deployment period for efficient and effective operation of the Solar Tree.

The Successful bidder shall guarantee to supply required spares and after Sales Service for a period of 10 years after the SITC of the Solar Tree. The period of any delay other than on extraordinary situation in supplying the spares required will not be accounted for against the guarantee period.

4.9 List of tools and spares to be supplied shall be indicated in the bid document.

4.13 Hot work during maintenance period is subject to adhering to safety measures prescribed

by Fire Section/ Safety office Department.

- 4.14** Contractor's Office: The buildings should not be used for residential purposes. The contractors shall at their own cost and expense shall arrange for watch and ward security at the above location.
- 4.15** 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 into the work spot. The contractor shall ensure that the personnel employed for this work do not smoke inside the Port area.
- 4.16** Statutory requirement as per Labour Department and Dock Safety Inspectorate as per regulation should be adhered by the Contractor.
- 4.17** All safety precautions shall be strictly adhered to.
- 4.18** The contractor and their employees should be complied with Quality Management (ISO 9001:2015, EMS ISO 14001:2015 and OHSAS 18001:2007) Electricity Act, Dock Safety regulations.
- 4.19** The contractor shall allow his labourers 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 labourers employed by him.
- 4.20** 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.
- 4.21** 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.
- 4.22** The contractor shall deploy disciplined work force. If any the 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.
- 4.23** The staff provided by the contractor are in case found to be indulging in any undesirable or unfair activities in the premises of the office, the contractor will solely be responsible for all the consequences apart from the liberty of office to lodge complaints before appropriate authorities.
- 4.24** The contractor shall furnish contact telephone number, Mobile number & contact address of representative of contractor.
- 4.25** Unauthorized person belonging to the contractor are not allowed to enter port premises.
- 4.26** 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.

- 4.27** The contractor shall supply the PPEs (safety helmet, Gloves, shoes, reflecting jackets, diversion boards, etc) to the workers for carrying out maintenance works in safe manner.
- 4.28** The contractor shall pay the monthly salary to the technicians before 7th day of every month.
- 4.29** Any manpower shall apply leave, the contractor is requested to deploy a fresh manpower as required.
- 4.30** 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 during O & M period, if the firm has deployed dedicated manpower to the Port.
- 4.31** 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.
- 4.32** The contractor shall be responsible for disputes that may arise between the contractor and the manpower contractor and its amicable solutions.
- 4.33** STAFF: The staff engaged for by the contractor shall be given periodical safety training and periodical medical check-up by the contractor (once in a year) to comply with IDLR requirement. Electrician/Supervisor working in electrical accessories shall be qualified as per the requirement of electricity act.
- 4.34** The Contractor shall carefully operate and maintain the LED video wall. If any damages happened to the port properties during the contract period, the contractor shall rectify the damage at his cost, failing which the actual charges towards rectification will be re-covered from the contractor along with departmental supervision cost.
- 4.35 Final Inspection, Acceptance and Payment:**

The Contractor shall, one months prior to the expiry of the Contract Period, notify VOCPA in writing for inspection in order to handover the Solar Tree 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 Solar Tree on expiry of the Contract. In case of any defect or abnormality, observed during inspection, and shall be made good by the Contractor this own cost within is 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 2 months shall be withheld. Upon receipt of the certificate of final acceptance, the Contractor will make application to VOCPA for final payment within 30days.VOCPA shall make payment to the Contractor within 30 days after receiving the final payment invoice, complete in all respect.

4.36 Engineer-in-Charge (EIC):

The concerned Executive Engineer of the Division, executing the work, shall be Engineer-in-Charge (EIC) for the work.

4.37 PAYMENT:-(May be read in conjunction with clause no.3.13 of GCC)

Delivery & Commissioning of Solar Tree

1. 100% payment for the BOQ Sl.No.1 will be made after acceptance by the Port.The bill / invoice (onetime payment) with all documents will be processed for payment and the Contractor will be paid the amount due to him towards the supply within 30 days of the acceptance.

