



CHENNAI PORT TRUST

e-TENDER No. MEE / 06 / 2018 / Dy.CME(ES&CH)

e- TENDER

FOR

**PROVIDING POWER SUPPLY ARRANGEMENTS FROM SHORE TO SHIP IN
CHENNAI PORT TRUST UNDER TWO COVER SYSTEM**

On line submission closing date : 15.00 Hrs. on 22.02.2018

On line Opening date: 15.00 hrs. on 23.02.2018

THROUGH E PROCUREMENT ON WEB SITE

e-procure.gov.in

CHENNAI PORT TRUST

MECHANICAL & ELECTRICAL ENGINEERING DEPARTMENT

e - TENDER NO: MEE / 06 / 2018 / Dy.CME(ES&CH)

**e - TENDER
FOR**

**“PROVIDING POWER SUPPLY ARRANGEMENTS FROM SHORE TO SHIP IN
CHENNAI PORT TRUST UNDER TWO COVER SYSTEM”**

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**CHENNAI PORT TRUST
M & EE Department**

e-PORTAL NOTICE INVITING TENDER

e - Tender NO: MEE/ 06 / 2018 / Dy.CME(ES&CH)

Sealed E-Tenders are invited for work for **“Providing power supply arrangements from Shore to Ships in Chennai Port Trust”**

On line submission closing date : 15.00 Hrs. on 22.02.2018

On line Opening date: 15.00 hrs. on 23.02.2018

Further details www.eprocure.gov.in
www.chennaiport.gov.in

CHIEF MECHANICAL ENGINEER

CHENNAI PORT TRUST
NIOT for Web Advertisement
Mechanical & Electrical Engineering Department
DY.CME (ES&CH) DIVISION
e - Tender NO: MEE / 06 / 2018 /Dy.CME(ES&CH)

Details about tender:

Department Name	Mechanical & Electrical Engineering Department
Circle/ Division	CHIEF MECHANICAL ENGINEER, Dy.Chief Mechanical Engineer (ES&CH) Division, Old Administrative Office Building, II Floor, Rajaji Salai, Chennai – 600 001.
Tender Notice No.	MEE/ 06 / 2018 / Dy.CME(ES&CH)
Name of Project	“e Tender for Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system”
Name of Work	“e Tender for Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system”
Estimated Contract Value (INR)	Rs.1,62,35,625 .00
Period of Completion (in Months)	The entire work shall be completed within 6 months from the 7 th day of issue of order.
Bidding Type	Open
Bid Call (Nos.)	One
Tender Currency Type	Single
Tender Currency Settings	Indian Rupee (INR)

Qualifying Criteria	<p>PRE-QUALIFICATION CRITERIA / BIDDING CONDITION</p> <p>i) The Average Annual Financial Turnover during the last Three (3) years ending 31st March 2017 should be at least INR Rs.48,70,688 /-. Annual turnover, profit and loss statements, balance sheet and Auditor's report for the last three years shall be submitted with endorsed by Chartered Accountant original copy for the year 2014-15, 2015-16 and 2016-17).</p> <p>ii) The Tenderer should have experience in 'Similar Works during last 7 years ending last day of month previous to the one in which tenders invited should be either of the following:-</p> <p>a) One similar completed work of contract value not less than Rs.1,29,88,500 /-; ie 80% of the total contract value (OR)</p> <p>b) Two similar completed works of contract value not less than Rs. 81,17,813 /- each ie 50% of the total contract value (OR)</p> <p>c) Three similar completed works of contract value not less than Rs.64,94,250 /- each ie 40% of the total contract value</p> <p>'SIMILAR' Works – means “carried out Supply and Installation of LT/HT/ CSS electrical works”.</p> <p>PI Note: (i) The Tenderers shall enclose the copy of the supporting documents, if not original to fulfill the eligibility criteria for pre-qualifications viz., Work Orders Copies for similar works, in the name of the Tenderer indicating breakup details of each items and their values, successful completion certificates from clients indicating the date of completion, value of work done, work order, ref No, and date etc.</p> <p>(ii) “TDS Certificates with relevant Traces shall be enclosed if the similar works executed in private organizations”.</p> <p>(iii) Your offer will be accepted subject to producing all the original documents for verification during acceptance of the offer.</p>
Joint Venture	Not Allowed
Rebate	Not Applicable
Bid Security/ EMD (INR) :	Rs.3,24,713 /- (Rupees Three lakhs twenty four thousand seven hundred and thirteen only)
Bid Security/ EMD (INR) In Favour Of :	The Chairman, Chennai Port Trust, Chennai.

Bid Document Downloading Start Date	02 / 02 / 2018 onwards
Bid Document Downloading End Date	22 / 02 / 2018 upto 15.00 Hrs.
Date & Place of Pre Bid Meeting	12/ 02 / 2018 @ 15.00 Hrs.
Last Date & Time for Receipt of Bids	22 / 02 / 2018 @ 14:30 Hrs.
Bid Validity Period	150 Days
Condition	<p>E.M.D. The Demand Draft / Banker's cheque on any other commercial bank payable at Chennai only above in favour CHAIRMAN, Chennai Port Trust or to claim exemption under Clause above, the Tenderers are required to produce a copy of the MSME registration certificate. The exemption from the payment of E.M.D. will be allowed only if the tender item of work/supply is covered in the enlistment statement attached to the MSME certificate.</p> <p>However, either a Soft copy (scanned copy) or Hard copy of EMD shall confirm the opening of the Technical Bid of the respective firms.</p> <p>TELEPHONE: (O) 044 – 2531 2542 mail: dycme@chennaiport.gov.in</p>
Remarks	Submission of EMD and other documents during office hours: on or before 22 / 02 / 2018 by RPAD/speed post/courier/hand in the chamber of Dy.CME(ES&CH), Chennai Port Trust, 2 nd Floor, Old Administrative Office Building, Rajaji Salai, Chennai – 600 001. Phone 044.2531 2542
Bid Opening Date	Techno-commercial Bid (Cover-I) will be opened on 23 / 02 /2018 @ 15:00 Hrs. Date of opening of price bid shall be notified after scrutiny and evaluation of Techno-commercial Bid.
Documents required to be submitted by scanning through online	a. Documents in support of fulfilling qualifying criteria as indicated above. b. indicated in clause 11.0 of section I – Instructions to Tenderers (ITT)
Officer- Inviting Bids:	CHIEF MECHANICAL ENGINEER
Bid Opening Authority :	CHIEF MECHANICAL ENGINEER
Address:	Chief Mechanical Engineer, VII Floor, Centenary Building, Rajaji Salai, Chennai – 600 001.
Contact Details :	The Dy.CME (ES&CH), Chennai Port Trust, 2 nd Floor, Old Admn. Office Building, Rajaji Salai, Chennai – 600 001.

	Phone No: 044 – 2531 2542 Email: dycme@chennai port.gov.in
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NOTE:

In case bidders need any clarifications or training to participate in online Tenders, they can contact Dy.CME (ES&CH) Cell Phone: 2531 2308.

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.

INSTRUCTIONS FOR ONLINE BID SUBMISSION

- l) Bidders to follow the following procedure to submit the bids online through the e-Procurement site <https://eprocure.gov.in>
1. Bidder should do the registration in the tender site using the 'Click here to Enroll' option available.
2. Then the Digital Signature of SIFY/TCS/nCode or any Certifying Authority is to be registered after logging into the site.
3. Bidder can use 'My Space' area to update standard documents in advance as required for various tenders and use them during bid submission. This will facilitate the bid submission process by reducing time.
4. Bidder may read the tenders published in the site and download the required documents/tender schedules for the tenders he is interested.
5. Bidder then logs into the site using the secured log in by giving the user id/password chosen during registration and password of the DSC/e-token.
6. Only one DSC should be used for a bidder and should not be misused by others.
7. Bidder should read the tender schedules carefully and submit the documents as asked, otherwise, the bid will be rejected.
8. If there are any clarifications, this may be obtained using clarifications or during the pre-bid meeting. Bidder should take into account of the corrigendum's published before submitting the bids online.
10. Bidder must in advance prepare the bid documents to be submitted as indicated in the tender schedule and they should be in required format. If there is more than one document, they can be clubbed together.
11. Bidder should prepare the EMD as specified in the tender. The original should be posted/couriered/given in person to the specified location as per Tender Document, latest by the date of bid submission.
12. Bidder selects the tender which he is interested using search option & then moves it to the my favorites folder.
13. From the my favorites folder, he selects the tender to view all the details indicated.
14. The Bidder reads the terms & conditions and accepts the same to proceed further to submit the bid.
15. The Bidder has to select the payment option as offline to pay the EMD as applicable.
16. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the bid submitted will not be acceptable.

17. The Bidder has to enter the password of the DSC/e-token and the required bid documents have to be uploaded one by one as indicated.
18. The rates offered details have to be entered separately in a spread sheet file (xls) in the space allotted and should be updated as BOQ.xls file for each tender after the financial bid. The BOQ file, if found modified by the bidder, his bid will be rejected.
19. The tendering system will give a successful bid updation message & then a bid summary will be shown with the bid no. & the date & time of submission of the bid with all other relevant details. The bidder has to submit the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid will be rejected.
20. The bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid.
21. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening date.
22. For any clarifications with the TIA, the bid number can be used as a reference.
23. Bidder should log into the site well in advance for bid submission so that he submits the bid in time (i.e.) on or before the bid submission time. If there is any delay, due to other issues, bidder only is responsible.
24. Each documents to be uploaded online for the tenders should be less than 2 MB. If any document is more than 2 MB, it can be reduced by scanning at low resolution and the same can be uploaded. However, if the file size is less than 1 MB the transaction uploading time will be very fast.
25. The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-procurement system. The bidder should follow this time during bid submission.
26. All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening.
27. The confidentiality of the bids is maintained since the secured Socket Layer 128 bit encryption technology is used Data storage encryption of sensitive fields is done.
28. Any documents that is uploaded to the sever is subjected to symmetric encryption using a generated symmetric key. Further this key is subjected to asymmetric encryption using buyers public keys. Overall, the submitted tender documents become readable only after the tender opening by the authorized individual.
29. Tenderer is required to submit their tender through online in the form of Two cover system on or before due date of closing time **22.02.2018 at 15.00 Hrs.** The tender received after the due date and time will not be entertained.

Tender Document can be submitted online only in the designated two cover system on the e-tender website eprocure.gov.in on or before the due date and time. However, one

Hard copy of the Tender shall be submitted as specified in the Tender. The time of opening of technical bid will be on **23.02.2018 at 14.30 Hrs.**

Tenderer should submit the tender as per specification indicated in Schedule 'A' and accordance with the instructions to Tenderers, Tender Information Sheet, General Conditions of Contract and Special Conditions of Contract.

II. COVER – I DETAILS : TECHNICAL AND COMMERCIAL

This shall contain scanned copy of the following:-

- i) Demand Draft / Banker's Cheque/ Bank Guarantee for EMD
- ii) Valid MSME registration for EMD.
- iii) Documents required as per Pre Qualification Criteria as specified in the Tender.

COVER – II DETAILS : BID (BOQ) - Price Schedule

Price should be quoted in Online "Price Schedule – 'A1' (as per BOQ). Price should be quoted in a spread sheet file (.xls format) available in e- procurement portal only. Any indication of 'Quoted price' in the online technical bid documents shall be lead to rejection of the bid outright. For evaluation purpose, the uploaded offer documents will be treated as authentic and final. The price bid submitted through e-procurement mode only will be taken up for the purpose for evaluation.

III. EVALUATION PROCESS:

- 1) A proposal shall be considered responsive if -
 - a. It is received by the proposed Due Date and Time.
 - b. It is Digitally Signed.
 - c. It contains the information and documents as required in the Tender Document.
 - d. Contains EMD
 - e. It contains information in formats specified in the Tender Document.
 - f. It mentions the validity period as set out in the document.
 - g. It provides the information in reasonable detail. The Port Trust reserves the right to determine whether the information has been provided in reasonable detail.
 - h. There are no significant inconsistencies between the proposal and the supporting documents.
 - i. The Technical qualification conforms to as specified in the eligibility criteria of General rules and directions for the guidance of the Tenderer.
 - j. A Tender that is substantially responsive in one that conforms to the preceding requirements without material deviation or reservation. A material deviation or reservation is one (1) which affects in any substantial way, the scope, quality, or performance of the Tenderer, or (2) which limits in any substantial way, inconsistent with the Tender document, or (3) whose rectification would affect unfairly the

competitive position of other Qualified Applicant presenting substantially responsive bids.

- k. The Port Trust reserves the right to reject any tender which in its opinion is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by the Port Trust in respect of such Tenders.
 - l. The Port Trust would have the right to review the Technical Qualification and seek clarifications wherever necessary.
- 2) Since the tender involves selection based on pre-qualification criteria and technical specification, the Chief Mechanical Engineer will examine and seek clarification if any and list out the firms, which are found technically suitable and Cover – II Price Bid of such tenders only will be opened and EMD will be returned to the disqualified tenderers.
- a) The date and time will be intimated to tenderers whose offers are found suitable and Cover – II of such tenderers will be opened on the specified time and date.
 - b) The cost of stamping Agreement must be borne by the successful Tenderer.
 - c) Tenderers should obtain temporary pass from the Port Asst. Traffic Manager (Central Pass Section) near Anchor Gate Hospital or from the office of the CME's Office, 7th floor, Centenary Building, Chennai Port Trust, Rajaji Salai, Chennai 600 001 to gain entry into the Trust's premises if necessary.
 - d) The **Fax/E-Mail offers will be treated as defective, invalid and rejected**. Only detailed complete offers received through online prior to closing time and date of the tenders will be taken as valid.

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PART 1 - TENDERING PROCEDURES

Section I Instructions to Tenderers (ITT)

This Section provides information to help Tenderers prepare their Tenders. Information is also provided on the submission, opening, and evaluation of Tenders and on the award of Contracts. Section I contains provisions that are to be used without modification.

Section II Tender Information Sheet (TIS)

This Section includes provisions that are specific to each procurement and that supplement Section I, Instructions to Tenderers.

Section III Evaluation and Qualification Criteria

This Section specifies the criteria to be used to determine the lowest evaluated Tender, and the Tenderer's qualification requirements to perform the contract.

Section IV Tendering Forms

This Section includes the forms for the Tender Submission, Price Schedules, Earnest Money Deposit, and the Manufacturer's Authorization to be submitted with the Tender.

PART 2 – SUPPLY REQUIREMENTS

Section V Schedule of Requirements

This Section includes the List of Goods and Related Services, the Delivery and Completion Schedules, the Technical Specifications and the Drawings that describe the Goods and Related Services to be procured.

PART 3 – CONTRACT

Section VI. General Conditions of Contract (GCC)

This Section includes the general clauses to be applied in all contracts.

Section VII. Special Conditions of Contract (SCC)

This Section includes clauses specific to each contract that modify or supplement Section VI, General Conditions of Contract.

Section VIII: Contract Forms

This Section includes the form for the Agreement, which, once completed, incorporates corrections or modifications to the accepted Tender that are permitted under the Instructions to Tenderers, the General Conditions of Contract, and the Special Conditions of Contract.