During Guarantee and O & M period:

No payment during the guarantee period. On completion of guarantee period, payment for Comprehensive O&M BOQ 2,3 4 will be made on quarterly basis after satisfactory performance of the work assigned. The Consolidated O&M report will be prepared on award of work with the successful bidder on mutually agreed terms. The contractor shall deploy required manpower at site as and when required during this period and the faults shall be attended within 24 Hrs.

- 4.38** Where any portion of the Special Conditions of Contract is repugnant to or at variance with any provisions of the General Conditions of Contract then the provisions of the Special Conditions of Contract shall prevail over the provision of the General Conditions of Contract. Further if difference of interpretation arises in clause, the decision of CME shall be final.

SECTION-V

TECHNICAL SPECIFICATIONS

1. PV Panels (Photovoltaic Modules):

Sl. No	Parameter	Specification
1	Type	Mono crystalline Bifacial
2	Number of Panels	10
3	Total Capacity	5 KW

2. Structure & Materials:

Sl. No	Parameter	Specification
1	Main Support Structure	Galvanized steel
2	Panel Mounts	Aluminium frames or stainless steel brackets
3	Height of Tree	5 meters(bottom portion)
4	Wind Resistance	~Up to 150 km/h

3. Inverter:

Sl. No.	Parameter	Specification
1	Type	Grid-tied
2	Capacity	Equal or greater than PV system output
3	Efficiency	≥ 95%

4. Cabling: UV-resistant DC cables, copper core, rated for outdoor use
5. Earthing Resistance < 1 ohm
6. MCBs/Protection DC/AC circuit breakers, SPDs, earthing kit, lightning arrestor
7. Cables for interconnecting from the nearest possible source, online monitoring system, Metering system, Periodical reporting from cloud based system.
8. Indicative structural drawings of the solar tree is attached in tender.

SECTION VI **SCOPE OF WORK**

The scope of work is Supply and Commissioning of 1 No. of 5KW On-grid Solar tree at VOCPA including Operation & Maintenance of supplied Solar tree for the period of 5 (Five) years including two years guarantee period as per specification and conditions mentioned in the tender document. The contract can further be extended for another two years at the discretion of the port subject to satisfactory performance with same rate, terms & conditions.

1. Supply and Commissioning:

- a) The Solar tree to be supplied by the successful bidder shall be of the quality specified and in Confirmation to Technical Specifications subject to the acceptance of VOCPA.
- b) Suitable foundation for the Solar tree as per site requirement shall be designed approved by OEM as per the site condition of Port and carrying out the Civil works by the Contractor.
- c) All termination of the electrical connections from the power generation unit of the Solar tree to the Port LT distribution panel including protection and metering arrangement shall be carried out by the contractor.
- d) Supply and Commissioning of the Solar tree shall be completed within in 4 months from the date of commencement of work.
- e) Successful performance guarantee test to demonstrate the rated capacity of Solar Trees as per VOCPA's norms shall have to be conducted by SI in presence of representatives of VOCPA, if required.
- f) On successful commissioning of the Solar tree, same will be accepted by VOCPA
- g) The successful bidder shall arrange to furnish all manuals, test reports, to VOCPA.

B. SCOPE OF WORK FOR OPERATION AND MAINTENANCE OF SOLAR TREE

The contractor shall have to commence the O & M work from the date of commissioning and acceptance of the Solar Tree by VOCPA. Successful bidder will be required to carry out following works / to render the services as per OEM recommendation under comprehensive Operation and Maintenance contract.

1. Operation:

The contractor shall be responsible for smooth and satisfactory operation of the Solar Tree for a period of 5 (Five) years from the date of commissioning and acceptance.

- a) The contractor shall be responsible for assured operation of the Solar Tree as per the guaranteed Energy Yield given by the OEM for the VOC Port site.
- b) To maintain the disciplined and efficient services, it would be necessary to provide operating staff uniforms, safety gears & mobile facilities.

- c) Contractor shall arrange labours at their level and at their cost to accomplish the objectives.
- d) The contractor shall maintain log sheet.