The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Tenderer after contract award.

Section IX: Integrity Pact

Integrity Pact

PART-1

Tendering Procedures

Section I. Instructions to Tenderers Table of Clauses

- A. General
 - 1. Scope of Tender
 - 2. Name of the Procurement
 - 3. Fraud and Corruption
 - 4. Eligible Tenderers
 - 5. Eligible Goods and Related Services

- B. Contents of Tendering Documents
 - 6. Sections of Tendering Documents
 - 7. Clarification of Tendering Documents
 - 8. Amendment of Tendering Documents

- C. Preparation of Tenders
 - 9. Cost of Tendering
 - 10. Language of Tender
 - 11. Documents Comprising the Tender
 - 12. Form of Tender and Price Schedules
 - 13. Alternative Proposals
 - 14. Tender Prices and Discounts
 - 15. Currency of Tender
 - 16. Documents Establishing the Eligibility of the Tenderer
 - 17. Documents Establishing the Eligibility of the Goods and Related Services
 - 18. Documents Establishing the Conformity of the Goods and Related Services
 - 19. Documents Establishing the Qualifications of the Tenderer
 - 20. Period of Validity of Tenders
 - 21. Earnest Money Deposit
 - 22. Format and Signing of Tender

- D. Submission and Opening of Tenders
 - 23. Deadline for Submission of Tenders

- E. Evaluation and Comparison of Tenders
 - 24. Confidentiality
 - 25. Clarification of Tenders
 - 26. Responsiveness of Tenders
 - 27. Non-conformities, Errors, and Omissions
 - 28. Preliminary Examination of Tenders
 - 29. Examination of Terms and Conditions, Technical Evaluations
 - 30. Conversion to Single Currency
 - 31. Domestic Preference
 - 32. Evaluation of Tenders
 - 33. Comparison of Tenders
 - 34. Joint venture
 - 35. Employer/ Port's Right to Accept Any Tender, and to Reject Any or All Tenders

F. Award of Contract

36.Award Criteria

37.Employer/ Port's Right to Vary Quantities at Time of Award

38.Notification of Award

39.Signing of Contract

40.Performance Guarantee

SECTION – I INSTRUCTIONS TO TENDERER

1 Scope of Tender

The Employer/ Chennai Port Trust indicated in the Tendering Information Sheet (**TIS**), issues these Tendering Documents for **“Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system”** as specified in Section V, Schedule of Requirements.

1.1 Throughout these Tendering Documents:

- (a) the term **“in writing”** means communicated in written form by printed and/ or neatly typed on computer. Communication means message received by the Employer or received from Employer by mail, e-mail, fax, courier, post with proof of receipt/ delivery;
- (b) if the context so requires, **“singular”** means **“plural”** and vice versa; and
- (c) **“day”** means calendar day.
- (d) **“Procurement”** means the entire scope of work as specified in Section V, Schedule of Requirements
- (e)

2.0 Name of the Procurement

2.1 **“Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system”**

3.0 Fraud and Corruption

3.1 The Employer/ Port, Tenderers, Contractors, sub contractors, and consultants, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the Employer/ Port

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) **“corrupt practice”** means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
 - (ii) **“fraudulent practice”** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
 - (iii) **“collusive practice”** means a scheme or arrangement between two or more Tenderers, designed to establish Tender prices at artificial, non competitive levels; and
 - (iv) **“coercive practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;

- (b) will reject a proposal for award if it determines that the Tenderer recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;
- (c) will terminate contract if it determines at any time that representatives of the Employer/ Port engaged in corrupt, fraudulent, collusive or coercive practices during the procurement or the execution of that contract;
- (d) will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that they have, directly or through an agent, engaged, in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a contract; and
- (e) will have the right to require that a provision be included in Tendering Documents and in contracts, requiring Tenderers, Contractor's and consultants to permit the Employer to inspect their accounts and records and other documents relating to the Tender submission and contract performance.

3.2 Furthermore, Tenderers shall be aware of the provision stated in Sub- Clause 35.1 (a)(iii) of the General Conditions of Contract.3.2 Furthermore, Tenderers shall be aware of the provision stated in Sub- Clause 35.1 (a)(iii) of the General Conditions of Contract.

4.0 Eligible Tenders

4.1 A Tenderer, and all parties constituting the Tenderer, may have the nationality of any country. A Tenderer shall be deemed to have the Indian nationality is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or Contractors for any part of the Contract including Related Services.

4.2. A Tenderer shall not have a conflict of interest. All Tenderers found to have conflict of interest shall be disqualified. Tenderers may be considered to have a conflict of interest with one or more parties in this Tendering process, if they:

- (a) are or have been associated in the past, with a firm or any of its affiliates which have been engaged by the Employer to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under these Tendering Documents ; or
- (b) submit more than one Tender in this Tendering process However, this does not limit the participation of subcontractors in more than one Tender;

4.3 A Tenderer that is under a declaration of ineligibility by the Employer in accordance with ITT Clause 3, at the date of contract award, shall be disqualified. The list of black-listed firms is available at the Employer's Website as specified in the TIS.

4.4 Tenderers shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.

5.0 Eligible equipment and Related Services

- 5.1 All the Equipment and Related Services to be supplied under the Contract as specified under Section V, Schedule of Requirements.

For purposes of this Clause, the term Goods means for “**Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system**” which includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” includes services such as insurance, installation, training, as specified in Section V, Schedule of Requirements.

B. Contents of Tendering Documents

6.0 Sections of Tendering Documents

- 6.1 The Tendering Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITT Clause 8.

PART 1 Tendering Procedures

- Section I. Instructions to Tenderers (ITT)
- Section II. Tender Information Sheet (TIS)
- Section III. Evaluation and Qualification
- Section IV. Tendering Forms

PART 2 Supply Requirements

- Section V. Schedule of Requirements

PART 3 Contract

- Section VI. General Conditions of Contract (GCC)
- Section VII. Special Conditions of Contract (SCC)
- Section VIII. Contract Forms
- Section IX. Integrity Pact

- 6.2 The Complete Tender document (except drawings) may be downloaded from the Port's web site as specified in **TIS**. Such down loaded documents shall be considered valid for participating in the Tender process.
- 6.3 The Notice Inviting Tenders (NIT) issued by the Employer forms part of the Tendering Documents and Integrity Pact
- 6.4 The Employer shall make his all out efforts to ensure the correctness of Documents available on the Web site. The Employer is not responsible for the completeness or correctness of the Tendering Documents and their addendum, if they were not obtained directly from the Employer.
- 6.5 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the Tendering Documents. Failure to furnish all information or documentation required by the Tendering Documents may result in the rejection of the Tender.

In case of tender document being downloaded from the web site, at the time of submission of (the hard copy of) the tender document, the Tenderer shall give an undertaking that no changes have been made in the document as per declaration form Section IV, He shall be issued a printed set of the Document under acknowledgement with a condition that the printed version of the Port Tender document will be treated as the authentic tender and if any discrepancy is noticed at any stage between the Port's tender document and the one

submitted by the Tenderer, the conditions mentioned in the port's printed document shall prevail. Besides the Tenderer shall be liable for legal action for the lapses.

7.0 Clarifications of Tendering Documents

7.1 A prospective Tenderer requiring any clarification of the Tendering Documents shall contact the Employer in writing at the Employer's address specified in the **TIS**. The Employer will respond in writing to any request for clarification, provided that such request is received not later than three (3) days prior to the date of pre-bid meeting. As Specified in **TIS**, Employer will conduct the Pre bid meeting and prospective Tenderers may attend the Pre-bid meeting. Employer shall issue clarifications during the meeting. The Employer shall forward copies of its response to all those who have purchased the Tendering Documents directly from it, including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Tendering Documents as a result of a clarification, it shall do so following the procedure under ITT Clause 8 and ITT Sub-Clause 23.2. However, the Minutes of Meeting/ Clarifications/ Addenda shall be posted on the Employer's Web site.

7.2 The Tenderer shall be deemed to have thoroughly examined the General and Special Conditions of contract, Various Schedules, drawings and scope of site works and restrictions thereof. If he shall have any issues to be clarified, the same shall be brought to the notice of the Employer in writing as set out in ITT clause 7.1.

8.0 Amendment of Tendering Documents

8.1 At any time prior to the deadline for submission of Tenders, the Employer may amend the Tendering Documents by issuing addendum.

8.2 Any addendum issued shall be part of the Tendering Documents and shall be communicated in writing to all who have obtained the Tendering Documents directly from the Employer.

To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, the Employer may, at its discretion, extend the deadline for the submission of Tenders, pursuant to ITT Sub-Clause 23.2

C. Preparation of Tenders

9. Cost of Tendering

9.1 The Tenderer shall bear all costs associated with the preparation and submission of its Tender, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.

10. Language of Tender

10.1 The Tender, as well as all correspondence and documents relating to the Tender exchanged by the Tenderer and the Employer, shall be written in the language specified in the **TIS**. Supporting documents and printed literature that are part of the Tender may be in another language provided they are accompanied by an accurate translation of the relevant passages into the language specified in the **TIS**, in which case, for purposes of interpretation of the Tender, such translation shall govern.

11.0 Documents comprising the Tender

11.1 The Tender shall comprise the following:

- (a) Form of Tender and the applicable Price Schedules, in accordance with ITT Clauses 12, 14, and 15;
- (b) Earnest Money Deposit (EMD), in accordance with ITT Clause 21, if required;
- (c) written confirmation authorising the signatory of the Tender to commit the Tenderer, in accordance with ITT Clause 22;
- (d) documentary evidence in accordance with ITT Clause 16 establishing the Tenderer's eligibility to Tender;
- (e) documentary evidence in accordance with ITT Clause 17, that the Goods and Related Services to be supplied by the Tenderer as specified in Section V, Schedule of Requirements;
- (f) documentary evidence in accordance with ITT Clauses 18 and 30, that the Goods and Related Services conform to the Tendering Documents;
- (g) documentary evidence in accordance with ITT Clause 19 establishing the Tenderer's qualifications to perform the contract if its Tender is accepted; and
- (h) any other document required in the TIS.

12.0 Form of Tender

12.1. The Tenderer shall submit the Form of Tender using the form furnished in Section IV, Tendering Forms. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

13.0 Alternative Proposal

13.1 Alternative proposals **shall not be considered**, unless otherwise specified in TIS.

14.0 Tender Prices and Discounts

14.1 The prices and discounts quoted by the Tenderer in the Form of Tender and in the Price Schedules shall conform to the requirements specified below.

14.2 All lots and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the Price Schedules but specified in the Section V, Schedule of Requirements, their prices are deemed to have been in the Prices of other items.

14.3 The price to be quoted in the **Price Schedule - Schedule A1** shall be the total price of the Tender, excluding any discounts offered.

14.4 The Tenderer shall quote unconditional discounts, if any and indicate the method for their application in the Form of Tender.

14.5 Prices shall be quoted as specified in each Price Schedule included in Section IV, Tendering Forms. The dis-aggregation of price components is required solely for the purpose of facilitating the comparison of Tenders by the Employer. This shall not in any way limit the Employer's right to contract on any of the terms offered. The

Tenderer may obtain transport and insurance services as specified in **TIS**. Prices shall be entered in the following manner:

- (a)** For Goods manufactured in India:
- (i) the price of the Goods quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
 - (ii) any sales tax and other taxes which will be payable on the Goods if the contract is awarded to the Tenderer; and
 - (iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) specified in the **TIS**.
- (b)** for Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements:
- (i) the price of each item comprising the Related Services (inclusive of all applicable taxes).

14.6 Prices quoted by the Tenderer shall be fixed during the Tenderer's performance of the Contract and not subject to variation on any account unless otherwise specified in **TIS** and in accordance with GCC clause 30.1. A Tender submitted with an adjustable price quotation shall be treated as non responsive and shall be rejected, pursuant to ITT Clause 30.

15.0. Currency of Tender

The Tenderer shall quote their rate in Indian Currency (INR), unless otherwise specified in the **TIS.6**

16.0 Documents establishing the Eligibility of the Tender

16.1 To establish their eligibility in accordance with ITT Clause 4, Tenderers shall complete the Form of Tender, included in Section IV, Tendering Forms.

17.0 Documents establishing the Eligibility of the Goods and Related Services

17.1. To establish the eligibility of the Goods and Related Services in accordance with ITT Clause 5, Tenderers shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Tendering Forms.

18. Documents establishing the Conformity of the Goods and Related Services

18.1 To establish the conformity of the Goods and Related Services to the Tendering Documents, the Tenderer shall furnish as part of its Tender the documentary evidence that the Goods conform to the technical specifications and standards specified in Section V, Schedule of Requirements.

18.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements.

18.3 The Tenderer shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period specified in the **TIS** following commencement of the use of the goods by the Employer.

18.4 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Employer in the Schedule of Requirements, are intended to be descriptive only and not restrictive.

19.0 Documents establishing the Qualifications of the Tenderer

19.1 The documentary evidence of the Tenderer's qualifications to perform the contract if its Tender is accepted shall establish to the Employer's satisfaction:

- (a) that, if required in the TIS, a Tenderer that does not manufacture or produce the Goods it offers to supply shall submit Manufacturer's Authorization using the form included in Section IV, Tendering forms to demonstrate that it has been duly authorized by the manufacture or producer of the Goods to supply these Goods in India;
- (b) that, if required in the TIS, in case of a Tenderer not doing business with in India, the Tenderer is or will be (if awarded the contract) represented by an Agent in the country equipped and able to carry out the Contactor's maintenance, repair and spare parts stocking obligations prescribed in the Conditions of contract and / or Technical specifications; and
- (c) that the Tenderer meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

20.0 Period of Validity of Tenders

20.1 Tenders shall remain valid for the period specified in the **TIS** after the Tender submission deadline date prescribed by the Employer. A Tender valid for a shorter period shall be rejected by the Employer as non responsive.

20.2 In exceptional circumstances, prior to the expiration of the Tender validity period, the Employer may request Tenderers to extend the period of validity of their Tenders. The request and the responses shall be made in writing. If an EMD is requested in accordance with ITT Clause 21, it shall also be extended for a corresponding period. A Tenderer may refuse the request without forfeiting its EMD. A Tenderer granting the request shall not be required or permitted to modify its Tender.

21.0 Earnest Money Deposit

21.1 The Tenderer shall furnish as part of its Tender, an EMD, as specified in the TIS.

21.2 The EMD shall be in the amount specified in the TIS and denominated in the currency of the Employer's Country.

- (a) at the Tenderer's option, be in the form of either a Demand Draft/ in favour of Chairman, Chennai Port Trust payable in Chennai in accordance with ITT clause 21.1 and as specified in the TIS or a bank guarantee from any of the commercial banks in Chennai in accordance with ITT clause 21.1 and as specified in the TIS

- (b) The exemption from the payment of E.M.D. will be allowed only if the tender item of work/supply is covered in the enlistment statement attached to the valid MSME certificate.
- (c) EMD not in the form and manner as per ITT clause 21.2(a) shall not be accepted and bid shall be treated as bid without EMD;
- (d) be payable promptly upon written demand by the Employer in case the conditions listed in ITT Clause 21.5 are invoked;
- (e) be submitted in its original form; copies will not be accepted;
- (f) remain valid for a period of 45 days beyond the validity period of the Tenders, as extended, if applicable, in accordance with ITT Clause 20.2;

21.3 If an EMD is required in accordance with ITT Sub-Clause 21.1, any Tender not accompanied by EMD in accordance with ITT Sub-Clause 21.1, shall be rejected by the Employer as non-responsive.

21.4 The EMD/ Bank guarantee for EMD of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer's furnishing of the Performance Guarantee pursuant to ITT Clause 40.

21.5 The EMD may be forfeited:

- (a) if a Tenderer withdraws its Tender during the period of Tender validity specified by the Tenderer on the Form of Tender, except as provided in ITT Sub-Clause 20.2; or
- (b) if the successful Tenderer fails to:
 - (i) sign the Contract in accordance with ITT Clause 39;
 - (ii) furnish a Performance Guarantee in accordance with ITT Clause 40.
 - (iii) pursuant to ITT clause 27.4.

21.6 The Tenderer shall note that the no interest is payable on the EMD by the Employer.

22.0 Format and Signing of the Tender

22.1 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. However, One Hard copy of the tender shall be submitted as described in ITT Clause 11 and clearly mark it "ONE HARD COPY OF THE TENDER".

22.2. In case of tender document being downloaded from the web site, at the time of submission of (the hard copy of) the tender document, the Tenderer shall give an undertaking that no changes have been made in the document as per declaration form Section IV, He shall be issued a printed set of the Document under acknowledgement with a condition that the printed version of the Port Tender document will be treated as the authentic tender and if any discrepancy is noticed at any stage between the Port's tender document and the one submitted by the Tenderer, the conditions mentioned in the port's printed document shall prevail. Besides the Tenderer shall be liable for legal action for the lapses.

D. Submission of One Hard Copy of the offer as specified in the Tender

23.0 Deadline for the submission of the Tenders

- 23.1. Hard Copy of the Tenders must be received by the Employer at the address and not later than the date and time specified in the **TIS**.
- 23.2 The Employer may, at its discretion, extend the deadline for the submission of Tenders by amending the Tendering Documents in accordance with ITT Clause 8, in which case all rights and obligations of the Employer and Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

E. Evaluation and Comparison of Tenders

24.0 Confidentiality

- 24.1 Information relating to the examination, evaluation, comparison and post-qualification of Tenders, and recommendation of contract award, shall not be disclosed to Tenderers or any other persons not officially concerned with such process until publication of the Contract Award.
- 24.2 Any effort by a Tenderer to influence the Employer in the examination, evaluation, and comparison, of the Tenders or contract award decisions may result in the rejection of its Tender and forfeiture of EMD.
- 24.3 Notwithstanding ITT Sub-Clause 24.2, from the time of Tender opening to the time of Contract Award, if any Tenderer wishes to contact the Employer on any matter related to the Tendering process, it should do so in writing.

25.0 Clarification of Tenders

- 25.1 To assist in the examination, evaluation and comparison of the Tenders, the Employer may, at its discretion, ask any Tenderer for a clarification of its Tender. Any clarification submitted by a Tenderer in respect to its Tender and that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change in the prices or substance of the Tender shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Employer in the Evaluation of the Tenders, in accordance with ITT Clause 27.

26.0 Responsiveness of Tenders

Prior to evaluation of Applications, the Authority shall determine whether each Application is responsive to the requirements of the tender. An application shall be considered responsive only if:

- a. it is received by the Application Due date including any extension thereof
- b. it is signed, sealed, bound together in the hard copy of the Tender document.
- c. Auditor's report of Annual turn over for last three years in original and notarized copies of profit and loss statements and balance sheet for last three years with endorsed by CA.
- d. Copies of work order for similar works, successful completion certificate with performance and value of work done.
- e. Copy of valid EA license in the Firm's name
- f. it is accompanied by the Power of Attorney
- g. it contains all the information in formats and documents as requested in all respects
- h. Copy of ESI registration Number
- i. Copy of GST Tax registration number

- 26.1 The Employer's determination of a Tender's responsiveness shall be based on the contents of the Tender itself and clarifications in accordance with ITT clause 25.
- 26.2. A substantially responsive Tender is one that conforms to all the terms, conditions, and specifications of the Tendering Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
- (a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract any substantial way, inconsistent with the Tendering Documents, the Employer's rights or the Tenderer's obligations under the Contract; or
 - (b) if rectified would unfairly affect the competitive position of other Tenderers presenting substantially responsive Tenders.
- 26.3 Tenders shall not contain the following information/ conditions to consider them responsive :
- (a) Either direct or indirect reference leading to reveal the Prices of the Tenders in the Techno-Commercial Covers;
 - (b) Techno-commercial conditions in the Price Cover;
 - (c) adjustable prices;
 - (d) irrelevant information.
- 26.4 If a Tender is not substantially responsive to the Tendering Documents, it shall be rejected by the Employer and may not subsequently be made responsive by the Tenderer by correction of the material deviation, reservation, or omission.

27.0 Non-conformities, Errors and Omissions

- 27.1 Provided that a Tender is substantially responsive, the Employer may waive any non-conformities or omissions in the Tender that do not constitute a material deviation.
- 27.2 Provided that a Tender is substantially responsive, the Employer may request that the Tenderer submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Tender related to documentation requirements. Such omission shall not be related to any aspect of the price of the Tender. Failure of the Tenderer to comply with the request may result in the rejection of its Tender.
- 27.3 Provided that the Tender is substantially responsive, the Employer shall correct arithmetical errors on the following basis:
- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals or arithmetically corrected sub totals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

27.4 If the Tenderer that submitted the lowest evaluated Tender does not accept the correction of arithmetical errors, its Tender shall be rejected and treated in accordance ITT clause 21.5.

28.0 Preliminary Examination of Tenders

28.1 The Employer shall examine the Tenders to confirm that all documents and technical documentation requested in ITT Clause 11 have been provided, and to determine the completeness of each document submitted.

28.2 The Employer shall confirm that the following documents and information have been provided in the Tender. If any of these documents or information is missing, the offer shall be rejected.

- (a) Form of Tender, in accordance with ITT Sub-Clause 12.1;
- (b) Price Schedules, in accordance with ITT Sub-Clause 12.2;
- (c) EMD, in accordance with ITT Clause 21, if applicable.

29.0 Examination of Terms and Conditions, Technical Evaluations

29.1 The Employer shall examine the Tender to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Tenderer without any material deviation or reservation.

29.2 The Employer shall evaluate the technical aspects of the Tender submitted in accordance with ITT Clause 18, to confirm that all requirements specified in Section V, Schedule of Requirements of the Tendering Documents have been met without any material deviation or reservation.

29.3 If, after the examination of the terms and conditions and the technical evaluation, the Employer determines that the Tender is not substantially responsive in accordance with ITT Clause 26, it shall reject the Tender.

30.0 Conversion to Single Currency

30.1 For evaluation and comparison will be in Indian currency only.

31.0 Domestic/ Price/Purchase Preference

31.1 No Domestic/ Purchase/ Price preference is envisaged unless otherwise stated in TIS.

32.0 Evaluation of Tenders

32.1 The Employer shall evaluate each Tender that has been determined, up to this stage of the evaluation, to be substantially responsive. The Employer shall evaluate the Techno Commercial cover as following :

- (a) Evaluation in accordance with ITT clause 28 and 29;
- (b) Evaluation in accordance with Section III;

32.2 To evaluate a Tender, the Employer shall only use all the factors, methodologies and criteria defined in ITT Clause 32. No other criteria or methodology shall be permitted.

32.3 To evaluate a Tender of those Tenderers whose tenders are evaluated in accordance with ITT clause 32.1 and found responsive in accordance with ITT clause 26, the Employer shall consider the following:

- (a) evaluation will be done for as specified in the TIS; and the Tender Price as quoted in accordance with clause 14;
- (b) price adjustment for correction of arithmetic errors in accordance with ITT Sub-Clause 27.3;

- (c) price adjustment due to discounts offered in accordance with ITT Sub-Clause 14.4;
- (d) due to the application of the evaluation criteria specified in the **TIS** from amongst those set out in Section III, Evaluation and Qualification Criteria;

33.0 Comparison of Tenders

33.1 The Employer shall compare all substantially responsive Tenders to determine the lowest-evaluated Tender, in accordance with ITT Clause 32.

34.0 Joint Venture (JV)

34.1 JV is not permitted in this tender.

35.0 Employer's Right to Accept any Tender and to Reject any Or all Tenders

35.1. The Employer reserves the right to accept or reject any Tender, and to annul the Tendering process and reject all Tenders at any time prior to contract award, without thereby incurring any liability to Tenderers.

F. Award of Contract

36.0 Award Criteria

36.1 The Employer shall award the Contract to the Tenderer whose offer has been determined to be the lowest evaluated Tender and is substantially responsive to the Tendering Documents, based on the "FINAL COST" to the Employer.

37.0 Employers's Right to Vary Quantities at Time of Award

37.1 At the time the Contract is awarded, the Employer reserves the right to increase or decrease ie 10% the quantity of Goods and Related Services originally specified in Section V, Schedule of Requirements, provided this does not exceed the percentages specified in the **TIS**, and without any change in the unit prices or other terms and conditions of the Tender and the Tendering Documents.

38.0 Notification of Award

38.1 Prior to the expiration of the period of Tender validity or extended validity in accordance with ITT clause 20.2, the Employer shall notify the successful Tenderer, in writing, that its Tender has been accepted.

38.2 Until a formal Contract is prepared and executed, the notification of award and Form of Tender shall constitute a binding Contract.

38.3 The Employer shall publish in its Website the Notification of Award detailing the following information:

- i. Tender No.
- ii. Item/ Nature of work
- iii. Mode of Tender Enquiry
- iv. Date of Publication of NIT
- v. Type of Bidding (Single/ Two Bid System)
- vi. Last date of receipt of tender
- vii. Nos. of tenders recd.
- viii. Nos. and names of parties qualified after technical evaluation
- ix. Nos. and names of parties not qualified after technical evaluation
- x. Whether contract awarded to lowest Tenderer/ Evaluated L1
- xi. Contract No. & Date
- xii. Name of Contractor

- xiii. Value of Contract
 - xiv. Scheduled date of completion of supplies
- 38.4 Upon the successful Tenderer's furnishing of the signed Agreement Form and performance guarantee pursuant to ITT Clause 40, the Employer will promptly notify each unsuccessful Tenderer and will discharge its EMD, pursuant to ITT Clause 21.4.

39.0 Signing of Contract

- 39.1 Promptly after notification, the Employer shall send to the successful Tenderer the draft agreement and the Special Conditions of Contract.
- 39.2 Within specified period, as specified in **TIS**, the successful Tenderer shall sign, date, and return the Agreement Form to the Employer from the date of Receipt of Notification of Award issued by the Employer in accordance with ITT Clause 37.1
- 39.3 All Costs, charges and expenses of drafting the Contract Agreement including Stamp Duty shall be borne by the Successful Tenderer.
- 39.4 Successful tenderer shall forfeit EMD pursuant to ITT clause No. 21.5 (b)(ii).

40.0 Performance Guarantee

- 40.1 Within specified period, as specified in **TIS**, of the receipt of notification of award from the Employer, the successful Tenderer, if required, shall furnish the Performance Guarantee in accordance with the GCC, using for that purpose the Performance Guarantee Form included in Section VIII, Contract forms, or another Form acceptable to the Employer. The Employer shall promptly notify the discharge of EMD to each of the unsuccessful Tenderers pursuant to ITT Sub-Clause 21.4. from the date of Receipt of Notification of Award issued by the Employer in accordance with ITT Clause 37.1
- 40.2 Failure of the successful Tenderer to submit the above-mentioned Performance Guarantee or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD in accordance with ITT clause 21.
- 40.3 All Costs, charges and Expenses including drafting and/or approving drafts and stamp duty and as well as Bank Guarantee or any other Form in accordance with GCC clause 17, shall be borne by the Successful Tenderer.
- 40.4. No interest shall be payable by the Employer on Performance Guarantee Amounts.

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Section II. Tender Information Sheet (TIS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Tenderers (ITT). Whenever there is a conflict, the provisions herein shall prevail over those in ITT.

ITT Clause Reference	A. General
ITT 1.1	The Employer is: Chennai Port Trust, Chennai. Tender No. MEE / 06 / 2018 /Dy.CME(ES&CH) Name: “ e Tender for the Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system ”
ITT 2.1	The title of the Project is: “ e Tender for the Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system ”
ITT 4.3	A list of Black Listed firms participating in this tender is available at http://www.chennaiport.gov.in .
	B. Contents of Tendering Documents
ITT 7.1	For <u>Clarification of Tender purposes</u> only, the Employer’s address is: The Dy.CME (ES&CH), Chennai Port Trust, 2nd Floor, Old Admn. Office Building, Rajaji Salai, Chennai – 600 001. Phone No: 044 – 2531 2542 Email – dycme@chennaiport.gov.in Pre bid meeting shall be conducted at CME’s Conference Hall, Office of the Chief Mechanical Engineer, 7th Floor, Centenary Building, Chennai Port Trust on 12.02.2018 at 15.00 Hrs. <i>Prospective Tenderers may attend the same.</i>
	C. Preparation of Tenders
ITT 10.1	The language of the Tender is: “ <i>English</i> ”. Tenderers shall not submit Tenders in ANY OTHER language. The Contract to be signed with the Successful Tenderer shall be written in the language in which the Tender was submitted, which will be the language that shall govern the contractual relations between the Employer and the SUCCESSFUL Tenderer. A Tenderer shall not sign a translated version of its Contract”.
ITT 11.1 (h)	The Tenderer shall submit the following additional documents in its

	<p>Tender:</p> <p>a. Reports on financial standing of the Tenderer including annual turn over, Profit and loss statements, balance sheet, and, auditor's report for the last three years, an estimated financial projection for the next two years, Level of working capital, Access to bank loan or credit facilities and details of the current work in progress including value, current outstanding payable etc.</p> <p>b. Details of current commitments and details of work completed in past.</p> <p>c. Experience in having executed similar Works during last 7 years ending last day of the month previous to the one in which tender invited along with Contract value and other related details (copies of the supply orders placed on them by the parties).</p> <p>d. Arrangement for importing spare parts, tie up with local firms for supply of spare parts, if any and arrangement for after sales service.</p> <p>e. The completion certificate shall indicate the work order reference and value for which the work order was executed. All the above documents should be notarized by the notary public.</p>
ITT 13.1	Alternative Proposals <i>shall not be</i> considered.
ITT 14.5	Insurance and Transport shall be arranged in accordance with GCC clause 23 and 24 respectively.
ITT 14.5 (a) (iii)	“Final destination (Project Site)”: Deputy Chief Mechanical Engineer (ES &CH), Chennai Port Trust, Rajaji Salai, Chennai, Tamilnadu.
ITT 14.6	The prices quoted by the Tenderer <i>shall not</i> be adjustable except on account of statutory taxes and duties payable in INDIA and in accordance with GCC clause 31.1
ITT 15.0	The Tenderer is required to quote in only INR
ITT 18.3	Tenderer shall submit a list of mandatory spares, critical spares and regularly used spares/consumables required for proper functioning of Air conditioners Tender. The list should also denote an approximately periodicity / interval at which the spares would likely to be used, thus justifying them for the initial procurement.
ITT 19.1.(a)	Manufacturer's authorization is mandatory
ITT 19.1.(b)	The Tenderer shall submit his/ manufacture's details of service agent / representative's address in India along with Tel/ Fax/ Mail addresses for the use of Employer.
ITT 20.1	The Tender validity period shall be 150 days
ITT 21.1 and 21.2 (a)	<p>Tender shall include an EMD in the form of Demand Draft/ Bankers'Cheque/ in favour of "CHAIRMAN, Chennai Port Trust, Chennai" and payable at Chennai or Bank Guarantee from the any of the commercial bank.</p> <p>The exemption from the payment of E.M.D. will be allowed only if the tender item of work/supply is covered in the enlistment statement attached to the valid MSME certificate.</p>