2. Comprehensive Maintenance:

The contractor shall be responsible for a satisfactory maintenance of the Solar Tree for 365 days round the year for a period of 5 (Five) years from the date of commissioning and acceptance of Machines. The precise and regular timely maintenance plays the key role in keeping the Solar Tree in the operative status at all the times and as such these activities are to be shouldered by the successful bidder as described below;

- a) As regards servicing routine and scheduled maintenance of Solar Tree, the same shall be carried out by the successful bidder through their maintenance staff and prior schedule for 2 days in each month.
- b) The contractor shall prepare and implement an effective maintenance programme in consultation with Engineer –in- Charge or his representatives. It is absolute responsibility of contractor to look after all sorts of maintenance whether preventive or breakdown with the available staff or with extra staff at contractor's risk.
- c) Breakdown maintenance of the equipment including supply of spares, consumables etc. All supplies and spares to be used must be of OEM and 100% compatible parts.
- d) Regular Cleaning, safe storage and security of the machines shall also be within the scope of the bidder.
- e) Contractor shall arrange for any additional labourers at their level and at their cost.
- f) Contractor shall arrange for all the consumables and spare components at their level and at their own cost. The tentative schedule of their preventive and schedule maintenance which successful bidder will be required to carry out as per manufacturer's recommendations and in consultation with Engineer –in- Charge or his representatives shall be provided before commencement of O & M activities. As regards break down and accidental maintenance of each machine, the same shall be carried out by the successful bidder through their staff as and when required at their own cost.
- g) One set of Tools as required for the general maintenance and list of spares for maintenance of the equipment for five years shall be supplied along with the equipment. List of tools and spares to be supplied shall be indicated in the bid document.
- h) Contractor has to keep enough spare/stand by units for preventive and breakdown maintenance of the equipment as per the manufacturer's guideline and this will be verified by the Engineer –in- Charge or his representatives, at any time for smooth and uninterrupted working of Solar Tree.
- i) The quality of all consumable and spare as per manufacture recommendation shall be made available at site/workshop all the time and will be verified by Engineer –in- Charge or his representatives.
- j) The repairs & maintenance shall be carried out, as per the practice prescribed by the manufacturer. The machinery provided shall be the proven one & all products shall be of well-established manufacturer.

- k) All the maintenance carried out must be entered in the maintenance register and submitted along with bills.
- l) The contractor shall be responsible to carry out day-to-day as well as periodic maintenance, necessary to ensure smooth and efficient performance/running of all equipment's as per manufacturer's specification and maintaining the record of the same. Maintenance of all Solar Tree will be supervised by department officers. Contractor has to carry out all the related work under intimation and supervision of them.

C. OTHER RESPONSIBILITIES OF THE SUCCESSFUL BIDDER WILL REMAIN AS BELOW:

1. In case of major break downs would be inevitable. The Solar Tree shall be repaired and put back into operation by the successful bidder utilizing their manpower and workshop facilities at their own cost. Bidder shall arrange for all the consumables and spare components at their level. Contractor has to follow all rules and regulations applicable to rendering of such services including Factory Act (if required), therefore, all statutory provisions, rules, regulations shall be observed including, provision of Environmental Quality Act, Government of India.
2. The contractor shall make provision for presence of requisite manpower during national holidays and festivals so that the work is not affected at any area on holidays, national holidays and festivals and there will not be any extra payments. The Contractor should ensure presence of his workforce at the specified time. The contractor shall not be paid for any overtime charges for working at late hours so as to complete the scope of work and maintain the cleanliness at various locations.
3. The Port has the right to charge the contractor for any damage caused to Port or Govt. assets and the same shall be recovered from the contractor's bill with immediate effect.
4. The contractor shall be responsible for keeping up-to-date record of documents including day to day Energy Yield work of Solar Tree as per format given by department.
5. The Contractor shall maintain separate checklist register monthly, quarter yearly, half yearly and yearly activities. Also during checking if any abnormalities found it must be brought to the notice of Engineer –in- Charge and rectified by the contractor.
6. Contractor has to submit daily/weekly/monthly report of their work to the respective Engineer –in- Charge or his representatives.
7. The contractor shall have to issue identity cards with photographs, uniform to all the staff employed for Operation and maintenance including transportation. It will be the responsibility of the successful bidder to have insurance coverage of the machine along with staff at their cost. They are requested to note that there will not be any reimbursement in this regard. Incase any mishap / accident occurs on the road or at site, the successful bidder will have to shoulder the complete responsibility of the same, right from registration of Police complaint, lodging / follow up of the insurance claim and facing the court trials etc. It shall be the responsibility of successful bidder to set right the machine without raising any extra bills / claim against the same.