	<p>EMD shall be refunded to all other tenderers except for L1 and L2, immediately after ranking of bids based on price bids. However, EMD of L1 & L2 shall be refunded immediately after entering into an agreement with the successful bidder and upon submission of Bank guarantee towards Performance Guarantee by L1.</p> <p>EMD shall be valid for 28 days beyond the validity of bids in accordance with ITT clause 20.1.</p>
ITT 21.2	The amount of the Earnest Money Deposit (EMD) shall be: Rs.3,24,713 /- (<i>Rupees Three lakhs twenty four thousand seven hundred and thirteen only</i>)
ITT 22.1	In addition to the Online Tender, one Hard Copy of the tender is required as specified in the Tender.
	D. Submission of Hard Copy Tender
ITT 23.1	Tenderers <i>shall</i> submit their Tenders electronically only i.e., E-Tendering mode. However, One Hard Copy of the tender shall be submitted as specified in the Tender.
ITT 23.1	<p>For the purpose of submission of One Hard copy to Employer's address is: The Chief Mechanical Engineer, 7th floor, Centenary Building Chennai Port Trust, Rajaji Salai, Chennai – 600 001. Country: <i>India</i> Telephone: (044) – 25362070 Facsimile number: (044) – 25360955 The deadline for the submission of Tenders is: Date: 23 / 02 / 2018 at 14.30 Hrs.</p>
ITT 27.1	<p>The Tender opening at: Deputy Chief Mechanical Engineer (ES &CH), Chennai Port Trust, Chennai, Tamilnadu. Time:15.00 Hrs. and Date: 23 / 02 / 2018</p>
	E. Evaluation and Comparison of Tenders
ITT 30.1	Not applicable to this tender, since the quoted price is in Indian National Rupees only.
ITT 31.1	Domestic/Price/Purchase preference: No
ITT 32.3(a)	The total cost will be taken for the evaluation.
ITT 32.3(d)	The contract price shall be determined using the criteria set out in Section III, Evaluation and Qualification Criteria.
ITT 34.1	JVs/Consortia is not applicable to this contract.
	F. Award of Contract
ITT 36.1	Contract will be awarded to the lowest tenderer based on the total

	cost
ITT 37.1	The maximum percentage by which quantities may be increased is: 30% The maximum percentage by which quantities may be decreased is: 30%
ITT 39.2 and 40.1	Contract Agreement shall be executed by the successful bidder and Security Deposit/ Performance Guarantee shall be submitted by the by the successful bidder within 21 days after receipt of order.

Section III.
Evaluation and Qualification Criteria

This Section complements the Instructions to Tenderers. It contains the criteria that the Employer may use to evaluate a Tender and determine whether a Tenderer has the required qualifications. No other criteria shall be used.

Contents

1. Joint Venture (ITT 34.1) - Not applicable to this tender
2. Evaluation Criteria (ITT 32.3 {d})
3. Pre Qualification Criteria
1. **Evaluation Criteria (ITT 32.3 (d))**

The Employer's evaluation of a Tender may take into account, in addition to the Tender Price quoted in accordance with ITT Clause 14.5, one or more of the following factors as specified in ITT Sub-Clause 32.1 and in **TIS** referring to ITT 32.3(d), using the following criteria and methodologies.

(a) Delivery & Completion schedule (as specified in the TIS)

The Goods specified in the List of Goods are required to be delivered within the acceptable delivery period as specified in Section V, Delivery Schedule. No credit will be given to deliveries before the earliest date, and Tenders offering delivery periods beyond planned delivery periods shall be treated as **non responsive**.

(b) Deviation in payment schedule.

Tenderers shall state their Tender price for the payment schedule outlined in accordance with clause of **GCC** read with **SCC** Tenders shall be evaluated on the basis of **Final Price to the Employer. Tenderer shall not be permitted to state an alternative payment schedule.**

(c) The cost towards supply of items shall include the cost incurred during guarantee period for carrying out maintenance and servicing as per the schedule and any breakdown inclusive of spares (critical, mandatory, consumables, replacement, etc., as the case may be) required for preventive and breakdown maintenance.

2. PRE-QUALIFICATION CRITERIA

i) PRE-QUALIFICATION CRITERIA / BIDDING CONDITION

The **Average Annual Financial Turnover** during the last Three (3) years ending 31st March 2017 should be at least **INR Rs.48,70,688 /-**. Annual turnover, profit and loss statements, balance sheet and Auditor's report for the last three years shall be submitted with endorsed by Chartered Accountant original copy for the year 2014-15, 2015-16 and 2016-17).

ii) The Tenderer should have experience in 'Similar Works during last 7 years ending last day of month previous to the one in which tenders invited should be either of the following:-

- a) **One** similar completed work of contract value not less than **Rs.1,29,88,500** /-; ie 80% of the total contract value
(OR)
- b) **Two** similar completed works of contract value not less than **Rs. 81,17,813 /- each** ie 50% of the total contract value
(OR)
- c) **Three** similar completed works of contract value not less than **Rs.64,94,250 /- each** ie 40% of the total contract value

'SIMILAR' Works – means “carried out Supply and Installation of LT/HT/ CSS electrical works”.

PI Note: (i) The Tenderers shall enclose the copy of the supporting documents, if not original to fulfill the eligibility criteria for pre-qualifications viz., Work Orders Copies for similar works, in the name of the Tenderer indicating breakup details of each items and their values, successful completion certificates from clients indicating the date of completion, value of work done, etc.

(ii) “TDS Certificates with relevant Traces shall also be enclosed if the similar works executed in private organizations”.

(iii) Your offer will be accepted subject to producing all the original documents for verification during acceptance of the offer.

&&&&&&&

Specimen Pre-QUALIFICATION OF BIDDERS

The information to be filled in by the Bidder in the following pages will be used for purposes of Pre-Qualification as provided for in the Instructions to Tenderers.

1. Only for Individual Bidders

1.1. Constitution or legal status of Bidder (*Attach copy*)

- Place of registration:
- Principal place of business
- (Power of attorney of signatory of Bid (Attach))

2. Turnover of the Firm

Year LAST THREE FINANCIAL YEARS ENDING 31ST MARCH	Turnover
2014-15	
2015-16	
2016-17	

Attachments: Attested copies of Financial reports for the last **three** years: Balance sheets, profit and loss statements, auditors' reports (in case of companies/corporation) etc. List them below and attach copies.

3. Similar Works during last seven years

Particulars	Year	No. of Works	Value
Total value of completed similar work as defined in the tender document during last 7 years ending last day of month previous to the one in which tenders invited			

Attachments: Supporting documents, viz., successful completion certificate indicating the work order reference and value for which the work order was executed from clients, other documentations to substantiate the similarity of work as per definition of 'Similar work' employer reserves the right to verify the information:

4. Information on litigation history in which the Bidder is involved.

Other parties)	Port	Cause of dispute	Amount	Remarks involved showing present status.

5. Additional Information Bidder may like to submit

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Tenderer]*

Dated on _____ day of _____, _____ *[insert date of signing]*

SECTION IV
TENDERING FORMS
Table of Forms

1. Declaration Form – (Form-1)
2. Authority letter (Form-2)
3. Tender Submission Form – (Form-3)
4. Tenderer Information Form - (Form-4)
5. BG authorisation - (Form-5)
6. Price Schedule:- Form-6 - Price Schedule for Electrification works

SPECIMEN FORMAT FOR DECLARATION

(To be executed on bidder's letter head)

To:

The Chief Mechanical Engineer
Chennai Port Trust,
Chennai 600 001.

(Project Title) : **“e Tender for the Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system”**

Ref: **MEE / 06 / 2018 / Dy.CME (ES&CH)**

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

- (a) The information furnished in our bid is true and accurate to the best of my knowledge.
- (b) That in case of being pre-qualified, we acknowledge that the Employer may invite us to participate in due time for the opening of Price cover of the tender on the basis of provisions made in the tender documents to follow.
- (c) When the call for tenders is issued, if the legal, technical or financial conditions, or the contractual capacity of the firm or joint venture changes, we commit ourselves to inform you and acknowledge your sole right to review the pre-qualification made.
- (d) We enclose all the required pre-qualification data format and all other documents and supplementary information required for the pre-qualification evaluation.
- (e) We also state that no changes have been made by us in the downloaded tender documents and also understand that in the event of any discrepancies observed, the printed tender document **No.MEE/ 06 / 2018 / Dy.CME(ES&CH)** is full and final for all legal/contractual obligations (delete if not required).

Date:

Place:

Name of the Applicant : _____

Represented by (Name & capacity) _____

SPECIMEN LETTER OF AUTHORITY FOR SUBMISSION OF BID
(To be executed on Rs. 100/- non-judicial Stamp Paper)

To

The Chief Mechanical Engineer
Chennai Port Trust,
Chennai - 600 001

Dear Sir,

We----- do hereby confirm that Shri ----- (Name, designation and Address) is/ are authorised to represent us to bid, negotiate and conclude the agreement on our behalf with you against tender no. ----- and his specimen signature is appended here to..

We confirm that we shall be bound by all and whatsoever our said signatory shall commit.

We understand that the communication made with him by the Employer/ Board shall be deemed to have been done with us in respect of this Tender.

[specimen signature]

Yours faithfully,

Signature:

Name & Designation:

For & on behalf of:

Duly notarized on a stamp paper

SPECIMEN FOR FORM OF BID
(To be executed on bidder's letter head)

*[The Tenderer shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted The Form shall be submitted in both the **Techno- Commercial and Price Covers separately.**]*

Date: *[insert date (as day, month and year) of Tender Submission]*

Tender No.: *[insert Tender number and Title]*

To:

The Chief Mechanical Engineer
Chennai Port Trust,
Chennai – 600 001

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Tendering Documents, including Addenda No.: *[insert the number and issuing date of each Addenda, Clarifications issued after Pre-bid meeting along with Minutes];*
- (b) We offer to execute the work in conformity with the Tendering Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements *in accordance with the tender document bearing no. {insert Tender no.};*
- (c) The total price of our Tender, excluding any discounts offered in item (d) below, is: *[insert the total Tender price in words and figures, indicating the various amounts and the respective currencies]; [in case of Techno- Commercial offer it shall be mentioned that “as filled in the Price Bid”]* and like to avail/ not to avail (**delete whichever not applicable**) the advance in accordance with GCC 15.1;
- (d) The discounts offered and the methodology for their application are:
Discounts. If our Tender is accepted, the following discounts shall apply. *[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.] [in case of Techno- Commercial offer it shall be mentioned that “ as filled in the Price Bid”]*
Methodology of Application of the Discounts. The discounts shall be applied using the following method: *[Specify in detail the method that shall be used to apply the discounts]; [in case of Techno- Commercial offer it shall be mentioned that “as filled in the Price Bid”]*
- (e) Our tender shall be valid for the period of time specified in **ITT Sub-Clause 20.1**, from the date fixed for the Tender submission deadline in accordance with **ITT Sub-Clause 24.1**, and it shall remain binding upon us and may be accepted at any time before the expiration of that period or any extended period in accordance with **ITT Sub-Clause 20.2**;
- (f) If our tender is accepted, we commit to obtain a performance guarantee in accordance with **ITT Sub-Clause 40 and GCC clause 17** for the due performance of the Contract, as specified in specimen form for the purpose;
- (g) We, including any subcontractors or Contractors for any part of the contract, *[insert the nationality of the Tenderer, including that of all parties that comprise the Tenderer.*

- (h) We have no conflict of interest in accordance with **ITT Sub-Clause 4.2**;
- (i) Our firm, its affiliates or subsidiaries—including any subcontractors or Contractor s for any part of the contract—has not been declared ineligible by the Port, under laws of India or official regulations, in accordance with **ITT Sub-Clause 4.3**;
- (j) We understand that this Tender, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract Agreement is prepared and executed in accordance with **ITT Clause 39** and as per specimen form the purpose;
- (k) We understand that you are not bound to accept the lowest evaluated Tender or any other Tender that you may receive.
- (l) We also make specific note clauses of **GCC, SCC, ITT and TIS** under which the Contract is governed.
- (m) In case of Out Station Firms, having a branch in India for liaison purposes, please mention the Name of the Contact person and Tel. No., Fax No., and mail- Id and also the Complete Postal Address of the Firm.
- (n) We understand that the Communication made with the Firm at (m), by the Port shall be deemed to have been done with us.

Signed: *[insert signature of person whose name and capacity are shown]*

In the capacity of *[insert legal capacity of person signing the Form of Tender]*

Name: *[insert complete name of person signing the Form of Tender]*

Duly authorized to sign the Tender for and on behalf of: *[insert complete name of Tenderer]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Tenderer Information Form

[The Tenderer shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Tender Submission]*

Tender No.: *[insert number of Tendering process]*

Page _____ of _____ pages

1. Tenderer's Legal Name <i>[insert Tenderer's legal name]</i>
2. In case of JV, legal name of each party: [Not applicable]
3. Tenderer's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration along with Registration Details]</i>
4. Tenderer's Year of Registration: <i>[insert Tenderer's year of registration]</i>
5. Tenderer's Legal Address in Country of Registration: <i>[insert Tenderer's legal address in country of registration]</i>
6. Tenderer's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
7. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITT Sub-Clauses 4.1 and 4.2. <input type="checkbox"/> In case of government owned entity from India, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITT Sub-Clause 4.4 <input type="checkbox"/> <u>PAN NUMBER</u> <input type="checkbox"/> <u>GST Number</u>

(This format is required to be utilized for giving confirmation of Bank Guarantees)

SPECIMEN LETTER OF AUTHORITY FROM BANK FOR ALL BGs
(To be executed on Bank's Letter Head)

Date :

To,
The Board of Trustees
Chennai Port Trust,
Chennai – 600 001.

Dear Sir,

Sub : Our Bank Guarantee No. _____ dated
_____ for Rs. _____ favouring yourselves
issued on a/c of M/s. _____.
(Name of contractor)

.....

We confirm having issued the above mentioned guarantee favouring
yourselves, issued on account of M/s. _____ validity for expiry upto
date _____ and claim expiry date _____ upto _____.

We also confirm 1) _____ 2) _____ is/are
empowered to sign such Bank Guarantee on behalf of the Bank and his/their signatures
is/are binding on the Bank.

Name of Signature of Bank Officer

Price Schedule Forms

*[The Tenderer shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Employer in the Schedule of Requirements.]*

[To be filled and filed in Price cover only]

[To be filed with unfilled (blank) form in techno commercial cover]

SCHEDULE OF QUANTITIES & PRICES
SCHEDULE – ‘A1’

Sl. No.	Description of the work	Unit	Qty	Rate in Rupees	Amount in Rupees
1.	Supply, Installation, testing and commissioning of 500 KVA Static Frequency Converter with IP42 (SFC) as per Technical specification including copper plate earthing. a) Supply b) Installation	Set Set	1 1		
2.	Supply, Installation, testing and commissioning of 500 KVA Isolation Transformer as per Technical specification including copper plate earthing. a) Supply b) Installation	No. No.	1 1		
3.	Design, Supply and Installation of 3 way, L.T. distribution panel with ACBs and MCCBs as per Technical specification schedule ‘A’ including maintenance free earthing. a) Supply b) Installation	Set Set	1 1		
4.	Design, Supply and Installation of 2Nos. 400A TPN, Isolator switch suitable for frequent operation with extended handle as per Technical specification schedule ‘A’. a) Supply b) Installation	Set. Set.	1 1		
5.	Supply of 3 ½ core X 185 Sq.mm. LT Aluminum XLPE cable including end terminations accessories as per Technical specification of schedule ‘A’.	Mtrs.	800		
	i) Laying of 3 ½ core 185 Sq.mm. LT Aluminum XLPE cable in the existing trench from the LT panel to Isolator switch including making end terminations as per Technical specification of schedule ‘A’.	Mtrs.	800		

6	Supply of elastomeric 3 core 185 sq,mm copper trailing cable from Isolator switch in the wharf pit to ship with making suitable end terminations as per Technical specification of schedule 'A'.	Mtrs.	500			
					Total	
					Applicable SGSTs @ 9 %	
					Applicable SGSTs @ 9 %	
(OR)					Applicable IGSTs @ 18%	
					Grand Total Amount in Rs.	

Firm's Sign and Seal

PART 2

Supply Requirements

Section V

Schedule of Requirements

Contents

1. **List of Goods and Delivery Schedule**
2. **Technical Specifications for Power supply arrangements from shore to ships**
3. **Inspections and Tests**
4. **Exceptions and Deviations**

Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the Tendering documents by the Employer, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable Tenderers to prepare their Tenders efficiently and accurately, in particular, the Price Schedule, for which a form is provided in Section IV. In addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITT Clause 37.

The date or period for delivery should be carefully specified, taking into account

- (a) the implications of delivery terms stipulated in the Instructions to Tenderers is as pursuant to the one specified in the **Schedule of Requirements delivery schedule** (i.e., "delivery" takes place when goods are delivered **to the final destination i.e. Chennai Port Trust Chennai – 600 001** and
- (b) the date prescribed herein from which the Employer's delivery obligations start (i.e., from the date of receipt of the Order by the firm").

1. List of Goods and Delivery Schedule

NAME OF WORK:- “e tender for Providing power supply arrangements from Shore to Ships in Chennai Port Trust under two cover system”

Line Item No.	Description of Goods	Qty	Physical Unit	Final (Project site) Destination as specified in TIS	Delivery Date	
					Delivery & Completion Period	Tenderer's offered period (to be provided by the tenderer)
1	2	3	4	5	6	7
1	Supply of 500 KVA Static Frequency Converter with IP42 (SFC) as per Technical specification including copper plate earthing.	1	Set.	Chennai Port Trust, Chennai – 600 001	6 Months from the 7 th day of issue of order	
2	Supply of 500 KVA Isolation Transformer as per Technical specification including copper plate earthing.	1	Set.			
3	Design and Supply of 3 way, L.T. distribution panel with ACBs and MCCBs as per Technical specification schedule 'A' including maintenance free earthing	1	Set.			
4	Design and Supply of 400A TPN, Isolator switch suitable for frequent operation with extended handle as per Technical specification schedule 'A'.	1	No.			
5	Supply of 3 ½ core X 185 Sq.mm. LT Aluminum XLPE cable including end terminations accessories as per Technical specification of schedule 'A'.	800	Mtr.			
6	Supply of elastomeric 3	500	Mtr.			

	core 185 sq,mm copper trailing cable from wharf pit to ship with end terminations as per Technical specification of schedule 'A'.					
--	--	--	--	--	--	--

Name of bidder

Signature of Bidder

(insert complete name of Bidder)

{Signature of person signing the BID}
 date (insert date)

TECHNICAL SPECIFICATION

SCHEDULE - 'A'

1.0 GENERAL:

Chennai Port Trust is proposed to provide power supply arrangements for ships from shore to Ship at WQ wharfs in Chennai Port Trust.

2.0. ELIGIBILITY CRITERIA:

PRE-QUALIFICATION CRITERIA / BIDDING CONDITION

- i) The **Average Annual Financial Turnover** during the last Three (3) years ending 31st March 2017 should be at least **INR Rs.48,70,688 /-**. Annual turnover, profit and loss statements, balance sheet and Auditor's report for the last three years shall be submitted with endorsed by Chartered Accountant original copy for the year 2014-15, 2015-16 and 2016-17).
- ii) The Tenderer should have experience in 'Similar Works during last 7 years ending last day of month previous to the one in which tenders invited should be either of the following:-
 - a) **One** similar completed work of contract value not less than **Rs.1,29,88,500 /-**; ie 80% of the total contract value
(OR)
 - b) **Two** similar completed works of contract value not less than **Rs.81,17,813 /-** each ie 50% of the total contract value
(OR)
 - c) **Three** similar completed works of contract value not less than **Rs.64,94,250 /-** each ie 40% of the total contract value

'SIMILAR' Works – means "carried out Supply and Installation of LT/HT/ CSS electrical works".

PI Note: (i) The Tenderers shall enclose the copy of the supporting documents, if not original to fulfill the eligibility criteria for pre-qualifications viz., Work Orders Copies for similar works, in the name of the Tenderer indicating breakup details of each items and their values, successful completion certificates from clients indicating the date of completion, value of work done, etc.

(ii) "TDS Certificates with relevant Traces shall also be enclosed if the similar works executed in private organizations".

(iii) Your offer will be accepted subject to producing all the original documents for verification during acceptance of the offer.

3.0. SCOPE OF WORKS:

- Supply, Installation of 500 KVA Static Frequency Converter (SFC).
- Supply, Installation of 500 KVA Isolation Transformer.
- Supply, Installation of 400 amps. Isolator switch at wharf with CRCA enclosure.

- Supply, Installation of LT panel with ACBs and MCCBs with all other accessories.
- Supply and laying of L.T. cables and L.T. Trailing cables and end termination. Provision of copper Plate Earthing and G.I. Flats, etc., However, all the materials should be supplied and executed as per relevant IS Standard and IER.
- Testing and commissioning of SFC, Isolation Transformer, LT Panel, Isolator Box, Earthing, etc., and produce test certificate.
- The work shall be executed as per the direction of EIC (Engineer In Charge)
- All transport and Tools etc, shall be borne by the contractor.

4.0 STANDARDS

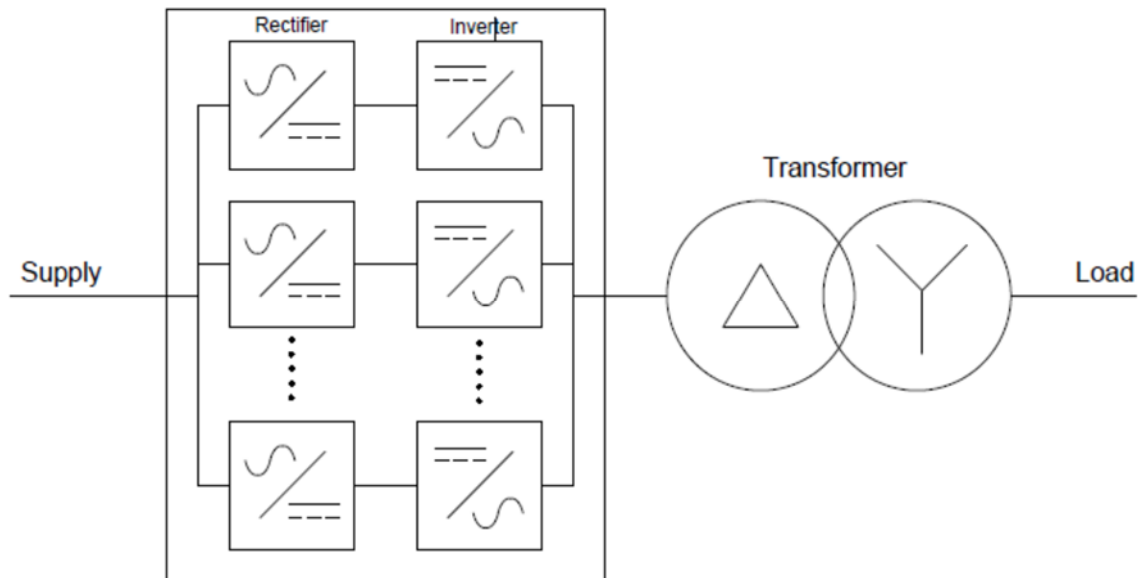
The design, supply, Installation testing and commissioning of the various equipment and accessories covered in this specification shall comply as per relevant IS standards with latest amendments.

5.0. TECHNICAL SPECIFICATIONS: -

5.1. 500 KVA STATIC FREQUENCY CONVERTOR:

The Static Frequency Converter, SFC, allows connection of 60Hz powered equipment to a 50Hz supply network and vice versa. To convert the supply voltage to a different voltage to match the requirement of the load. The system functions by converting the input AC power through a sine wave rectifier to a DC link and then through an AC sine wave inverter to produce a clean, full sine wave output at the new frequency and voltage. The SFC shall be suitable for feeding power supply to foreign ships for acceptable.

SFC Connection Details:



2.

Power Electronics

The SFC system should be constructed using power electronic modules. These state of the art modules operate as rectifiers to source sinusoidal current from the supply, and inverters to reproduce the AC waveforms on the output.

3. User Interface

The primary user interface should be via a door mounted touch screen Graphical Display Module (GDM). The display is intuitive and is navigated by touching on the desired menu buttons.

4. Four Quadrant Operations:

SFC should be capable to operate in four Quadrant, i.e., power flow should be Bi directional.

5. Event Log:

SFC should have an event log facility. Maximum of 5000 events should be able to download through front panel.

6. MODBUS TCP

MODBUS TCP connection should be provided with SFC converters fitted with the GDM user interface. Connection is via an Ethernet cable to the Ethernet port on the bottom of the GDM.

7. Remote Synchronizing Feature

The SFC should connect to a live AC bus using its in-built synchronizer. This allows uninterrupted power to an AC bus while transferring from alternate AC sources such as standby generators to the SFC.

8. Rectifiers & Inverters

Considering the redundancy SFC should be constructed using pairs of rectifier and inverter power modules (module pairs). The rectifier modules convert the incoming three phase AC voltage into a regulated DC voltage. The DC voltage is then supplied to the inverter modules to be re-created into AC voltage at a different frequency.

These modules should be having independently. That is, if one module fails, it will automatically be withdrawn from service while the remaining modules continue to run. This provides redundancy (at reduced capacity) and very high availability.

9. Power Module Redundancy Feature

One unique feature critical to the reliability of the converted output supply is the built-in redundancy capability which is an intrinsic feature of the modular system design. In an unlikely event where either a single rectifier or inverter module encounters a fault and stop functioning, the master controller that oversees the rectifier/inverter module pairs will reduce the output capacity to the available remaining working rectifier/inverter module pairs.

This reduction of capacity is transparent as typically the converter is not running at full load. The load will not be shed, but it will be transferred seamlessly to the remaining module pairs in the converter. A rectifier module failure will result in the controller automatically transferring the load to the remaining pairs of rectifier/inverters. Advanced Redundancy feature required to improve power electronics reliability and availability improvements.

- ✓ Reduces power output in a failure only by a small fraction of the total system power
- ✓ Allows flexible planning of converter repair/faulty module replacement.

10. Parallel load sharing

SFC should be flexible with regard to paralleling with other voltage sources, either other generators or multiple SFC units. Parallel load sharing should be achieved using frequency and voltage droop profiles programmed into the converter. This allows the converters to share power with other systems without the need for any additional communication signals. In addition, SFC converters of different power ratings can be paralleled, with each one delivering the same percentage of its rated power as required by the load.

11. Power Flow Control

SFC should have advanced power flow control ability to control the power flow from one AC grid to another AC grid.

12. Automatic Output Synchronization

Where two or more SFC units are paralleled together, or the SFC is connected to an AC bus with other generators, starting the SFC into the live bus should be simplified through automatic output synchronization feature. Using this feature whenever an SFC is commanded to run it will first check its output to see if there is a live bus connected (for example when changing from generator supply onboard a vessel to SFC supply). If the output of the SFC is live, then the SFC controller will first phase lock to this exact voltage and frequency before enabling the inverter modules. This enables a full seamless transfer from generator supply to SFC supply on the output bus. If the output bus is dead when the SFC is given a start command it should ramp up the voltage over 1 second, providing a soft energizing of the output.

13. Remote Synchronization

In addition to the automatic output synchronization feature the SFC should also have a dedicated voltage sensing input to allow the converter to synchronize its output to any other three phase voltage reference. This feature is particularly useful where two separate busses must be synchronized before connecting them together i.e. closing a bus tie breaker on a vessel switchboard.

14. Output Short Circuit Protection

Should a short circuit occur on the SFC output the converter automatically provides current limiting to 200% of nominal current for 2 seconds. This allows discrimination with downstream protection. If the fault is still present after 2 second the SFC should trip offline to avoid damage.

When supplying power to berthed vessels, it is necessary for the SFC to have an output transformer. The transformer will not only provide voltage matching and isolation of the common mode voltages generated by the converter but also very importantly galvanic isolation for the ship from the shore earth. The isolation is required to eliminate earth currents that cause galvanic corrosion between the ship's hull and other metal objects.