8. Rejected equipment shall be removed by and at the expense of the contractor within seven days from the date on which notice of such rejection is given to contractor. If not so taken away, the Chief Mechanical Engineer may cause the goods or materials to be removed and charges the contractor with all expenses incurred in such removal.

D. TOOLS & TACKLES

The successful tenderer shall provide all the required tools and tackles for the operation and maintenance of the equipment's to their staff.

E. OTHERS

1. Communication system/ equipment's including mobile shall be provided by contractor as per the requirements of O & M so as to have effective communication between contractor and various controlling and monitoring authorities.
2. In order to maintain high standard of public image, the successful bidder shall fix a schedule for cleanliness and maintenance of the Solar Tree.
3. Bidders shall have to print Logo as directed. Note- Paints and Logo shall be confirmed prior to delivery.

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 to 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 in executing his work at VOCPA.
- 7.2.3 The contractor shall ensure that all wastes generated by his activities/work are moved to the respective dumpsites or taken for re-cycling 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 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) Contractor 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.

SECTION VIII

ANNEXURES AND FORMS

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	Form II – Transaction details for remittance of Earnest Money Deposit (as per Section II, clause 2.16.2.(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-IIA OR valid Certificates by MSEs for claiming exemption along with filled in Form-IIB	
3	Form III – Financial capability (as per clause 2.16.2.(iii)) 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	
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	Form IV A – Details of TDS certificate (if applicable) (as per Section II, clause (as per Section II, clause 2.16.2.(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	
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-XI – “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- X - Integrity pact (as per Section II, clause 2.16.2.(xi))	
16	The bidder shall submit the technical details and Bouchers of the proposed Solar tree to be deployed along with technical bids along with necessary certifications as per the technical requirement. Expected availability and CUF of the Solar tree, Energy Yield estimation report of the Solar tree and Design of the Solar Tree and structural drawings	
17	FORM-XII - Declaration of Power of Attorney	
16	Any other documents which need to be uploaded.	

17	Total number of the 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 work intended and do hereby express our interest to execute 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: _____

Mobile no.: _____

Date: _____

Bidder's

Signature: _____

Name: _____

Address: _____

Tel. No: _____

Mobile No: _____

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 the 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. The 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

Between

The Board of V.O. Chidambaranar Port Authority, a body corporate under Major Port Authority Act, 2021, represented by its having its office at Administrative building, V.O. Chidambaranar Port Authority, 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 represented by its Shri....., s/o..... (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

PREAMBLE

The Port intends to award, under laid down organizational procedures, contract/s for “-----” vide NIT No-----”. The Port values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness /transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, the Port will appoint an Independent External Monitor (IEM) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Port:

1. The Port commits itself to take all measures necessary to prevent corruption and to observe the following principles.
 - a) No employee of the Port, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - b) The Port will, during the tender process treat all Bidder(s) with equity and reason. The Port will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - c) The Port will exclude from the process all known prejudiced persons.

2. If the Port obtains information on the conduct of any of its employees which is a criminal offense under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Port will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ contractor(s):

1. The Bidder(s)/ Contractor(s) commits themselves to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
 - a) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Port's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b) The Bidder(s)/ Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Port as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
 - e) The Bidder(s)/Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to the IEM and shall wait for the decision in this matter.
2. The Bidder(s)/Contractor(s) will not instigate third persons to commit offenses outlined above or be an accessory to such offenses.