Data Sheet for 500 KVA Static Frequency Converter			
Clause	Parameter	Requirement	Compliance YES or NO
a)	GENERAL		

1	Rating	500 KVA	
2	Enclosure IP rating	IP 42	
3	Pollution degree rating	2	
4	Operation	Four Quadrant	
5	Power Flow	Bi Directional	
6	Power Flow Control	Required	
7	Design	Modular Design with Rectifier & Inverter Modules	
8	Operating Temperature	0 °C to 50 °C Max	
9	Cooling	Forced Air	
10	Temperature De-rating	Above 40 °C, derate by 2%	
		load per °C to a maximum of 50 °C	
11	Humidity	< 95% non-condensing	
12	Noise	75-85 dBA typical	
13	Electromagnetic Compatibility	CISPR 11 class A	
14	Enclosure Materials	Electro-galvanized Steel	
15	Colour	RAL 7035	
16	Panel Thickness – Sides &	As per the type test certificate CPRI /ERDA	
	Rear Panels		
17	Enclosure Access	Hinged doors with key lock	
b)	INPUT		
1	Type	IGBT Based	
2	Voltage	208-480 V ± 10%	
3	Power System	3-Phase TN	
4	Frequency	50 Hz or 60 Hz	
5	Frequency Range	± 5 Hz	
6	Max. Continuous Voltage	110%	
7	Overload Capacity	150% for 30 seconds	
8	Overvoltage Category	III	

9	Efficiency	95% Typ	
10	Current Harmonics	<3% THDi (at rated load)	
11	Power Factor	Unity (adjustable)	
c)	OUTPUT		
1	Capacity Rating	500 KVA	
2	Voltage	440 V with 480/440 V Transformer	
3	Frequency	60 Hz	
4	Voltage Harmonics	< 2.5% THDv (linear load)	
5	Overload Capability	120% for 10 min	
		150% for 30 s	
6	Short Circuit limit	200% for 2 s	
7	Voltage Accuracy	+/- 1%	
8	Frequency Accuracy	+/- 0.1%	
9	Termination of UG cable	2 or 3 runs of 3.5 core 185 sq.mm	
d)	STANDARDS		
1	ISO 90001 Quality Assurance system		
2	IEC62103 / EN 50178		
3	CE Mark		

Copper Plate earthing for above SFC:

The earth connection shall be made of copper plate size: 600mm x600mm x 3mm and section of the conductor conforming to IS 3043 to safely carry the maximum fault current for a short period without burning the conductor and pass on the fault current is in excess of this, additional earth connections under fault condition and at no time the potential shall exceed 5 volts between the equipment and earth. The earth system shall be mechanically robust and joints shall be capable of retaining low resistance even after many passages of fault current. The G.I. flats of size 50x 6mm shall be interconnected of earth pits.

Interconnections and joints for earth conductors shall be riveted and soldered for retaining low resistance.

Each earth bar should be connected to the main earth through a bolted removable link. All ground connections shall be compounded and braided.

The earth electrodes of 100mm dia, Class B shall be driven to a depth of not less than 2.7 meters below the ground level and at least 3 meters away from the

building and any other earth electrodes treating the soil surrounding the electrodes with the salt, coke and charcoal in accordance with IS 3043.

2 Nos. Copper plate earthing for SFC.

Note: Supply & laying of 50 x 6 mm GI flat and supply & Making of 2Nos. Plate Earth pits are under the scope of contractor without any extra cost

7.0. CAST RESIN DRY TYPE ISOLATION TRANSFORMER

7.1. SCOPE:

This standard specification covers the general requirements for the design, engineering, manufacture, testing, packing and supply of 500 KVA, 3 Phase, 60Hz, Indoor type double copper wound, Dry Type transformer (having general requirements listed in following paragraphs) complete with fittings as detailed elsewhere. The Transformer Data sheet accompanies this specification. Accessories of Transformer shall be supplied as per IS standard.

STANDARDS:

The design and manufacture of totally enclosed Dry type Isolation Transformer shall comply with the applicable clauses of the latest editions of relevant standards. In case of any conflict, the requirements of this standard specification shall prevail.

7.2 Constructional Details:

- (i) The Transformer shall be Dry type suitable for Indoor Installation at Zero meter from Sea Level. This shall be provided with Bolted enclosure and construction to suit IP 44.
- (ii) The transformer shall be housed pre-treated CRCA sheet steel enclosure as per the type test report of CPRI/ERDA and mounted on 4 Nos.bi-directional rollers fitted on cross channels to facilitate the movement of the transformer in both direction. Enclosure shall be provided with metal screen at top and bottom for ventilation. Degree of protection of enclosure shall be IP 44. Enclosure shall be provided with limit switch or worked accordingly to trip breaker if the door is open when the transformer is ON. Transformer Inspection Cover/doors shall be open able type and shall be provided with limit switches and wired accordingly to trip the Breaker if the same is opened when the transformer is ON.
- (iii) All the fasteners and bolts shall be of with SS 304/316.
- (iv) The Transformer shall be double wound core type with cold rolled grain oriented silicon steel laminations perfectly insulated on both sides for low losses and clamped to minimize vibrations and noise. Core fastening bolts shall be insulated to reduce losses and avoid hot spots. All parts of the magnetic circuit shall be effectively connected to earth system.
- (v) The winding shall be designed for full load current to withstand the thermal and electromagnetic stresses arising due to maximum fault level. The current carrying winding joints shall be electrically brazed.

- (vi) Windings shall be made of copper and insulation shall be of class H, windings, shall be completely impregnated and cast under vacuum into molds. This process shall form the insulation system of uniform glass fiber epoxy laminate of highest electrical and mechanical quality, into which windings shall be void less embedded. Both the primary and secondary windings of each phase shall be separately cast as one rigid tubular coil.
- (vii) The contractor is to ensure that the Transformer offered by him fits in the allocated space in the sub-station area of the building.
- (viii) Thermistor sensors shall be provided to measure the temperature of the winding inside the cast coils. The temperature protection equipment shall be suitable at 48/24 V. D.C. supply. The temperature rise of winding shall not exceed by 115 deg C by resistance on continuous full load above maximum ambient temperature of 50 deg C.

Service conditions

- Altitude: Chennai sea level. (Must prevail the Buyer's site conditions.)
- Maximum ambient temperature:
Never over 50° C and never below - 5° C. (Must prevail the Buyer's site conditions.)
In addition, an ambient air temperature near

7.3 Terminals and Marshalling Box:

- (i) Primary and secondary Cable box shall be suitably dimensioned to accept terminations of 3 RUNS OF 3.5 Core 185 sq.mm XLPE cable from top entry as specified in the tender.
- (ii) Marshalling box shall be weather-tight. All protective devices and neutral CTs shall be wired by means of PVC insulated armoured cables upto marshalling box.

7.4. Testing :

Routine shall be performed on the Transformers as per IS in the presence of purchaser's representative and certified test reports submitted. Minimum two weeks' notice shall be given to the purchaser to witness the tests at the vendor's works.

Routine Tests:

The routine tests as per IS / IEC shall be conducted at vendor premises.

7.5. Fittings

The transformer shall be complete with the following fittings: -

- (a) Off Circuit Tap Links
- (b) RTD temperature controller with 3 PT-100 sensors.
- (c) Lifting lugs for all transformers.
- (d) Bi-directional /Unidirectional Rollers to be specified.

- (e) Rating diagram and terminal marking plate for all transformers.
- (f) Earth terminals (1 No) for body earthing for all transformers.
- (g) necessary hardware, clamps, lugs etc. for termination cables.
- (h) Danger plate
- (i) Marshalling Box (Built in type)
- (j) Neutral earth terminal with lug.

7.6. Painting :

All metal parts shall be thoroughly cleaned to remove rust, scale, grease etc. and painted with two coats of approved colour shade over one coat of rust resisting primer. The paint shall not scale-off, crinkle or removed due to normal handling. All metal surfaces not accessible for painting shall be made of corrosion resistance material. Paint shade : RAL – 7032 (Siemens grey).

7.7. Rating Plate Details :

Each transformer shall be provided with a rating plate giving the details as per IS:2026 (Part I). The marking shall be indelible and the rating plate shall be located on the front side. Exact value of transformer %ge Impedance, as determined by tests shall be marked on it and also on the final submission of nameplate.

SPECIFICATIONS OF CAST RESIN DRY TYPE ISOLATION TRANSFORMER

Sl. No.	Description	Unit	Data
1.	Name of Manufacturer		ABB / SIEMENS / KIRLOSKAR / CG/VOLTAMP
2.	Reference Standards		IS 2026/ IEC 60076-11
3.	Rated Power	KVA	500
4.	No Load Volts Ratio	kV	0.480 / 0.440
5.	No. of Phases	Nos.	3
6.	Frequency	Hz.	60
7.	Vector Group		Dyn 11 With Neutral brought out AN
8.	Type of Cooling		
9.	Impulse withstand voltage / Power withstand voltage	Frequency KVp/KVrms	
10.	Impedance Voltage		% 4.5% +/- IS Tolerance
11.	Off Circuit Tap Links		% -5% to +5% in step of 2.5%
12.	No Load Losses at rated Frequency and 100 % r _k KW voltage		
13.	Load Losses at Normal Ratio, Rated at 75°C	CurreKW	
14.	Insulation Class		H
15.	Max. Temp. rise of winding by resistance method c _k C Ambient Temp. of 50°C		115

- | | | |
|-----|-----------------------------|-----------------------|
| 16. | Termination Arrangement | |
| | a) Primary side (Cable box) | |
| | Secondary side | |
| 17. | Enclosure Protection Class | IP – 44 or Higher |
| 18. | Wheels | Plain, Bi-directional |
-

Copper Plate earthing for above Isolation Transformer:

The earth connection shall be made of copper plate size: 600mm x600mm x 3mm and section of the conductor conforming to IS 3043 to safely carry the maximum fault current for a short period without burning the conductor and pass on the fault current is in excess of this, additional earth connections under fault condition and at no time the potential shall exceed 5 volts between the equipment and earth. The earth system shall be mechanically robust and joints shall be capable of retaining low resistance even after many passages of fault current. The G.I. flats of size 50x 6mm shall be interconnected of earth pits.

Interconnections and joints for earth conductors shall be riveted and soldered for retaining low resistance.

Each earth bar should be connected to the main earth through a bolted removable link. All ground connections shall be compounded and braided.

The earth electrodes of 100mm dia Class B shall be driven to a depth of not less than 2.7 meters below the ground level and at least 3 meters away from the building and any other earth electrodes treating the soil surrounding the electrodes with the salt, coke and charcoal in accordance with IS 3043.

Supplying and making of 4 Nos. Copper plate earthing for Isolation Transformer i.e 2 Pits for Neutral and 2 Pits for Body and supply and laying of required length 50x6mm GI Flat for interconnection are under the scope of Contractor without any extra cost..

8.0. INDOOR TYPE L.T.PANEL:

The L.T. panel shall be made of metal enclosed, indoor floor mounted free standing weather proof compartmentalized. The L.T. panel switch board frame load bearing members shall be fabricated using suitable mild steel structural section or pressed and shaped pre-treated CRCA sheet steel enclosure thickness shall be as per the type test certificate of CPRI / IRDA. Suitable size of brick pedestal shall be provided.

3 way L.T. panel shall comprising of the following:

Incomer

800A, 4P, ACB, 50 KA, EDO Type with
microprocessor Protection

: 1No.(Suitable to terminate 4 runs of 3 ½
core 185 Sq.mm UG cable)

Outgoing

630A, 4P, MCCB, 50 KA

: 2 Nos. (Suitable to terminate 4 runs of 3
½ core 185 Sq.mm UG cable)

The ACB variable setting ranges from 50 –100 % and the MCCB shall be

microprocessor based over load release and short circuit protection. All the MCCB shall be as per IS 13947 it shall be of 415V, 4P, 630A - 50 KA the variable setting ranges from 80 – 100 % All the breakers shall have current limiting and isolation features.

The incoming feeder with 800A ACB shall be provided with the following instruments.

- i) 1 no. 0-800A digital flush type Ammeter with class 0.5 accuracy C.T. and selector switch.
- ii) 1 no. 0-600 volts, flush type digital AC Voltmeter with control fuses and selector switch.
- iii) TVM meter with class 0.5 accuracy (Digital type) with Class 0.5 accuracy CT
- iv) RYB indication lamp (LED type)

All the outgoing feeders shall be provided with the following instruments:

1 no. suitable range flush type digital AC Ammeter with CT and selector switch for all outgoing switches.

The bus bars shall be rated to the 1000 Amps and shall be drawn with high conductivity electrolytic tinned copper bus bars of sufficient and uniform cross section so that a current density of 150Amps per sq. cm. is not exceeded at normal current rating. The neutral bus bar shall be rated at 50% of the phase bus bar. The bus bar shall be of pvc sleeved with bar risers clearly marked with an appropriate colour code to enable immediate identification of the phases and neutral. The bar risers and joints shall be supported properly and cadmium coated bolts and nuts shall alone be used. The bus bars shall be supported by suitable non-hygroscopic insulators and separated by insulating barriers and shall effectively withstand electromechanical stresses in the event of short circuit fault. The bus bar chamber shall have detachable front and rear dust tight covers. The switchboard and the bus bars shall be extensible on both sides to allow for additional units to be added at a later date. No looping shall be done. The copper flats for jumper and connections shall be provided suitably.

All hardwares such as Bolts, nuts & washers shall be GI / SS Grade only. Painting to the panel shall be suitable for Coastal application.

Type test certificate of similar type of LT panel of CPRI / ERDA shall be submitted for approval before commencing the fabrication work.

Maintenance free earthing:

Maintenance free earthing shall be carried out in accordance with Indian Electricity Rules and Regulations amended till date and also the Earth electrodes shall be provided in conformity with BIS 3043 / BS 7430 of the latest version expecting the specified values detailed herein.

The earth electrodes shall be of high tensile low carbon steel circular rods, molecularly bonded copper or clad copper on the outer surface 17 mm dia. and not less than 3.0 m length and shall be driven to a depth in the ground below the ground level and 3 meters away from any other earth electrodes or as per latest BIS 3043. The premixed power set carbon based backfill compound shall be poured in the bore with water and re-close the bore. The earth pits are to be interconnected 50x6mm G.I. flat. The ground enhancing back fill material shall be a compound having a low resistivity. All the materials, terminals and works specified herein and shall be the entire responsibility of the firm.

Supply & making of 2Nos. Maintenance free earthing and Supply & laying of required length 50 x 6 mm GI flat for L.T. Panel are under the scope of Contractor without any extra cost.

9.0. SUPPLY AND INSTALLATION OF ISOLATOR SWITCH AT WHARF: 1 No.

2 Nos. of L.T. 400A Isolator switch with HRC Fuse suitable for frequent operation with extended handled shall be of metal enclosed, outdoor floor mounted free standing weather proof compartmentalized. The Isolator switch board frame load bearing members shall be fabricated using suitable SS steel structural section and enclosure shall be of SS 304 Grade.

It shall consist of 400 Amps DMC Fuse base of VEL type (Knife type) 80 KA breaking capacity with one set of 400 Amps HRC fuse in the each Isolator switch.

It shall be fixed in the Isolator pit in the wharf. The enclosure shall be suitable for outdoor application with minimum IP 54 protection. The proposed Isolator suitable for terminating 3 / 4 runs of 3.5 core 185 Sq.mm (Incomer) & 2 runs of 3 core 185 sq.mm (Outgoing). Isolator box has to be rigidly Earthed on safety ground by Supplying and laying of required length 50 x 6 mm GI flat under the scope of contractor without any extra cost. The Isolator box shall be mounted at Wharf Pit by supplying & making required Civil / Structural works as per the Site Condition

10.0 L.T. CABLES SUPPLY AND LAYING:-

10.1 SUPPLY AND LAYING OF 3.5 Core 185 sq.mm L.T. CABLES:

The cable measurements are tentative and may varies according to site condition. Supply of 3.5 core 185 Sq.mm, Aluminium XLPE L.T. underground cable of 1.1KV voltage grade having stranded compacted aluminium conductor with, XLPE insulation, R, Y & B colour for phases extruded PVC inner sheathed, single layer of galvanized steel wire / strip armoured, over all PVC sheathed conforming to IS 7098 Part I 1985 with latest amendments with ISI mark.

Laying of cables inside the substation / building/ trench shall be done after removing the trench covers carefully. In the wharf the existing cable trench shall be extended with cutting / chipping the concrete for laying of 3 / 4 runs of 3 ½ core 185 sq.mm LT cable till the feeder pillar. After laying the cable inside the trench, the trench shall be closed properly with the same cover which was removed already. If any damage during handling of trench cover, it is the responsibility of the contractor to replace the damaged slab as original. Any hole or breaking the wall etc., if required for laying cable it shall be done by the contractor. After completing the cable laying work the hole or breaking in the wall shall be closed as per original with civil materials by the contractor. If any damage during removal of existing trench cover, it has to be replaced by new on safety ground as required at site without any extra cost. One run of 50 x 6 mm GI flat has to be run along with cable up to Isolator Box by supplying the same by the Contractor without any extra cost

Note:

- i) Test certificates from the manufacturers for the cable shall be submitted along with the supply of cable by the contractor.
- ii) Cost for concrete cutting / chipping and any type of excavation at site will not be paid extra. The contractor has to complete the work by carrying out all required works as per the site requirement. This cost will be quoted in the cable laying cost as required.

- iii) The cable laying / termination work to all equipments has to be completed in all respect by supplying all accessories without any extra cost.

11.6 END TERMINATION OF L.T. CABLES:

The end termination for 1100 Volt grade L.T. cables shall be of cable glands, crimping type lugs and other materials and accessories of approved make including labour etc. and shall be supplied by the contractor. The crimping type lugs shall be installed by highly skilled personnel. The complete work of all cables terminations shall be carried out as per standards without any extra cost as required at site.

11.8 SUPPLY OF 3 CORE X185 SQ. MM. L.T. COPPER TRAILING CABLE:-

The cable measurements are tentative and may varies according to site condition. Supply of 3 core X 185 Sq.mm, copper trailing L.T. underground cable of 1.1KV voltage grade having multi stranded compacted copper conductor with elastomeric (Rubber) insulation, R, Y & B colour for phases heat resisting compound up to 180 degree Centigrade it shall braided and varnished. Conforming to IS 9968 (Part I) 1988 with latest amendments with ISI mark.

Note: i) Test certificates from the manufacturers for trailing cables shall be submitted along with the supply of cables and TPI acceptance report before dispatch of the cables.

The end termination for 1100Vgrade trailing cable shall be of crimping type lugs shall be supplied by the contractor. The crimping type lugs shall be installed by highly skilled personnel. This cable laid from Isolator switch at wharf to ships.

Proper end terminations of the cable by supplying all required accessories is under the scope of contractor without any extra cost.

13.0. DRAWING LIST:-

Necessary drawings shall be prepared and submitted to TPI agency / EIC for approval before fabrication of panel and commencement of work

All catalogues, technical drawings, details etc., for all the proposed SFC, Isolation transformer & L.T. panels with operation and maintenance manuals with spares list shall be furnished to the Trust's Engineer by the contractor.

15.0. LETTER PAINTING:-

All incomer cables / all outgoing cables / details shall be painted / sticker at the front and rear sides of the Transformer / LT panel specifying the full details and furnishing the amperage, voltage, size of the cable in the red letters on white back ground. Should be written in L.T. panels by the contractor by own cost.

16.0. TESTS:-

The LT panels / SFC / Isolation transformer / Isolator Switch shall be tested for routine tests as per relevant IS. Type test certificates shall also furnished along with routine test certificates. Manufacturer's test certificates shall be furnished for major components.

17.0. COMPLETION PERIOD:

Entire work shall be completed with in 6 months from the 7th day of issue of order.

18.0 LIST OF APPROVED MAKES FOR ELECTRICAL SPARES

S.No.	ITEM	Name of Manufacturers
1	Volt meter and Ammeter	AE / MECO / YOKINS / NIPPEN
2	Selector switches, Push buttons, Emergency Switches	KAYCEE / L & T / GE / BCH / LEGRAND
3	HRC Fuses	L & T / GE / SIEMENS / ABB / INDO KOPP
4	Indicating light	AE / KAYCEE / VAISHNAV / L & T / SIEMENS
5	MCB	L & T / LEGRAND / SIEMENS / ABB / SCHNEIDER / HAVELLS
6	Sub Distribution Board	L & T / LEGRAND / SIEMENS / SCHNEIDER / HENSEL / HAVELLS
7	EL MCB	L & T / SCHNEIDER / LEGRAND / SIEMENS / ABB / HAVELLS
8	FRLS PVC insulated copper conductor single/multi core stranded wires of 650/1100 volt grade	HAVELLS / FINOLEX / RPG / UNIFLEX / NICCO / RR Kables
9	Steel Conduit/PVC Conduit	BEC / AKG / NIC / AVONPLAST / MODI
10	Switches, TV & Telephone Socket outlets, Boxes	MK / CLIPSAL / LEGRAND / NORTH WEST / ANCHOR/ HAVELLS
11	Light Fixtures	PHILIPS / BAJAJ / WIPRO / CROMPTON/ HAVELLS
12	Lamps and Tubes	PHILIPS / WIPRO / BAJAJ / CROMPTON/ HAVELLS
13	Ceiling fans/Wall bracket fans / Exhaust Fans	HAVELLS / CROMPTON GREAVES / USHA / ORIENT/ ALMONARD
14	Cable lug & Cable Gland	DOWELLS / JHONSON / RAYCHEM
15	Terminal Blocks	WAGO & CONTROLS / PHOENIX CONTACTS / OBO BETTERMANN
16	Multi-function Meter	ABB / SIEMENS / L&T / HPL SOCOMEK/CONZERVE (ENERCON)
17	DWC HDPE Pipe	DURA LINE / CARLON / EMTELLE
18	Contactors	L&T / SCHNEIDER / SIEMENS/ABB / BCH

S.No.	ITEM	Name of Manufacturers
19	MCCB	L&T / SIEMENS / SCHNEIDER / ABB
20	VCB / SF6/ Isolator	SIEMENS / AREVA / ABB / SCHNEIDER
21	Push Buttons	SIEMENS / ABB / TELEMECANIQUE / L&T / SCHNEIDER
22	Relays	L&T / ABB / SIEMENS / SCHNEIDER/AREVA
23	Timers	L&T / SIEMENS / TELEMECANIQUE/ABB
24	Indicating Light	L&T / SIEMENS / TELEMECANIQUE / ABB / GE
25	Indicating Instruments	AE / MECO / CONZERVE / L&T
26	HT Cable	FINOLEX / RPG / UNIFLEX / TORRENT / HAVELLS / UNISTAR /NICCO
27	LT Cable (XLPE and FRLS)	UNISTAR / FINOLEX/ NICCO / HAVELLS / RPG / UNIFLEX
28	Termination Kit	BIRLA 3M / RAYCHEM /DENSON
29	CTs	L&T / AREVA / JYOTI / KAPPA / PRAGATHI
30	PTs	AREVA / KAPPA / PRAGATHI
31	HT Panels	SIEMENS / SCHNEIDER / ABB / AREVA
32	LT Panels	SIEMENS / L&T / SCHNEIDER / ABB
33	Cable Trays (FRP)	LEGRAND / ERCON / NEEDO / SUMMIP
34	ACB	SCHNEIDER / SIEMENS / ABB / L&T
35	Selector Switch	KAYCEE / L&T / SIEMENS / BCH / GE / SALZAR
36	Capacitor Banks	EPCOS / L&T / SCHNEIDER
37	Trivector Meter (Digital)	L&T / SCHNEIDER / SIEMENS / HPL SOCOMEC
38	Capacitor Panels	ABB / L&T / EPCOS / SCHNEIDER
39	Power Factor Correction Relay	EPCOS / L & T / ABB
40	Elastomeric Mat	PREMIER POLYFILM LTD / POLYELECTROSAFE / CHALLENGER
41	MS & GI Conduits Accessories	STEEL MARK / NIC
42	Transformer	ABB / SCHNEIDER / SIEMENS/ KIRLOSKAR /

S.No.	ITEM	Name of Manufacturers
		VOLTAMP
43	Compact SS	ABB / SCHNEIDER / SIEMENS
44	LED Luminouar	PHILIPS/ CROMPTON/ HAVELLS/ BAJAJ
45	Insulation Tape	ANCHOR/ STEEL GRIP
46	Flush type	ANCHOR/ WONDER/ MK/ HAVELLS
47	Button Holder and Pendent Holder.	ANCHOR/ WONDER/ OSWL/ OSWIN/ HAVELLS
48	Electronic choke / HPSV Lamp choke	PHILLIPS/ CROMPTON/ BAJAJ / HAVELLS
49	Fan Capacitor	KELTRON/ POWER/ TIPCON, USHA/ CROMPTON
50	Tube light starter	PHILIPS/ CROMPTON/ BAJAJ/ SURYA
51	Single Phase energy meter LCD[AC single phase 2 wire LCD KWH meter]	L&T/ HPL/ SECURE
52	5 Pin Socket	ANCHOR/ WONDER/ HAVELLS/MK
53	Single phase / three phase Energy meter	L & T / SECURE / HPL / GENUS
54	JET Motors/ Submersible motor	SUGUNA/ CROMPTON/ TEXMO/CRI
55	Static Frequency Converter	ABB / GE / SIEMENS
56	Isolation Transformer	ABB / SIEMENS / KIRLOSKAR / VOLTAMP/CG
57	Trailing cable	UNICAB / ELASTRON/UNISTAR/NICCO

19.0. STATUTORY APPROVALS

The approval from any authority required, as per statutory rules and regulations of Central/State Government shall be the Contractor's responsibility.

Note : For any clarifications, the firm may contact **Dy. CME(ES&CH)** at IInd floor, Old Administrative office, Chennai Port Trust, Telephone No 25312542.

**CHIEF MECHANICAL ENGINEER
CHENNAI PORT TRUST**

Section VI
General Conditions of Contract
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Section VI. General Conditions of Contract

1.0 Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

“Employer” means the Board of Trustees of Port of “Chennai Port Trust” or its representatives or *Chief Mechanical Engineer* or any other person or firm nominated by the Employer or as specified in SCC.

“Contract” means the Contract Agreement entered into between the Employer and the Contractor, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.

“Contractor” means the natural person, private or government entity, or a combination of the above, whose Tender to perform the Contract has been accepted by the Employer and is named as such in the Contract Agreement or his representative who is duly authorized to deal with the Contract.

“Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.

“Contract Price” means the price payable to the Contractor as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.

“Day” means calendar day.

“Completion” means the fulfillment of the supply of Goods and Related Services by the Contractor in accordance with the terms and conditions set forth in the Contract.

“Commercial Use” means, use of Goods, which the contractor contemplates or of which it is commercially capable after enacting at Project site.

“GCC” means the General Conditions of Contract.

“Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Contractor is required to supply to the Employer under the Contract.

“Employer’s Country” is INDIA.

“Tender” means the offer of the Contractor along with all other relevant documents as referred to in the Contract.

“Related Services” means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Contractor under the Contract.

“SCC” means the Special Conditions of Contract.

“Subcontractor” means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Contractor, under intimation to the Employer.

“The Project Site,” where applicable, means the place named in the SCC and in pursuant to ITT clause 14.5 a (iii).

(q) “Engineer” means Employee of Employer or any other person or firm, nominated by the Employer or as specified in **SCC**.

2.0 Contract Documents

2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

3.0 Fraud and Corruption

The Employer as well as Tenderers, Contractor, Sub-Contractors and Consultants observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the Employer : **defines, for the purposes of this provision, the terms set forth below as follows:**

“Corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution; and

“fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

“collusive practice” means a scheme or arrangement between two or more Tenderers, designed to establish Tender prices at artificial, non competitive levels; and;

“coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;

will black list a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded, if it at any time determines that they have, directly or through an agent, engaged, in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing and

- (c) will have the right to require that Contractors to permit the Employer to inspect their accounts and records and other documents relating to the Tender submission and contract performance.

4.0 Interpretation

4.1. If the context so requires it, singular means plural and vice versa.

4.2. Entire Agreement

The Contract constitutes the entire agreement between the Employer and the Contractor and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

4.3. Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.4. Non waiver

Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any

breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such **waiver, and must specify the right and the extent to which it is being waived.**

4.5. Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

4.6 Employer's Lien

The Employer shall have lien on and over all or any money that may become due and payable to the contractor under those present and/or also on and over Performance Guarantee lodged under this contract which may become payable to the contractor under the conditions on that behalf herein contained for or in respect of any money of any set of all or any of these moneys or Performance Guarantee against any debit or sum that may become due and payable to the Employer by the Contractor either alone or jointly with another or other and either under this or under any other contracts or transactions of any nature whatsoever between the Employer and the Contractor.

4.7 Execution

The contractor/contractors shall and will in consideration of the payment to be made to him/them as hereinafter provided construct, execute, and to the works described in the specifications and in the manner and upon the terms set forth in the specification and in the manner and in accordance with the drawings at the respective rates entered in the Price Schedule in accordance with such other drawings and instructions as may pursuant to the provisions hereinafter contained from time to time be pointed out, furnished and given to him/them by the Employer and/or the Engineer and under the subject to the terms, stipulations and provisions of Contract.

5.0 Language

- 5.1. The Contract as well as all correspondence and documents relating to the Contract exchanged by the Contractor and the Employer, shall be written in "ENGLISH". Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- 5.2 The Contractor shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Contractor.

6.0 Joint Venture, Consortium or Association

Not Applicable.

7.0 Eligibility

- 7.1 A Contractor or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.

8.0 Notices

- 8.1. Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the **SCC**. The term "in writing" means communicated in written form with proof of receipt.
- 8.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

9.0 Governing Law

- 9.1. The Contract shall be governed by and interpreted in accordance with the laws of India, unless otherwise specified in the **SCC**.

9.2. Dock Safety

For the work carried out within dock area in the vicinity of any wharf or quay, the contractors shall abide by all the provisions of the Dock Workers (Safety, Health & Welfare) Regulation 1990.