Section 3 – Disqualification from tender process and exclusion from future contracts:

1. If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of **Section 2** above or in any other form such as to put his reliability or credibility in question, the Port is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or terminate the Contract, if already signed, for such reasons mentioned above.
2. If the Bidder / Contractor have committed a serious transgression through a violation of **Section 2** such as to put reliability or credibility into question, the Port is entitled to exclude the Bidder / Contractor from participating in future tender processes. The imposition of such duration of exclusion shall be determined based on the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position

of the transgressors within the company hierarchy of the Bidder / Contractor and the amount of the damages. The exclusion may be imposed for a period of minimum 6 months to the maximum of 3 years. In such cases, the decision of the Port shall be final.

Section 4 – Compensation for Damages:

1. If the Port has disqualified the Bidder(s) from the tender process prior to the award of contract according to **Section 3**, the Port is entitled to demand and recover the damages equivalent to 3% of the tender value.
2. If the Port has terminated the contract according to **Section 3**, or if the Port is entitled to terminate the contract according to **Section 3**, the Port shall be entitled to demand and recover from the Contractor liquidated damages amount equivalent to 5% of the contract value.
3. If the Bidder / Contractor can prove that the exclusion of the Bidder / Contractor from the tender process or the termination of the contract has caused no damage or less damage than the amount of the above-mentioned liquidated damages, the Bidder / Contractor has to compensate only to the extent of damages caused due to the act of the Bidder / Contractor. However, if the Port can prove that the amount of the damage caused due to the disqualification of the Bidder / Contractor before the award of contract or after the termination of the contract is higher than the amount of the liquidated damages claimed, the Port is entitled to claim more compensation for the equivalent to the higher amount of damage.

Section 5 – Previous transgression:

1. The Bidder declares that no previous transgressions occurred in the last 3 (three) years with any other Company in any country conforming to the anti-corruption approach or with any Central / State Government / Autonomous bodies / Public Sector Enterprises in India that could justify his exclusion from the tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 – Equal treatment of all Bidders/Contractors/Subcontractors:

1. The Bidder(s) / Contractor(s) undertakes(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact and to submit it to the Port before signing of the Contract.
2. The Port will enter into agreements with identical conditions as this one with all Bidders, Contractors and Subcontractors.
3. The Port will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder(s) / Contractor(s) / Subcontractor(s):

If the Port obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Port has substantive suspicion in this regard, the Port will inform the same to the Chief Vigilance Officer.

Section 8 – Independent External Monitor / Monitors:

1. The Port appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. It will be obligatory for him to treat the information and documents of the Bidders/Contractors as confidential. He reports to the Chairman of the Board of the Port.
3. The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Port including that provided by the Contractor. The Contractor 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.
4. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality. The Monitor has also signed on 'Non-Disclosure of Confidential Information' and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform Chairman of the Port and rescue himself/herself from that case.
5. 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 Port and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
6. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Chairman of the Port and request the Chairman to discontinue or take corrective action or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
7. The Monitor will submit a written report to the Chairman of the Port within 8 to 10 weeks from the date of reference or intimation to him by the Port and, should the occasion arise, submit proposals for correcting problematic situations.
8. If the Monitor has reported to the Chairman of the Port, a substantiated suspicion of an offense under relevant IPC / PC Act or Anti-Corruption Laws of India, and the Chairman of the Port has not, within the reasonable time taken visible action to proceed against such offense or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
9. The word '**Monitor**' would include both singular and plural.

Section 9 – Pact Duration:

This Pact begins when both parties have legally signed it. It expires for the Contractor in 12 months after the last payment under the Contract Agreement, and for all other Bidders in 6 months after

the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairman of the Port.

Section 10 – Other provisions:

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the location of the Office of the Port, i.e. Tuticorin.
2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
5. Issues like Warranty / Guarantee etc., shall be outside the purview of IEMs.
6. In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.

..... (For & on behalf of the Port)	 (For & on behalf of the Bidder/Contractor)
---	--

..... (Office Seal)	 (Office Seal)
-----------------------------------	-----------------------------------

Place:

Date:

Witness with signature

- | | |
|-------------------|-------------------|
| 1) Name & Address | 2) Name & Address |
|-------------------|-------------------|

..... 	
--	--

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 conditions of the said Agreement 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 case of Consortium, representative 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 WHEREOF WE HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS
DAY OF20**

For(Name & Title)

For(Name & Title)

For(Name & Title)

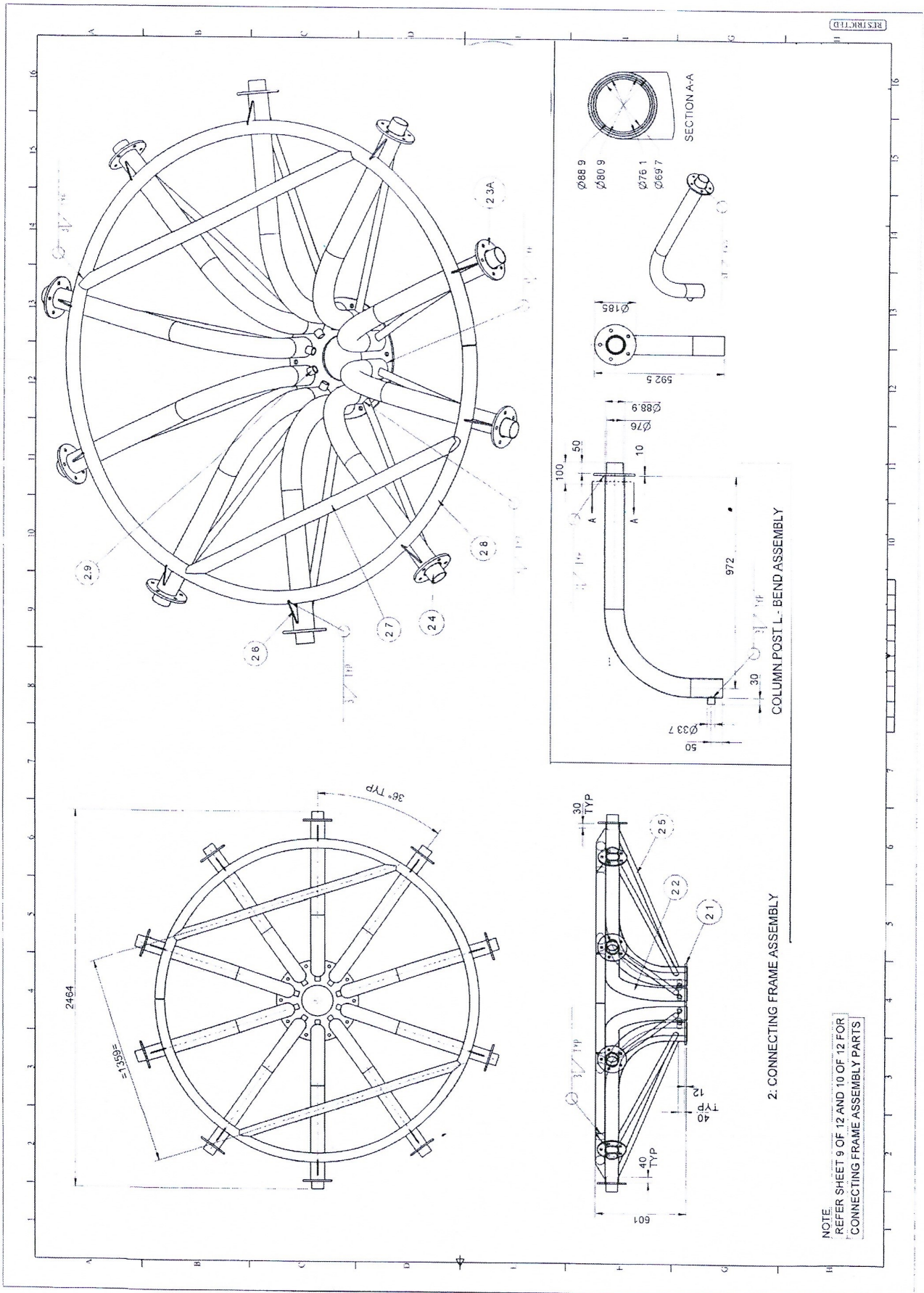
Witnesses:

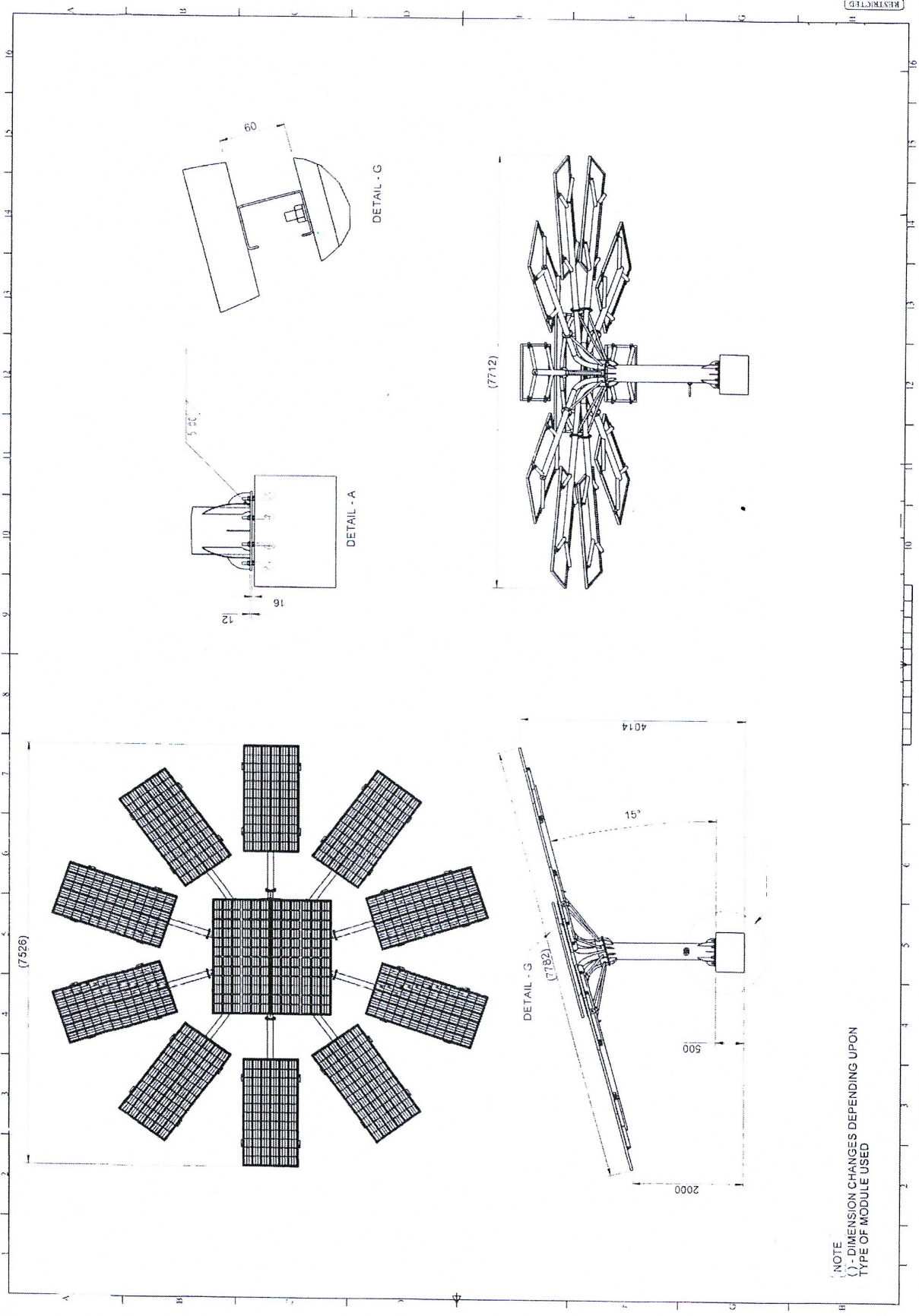
1.

2.

.....

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





NOTE
() - DIMENSION CHANGES DEPENDING UPON
TYPE OF MODULE USED