9.3 Labour/ Minimum wages

a) The contractor or his sub-contractors shall not employ a young child who has not completed his fifteenth year of age. He/They shall also not employ an adolescent who has not completed his eighteenth year unless he is certified fit for the work as an adult as prescribed under Clause (b) of sub-section (2) of section 69 of the Factories Act, 1948.

b) The contractor or his sub-contractors shall also see that all the provisions set forth under the Minimum Wages Act as amended from time to time are fully complied with by him/them and shall maintain necessary registers and records for payment of wages, overtime, etc. made to his/their workmen as required by the Conciliation Officer (Central), Ministry of Labour, Government of India or such authorised persons appointed by Central or State Government.

c) The contractor/contractors shall also see that the provisions regarding employment of young persons covered by the Employment of Children Act, 1938 and the Factories Act, 1948 as amended from time to time shall be fully complied with.

d) Notwithstanding anything herein contained the contractor shall comply with all the provisions of the contract labour (Regulation and Abolition) Act, 1970 and Rules and Regulations made there under as amended from time to time if applicable.

e) The rates quoted by the contractors in the Price Schedule shall be deemed to include expenses whatsoever that the contractor may be required to incur for compliance with the provisions of the above Acts.

f) In pursuance of Section 21 of the above Act and Rule 25(2)(V)(A) framed thereof, the Tenderers should note that in cases where the workmen employed by them to perform the same and similar kind of work as the workmen directly employed by the Employer, the wage rate of all category of workmen shall be in accordance with the statement of the Employer's Schedule of Rates revised from time to time. The wage rates in respect of categories of workmen which are not included in the Employer's Schedule shall not be less than those specified in the Schedule of "Fair Wages". The current statement of the Employer's Schedule of Rates is annexed hereto.

g) The contractor shall make his own arrangements for the engagement of all labour, preferably local.

h) The Contractor shall also comply fully with the provisions of the payment of Wages Act, 1936.

i) If any enhancement in the rates of Wages become payable as a result of the implementation of the Chief Labour Commissioner's interpretation of the Contract Labour (Regulations and Abolitions) Central Rules, 1971 including an increase of the Wages, the same shall be borne by the contractor/contractors. The contractor shall be responsible for the observance by his sub-contractors, of the foregoing provisions/precautions.

j) The contractor shall make necessary arrangements for the representative of the Employer and/or his representative to witness the payment made by the Contractor to his labourers. The contractor shall also submit periodical returns of labour employed by him and wages paid, to the Employer's representatives.

k) The contractor shall make necessary arrangements as per Provident Fund Regulations Act, Employees Provident Fund Act, 1961 and scheme made under the said Act, Health and Sanitary arrangements for workers etc.

9.4 Fair wages :

a) The contractor shall pay the labourer engaged by him on the work not less than fair wages which expression shall mean whether for time or piece work the respective rates of wages as fixed by the Central Public Works Department as Fair Wages payable to the different categories of labourers. However, subject to the other provisions of any other law for the time being in force in the country, the minimum rates of wages for any person/persons below 18 years of age and for disabled persons be 70% respectively of the rates payable to adult workers of the appropriate category.

b) The Contractor shall notwithstanding the provision of any contract to the contrary cause to be paid in fair wages to the labourers directly engaged on the works including any labour engaged by the sub-contractors in connection with the said work, as if the labourer had been immediately employed by him.

c) Display of notices regarding wages, etc.,

The Contractor shall, before he commences his work of contract, display and correctly maintain and continue to display and correctly maintain in a clean and legible condition at conspicuous places on the work site notices in English and in the local Indian language spoken by the majority of the workers stating therein the rates of wages which have been fixed as fair wages and the hours of work for which such wages are earned and send a copy of such notices to the Employer.

d) Wages book and wage slips

The contractor shall maintain:

X) A wage book of each worker in such forms as may be convenient but the same shall include the following particulars:-

- i) Rate of daily or monthly wages.
- ii) Nature of work on which employed.
- iii) Total No. of days worked during each wage period.
- iv) Total amount payable for the work during each wage period.
- v) All deductions made from the wages with an indication in each case of the ground for which the deductions are made.
- vi) Wages actually paid for each wage period.

Y) A Wage slip for each worker employed on work provided that the Employer may grant exemption from the maintenance of the wage slips, if in his opinion not more than 19 persons are likely to be employed directly or indirectly on the work but in any case he will have to maintain wage books as specified in Clause.

e) Preservation of books and slips

The wage books and the wage slips shall be preserved for a period of not less than 12 months after the date of last entry made in it.

f) Inspection of books and slips

The contractor shall allow inspection of the aforesaid wage books and wage slips to any of his workers or to an agent at a convenient time and place after due notice is received to the Employer or any other person authorised by him on his behalf.

(g) Powers of the Employer to make Investigation/enquiries

The Employer or any other person authorised by him on his behalf shall have power to make enquiries with a view to ascertaining the enforcement due and proper observance of the "Fair Wages Clause". He shall also have the power to investigate into any complaint regarding any default made by the contractor or sub-contractor in regard to such provision.

The Employer shall have the right to deduct from the money due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-payment of the aforesaid fair wages, except on account of any deductions that may be permissible under any law for the time being in force.

(h) Representation of parties

- a) A worker shall be entitled to be represented in any investigation or enquiry under this clause by :
 - i) An Officer of registered Trade Unions of which he is a member. Any Officer of Federation of Trade Union to the Trade Union referred to in the previous sub-clause is affiliated. Where the worker is not a member of any registered Trade Union, or of any approved Trade Union by an Officer of a registered Trade Union connected with industry in which the worker is employed.

- b) An employer shall be entitled to be represented in any investigation or enquiry under these regulations by an officer of an Association of Employers' of which he is a member.
- c) No party shall be entitled to be represented by a legal practitioner in any investigation or enquiry under these regulations.

9.5 Work men compensation

The contractor shall indemnify the Employer in the event of the Trustees being held liable to pay compensations for injury to any of the contractor's servants or workmen under the Indian Workmen's Compensation Act, 1923 as amended from time to time and shall take out an Insurance Policy covering all risks under the Act and shall keep the same renewed from time to time as necessary for the duration of the contract and produce the same to the Employer On Demand whenever so required.

9.6 ESI Clause

The details of employees proposed to be engaged shall be furnished to this office before the commencement of the work.

(a) As per the Govt. Notification dated 20.07.2009, Chennai Port Trust has registered under the ESI Act on 26.09.2012 with ESI Corporation and provision of ESI Act, 1948 are applicable to Chennai Port Trust, a Social Security Act, is applicable to Factories using power and employing 10 or more personnel and establishment employing 20 or more persons and drawing wages/salary upto Rs.15,000/- per month. Workers covered under ESI Act, are entitled for full medical care for self and family. Besides, cash benefit in the event of sickness, maternity and employment injury. Accordingly, the contractual/casual employees drawing wages upto Rs.15,000/- per month employed either directly by Port Trust or through contractor are covered under ESI Act, 1948. It is obligatory on the part of the employer to calculate and remit ESI contribution comprising of employers' share of 4.75% plus employees' share of 1.75% which is payable on or before 21st of the following month, to which the salary relates.

(b) In case of Contractor employs more than 20 employees, they should register their name with ESI as per ESI Act, 1948 and obtain ESI Code. Both Employers share of 4.75% and Employees contribution of 1.75% (recovered from employees), totally 6.5% to be paid as contribution to ESI in their Code on or before 21st of following month to which the salary relates and acknowledgement for the same shall be submitted to the Port while claiming the bill. The bill without the acknowledgment of ESI contribution will not be entertained. In case the contractor has not paid the ESI contribution same will be recovered in the running bill and paid to the ESI Corporation in contractor's code. The delay in payment of contribution payable under the Act may be recovered as an arrear of Land Revenue.

(c) In case the contractor employs less than 20 employees, the list of employees' names, their father's name, identification proof, one passport photo shall be submitted to the Port Trust. The contribution of ESI amount, both Employers share of 4.75% and Employees contribution of 1.75% (recovered from Employees salary), totally 6.5% shall be paid by the Contractor in the Chennai Port Trust Code on or before 21st of the following month to which the salary relates or otherwise payment to the contractor will be withheld. If the contractor fails to comply with the above instruction, then the Principal Employer (Chennai Port Trust) will make payment to the ESI Corporation.

Such amount will be deducted from any amount due to the contractor. The delay in payment of contribution payable under the Act may be recovered as an arrear of Land Revenue.

- (d) As per the above government Notification i) All intending Contractor at the time of Contract shall disclose all necessary documents as to whether they are covered under ESI Act or not.
- ii) In case they are covered under ESI Act, they have to furnish the details of registration.
- iii) In case the Contractor does not possess ESI Registration at the time of participation in the Contract, then they should obtain registration under ESI Regulations before award of the work by Chennai Port Trust and submit the same within 30 days from the date of issue of work order. Any payment towards the work order will be made only after the ESI registration.
- iv) The Contractor shall submit his first bill together with evidence of having obtained registration under ESI regulations and only then the bill will be processed for payment. Subsequently, the Contractor should periodically submit to Chennai Port the Form 6 prescribed under ESI Regulations along with the proof for having remitted his dues under ESI Regulations in respect of the workers / labours employed for the work awarded by Chennai Port to facilitate making payment for the bills of the Contractor.
- v) In case, the Contractor is not covered under ESI Act or exempted, they would furnish necessary documents along with an affidavit in original affirming before a first class Judicial Magistrate in a Non Judicial Stamp Paper worth Rs.20.00 to that effect.
- vi) In case they are not covered under ESI Act, they must additionally indemnify ChPT against all damages & accident occurring to his labour in a Non – Judicial Stamp paper worth Rs.100/-.

Insurance

The Contractor advised to take necessary insurance at his cost for his employees, materials and machineries etc.

10.0 Settlement of Disputes

- 10.1. The Employer and the Contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2. If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure specified in the **SCC**.
- 10.3. Notwithstanding any reference to arbitration herein,
- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) the Employer shall pay the Contractor any amount due the Contractor.

11.0 Scope of Supply

11.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.

12.0 Delivery and Documents

12.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Contractor are specified in the **SCC** to the Address specified in accordance with GCC clause 8.1. The Goods and related services shall be delivered to the Project site in accordance with ITT clause 14.5.

13.0 Contractor's Responsibilities

13.1. The Contractor shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 11, and the Delivery and Completion Schedule, as per GCC Clause 12.

13.2 Phasing of work :

The contractor will be required to furnish a phased programme of the works as to how he intends to complete the work to the Employer immediately on receipt of the work order and to proceed with the preliminary preparations. The contractor shall indicate separate definite times for completion of various parts of the work. He will be required to adhere to such programme so as to complete the entire work within the stipulated completion period. Within fifteen days from the receipt of acceptance of offer letter, the successful Tenderer/ contractor shall submit a detailed computerised squared network chart (PERT/CPM Chart) with month wise milestones indicating clearly the physical and financial progress of the work free of cost to the Employer. The Employer will monitor the progress of work in accordance with the chart so submitted. Should there be any sort of delay attributed to any reason whether on part of this Employer or on the Contractor; the contractor shall make available a revised squared Network Chart PERT/CPM with original actual scheduled dates and fresh revised dates separately for each milestone as and when requested by the Employer free of cost. This arrangement will continue till the deliveries, erection and commissioning are enacted and the contract work completed. The PERT/CPM chart should be computerised and easily reproducible/modified. The soft copy of the PERT/CPM network should also be made available to the Employer free of cost along with the prints of the chart.

14.0 Contract Price

Prices charged by the Contractor for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Contractor in its Tender, with the exception of any price adjustments authorized in the **SCC**.

Normally no variable rates in the Price Schedule will be entertained. However, if any Tenderer insists on such provision whereby variations in costs of controlled materials only over or under certain basic rates are intended to be on Employer's account, all such basic rates should be submitted with the tender. A suitable clause will then be inserted in the Formal Agreement mentioned in ITT Clause 43 whereby the successful

Tenderer shall be required to obtain prior written approval of the Engineer for any expenditure against which the Employer may become liable for extra payment, shall be required to submit to the Engineer such periodical statements and documentary evidence as may be directed by him from time to time. The books of the successful Tenderer shall be open for inspection by a responsible officer of the Employer. Variation in the rates of other materials and labour will not be entertained.

15.0 Terms of Payment

- 15.1. The Contract Price, (including any Advance Payments, if applicable,) shall be paid as specified in the **SCC**.
- 15.2. The Contractor's request for payment shall be made to the Employer in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 12 and upon fulfilment of all other obligations stipulated in the Contract.
- 15.3. Payments shall be made promptly by the Employer, but in no case later than Twenty Eight (28) days after submission of an invoice and other relevant Documents/ certificates and on request for payment by the Contractor and after the Employer has accepted it.
- 15.4. The currencies in which payments shall be made to the Contractor under this Contract shall be those in which the Tender price is expressed.
- 15.5. The Contractor shall note that no interest be payable by the Employer on Retention Money or for any Delayed Payments unless otherwise stipulated in **SCC**.
- 15.6. According to the provisions of the Income Tax Act, as amended by Section 28 of the Finance Bill, 1972, an amount equal to 2% of the sum payable and surcharge of 10% thereon or any rate as applicable as per Tax laws as on the date of payment, under the contract will be deducted from each bill as Income Tax on income comprised therein or at the time of payment thereof in cash or by issue of cheque or demand draft or by any other mode, whichever is earlier. For purpose of this deduction gross amount of the bill after deduction only of the amount of rebate for prompt payment, if any, will be taken into account. The amount on which the tax is to be deducted will be rounded off to the nearest multiple of ten rupees and any paise included in the amount will be ignored and if the last figure in the amount is less than five rupees it will be reduced to next lower amount which will be multiple of ten, but if the last figure in the amount is five rupees or more, the amount will be a multiple of ten. The Amount of tax will be rounded off to the nearest rupee, and fifty paise will be ignored. Any stipulation by the Tenderers that Income Tax so deductible from the bills should be borne by the Employer will result in the summary rejection of his tender.
- 15.7 No payment of any bills or any advances will be made till the stamped acceptance letter /the contract agreement is executed and the PERT/CPM chart indicating various activities, events, month wise milestones, scheduled contractual completion periods for each activity is furnished.

16.0 TAXES:

The firm shall furnish the tax invoice as per GST Act/Rules in the name of Chennai Port Trust by mentioning the GSTIN of CHPT and indicating amounts of GST separately. The GSTIN of Chennai Port Trust is 33AAALC0025BIZ9.

The firm shall remit the GST amount in the invoice to the Government within the due dates and also file the returns by mentioning the GSTIN of CHPT to enable CHPT to avail applicable input tax credit.

Chennai Port Trust shall reimburse the GST component mentioned in the Invoice to the Contractor / Supplier / Vendor only to the extent and on reflection of the same under the GSTIN of CHPT in the GST web portal.

Applicable statutory recoveries including TDS under Income Tax, TDS under GST, etc., will be deducted / recovered while accounting for or making payments to the Contractor / Supplier / Vendor as per the applicable laws.

Financial Evaluation:

The Financial evaluation of the Tender will be based on the Base price of supply of goods or services or both excluding the applicable GST.

17.0. Performance Guarantee

- 17.1. As specified in the **SCC**, the Contractor shall, within twenty-one (21) days of the notification of contract award, provide a performance guarantee for the performance of the Contract in the amount specified in the **SCC**.
- 17.2. The proceeds of the Performance Guarantee shall be payable to the Employer as compensation for any loss resulting from the Contractor's failure to complete its obligations under the Contract.
- 17.3. As specified in the **SCC**, the Performance Guarantee, if required, shall be denominated in the currency(ies) of the Contract, or in a freely convertible currency acceptable to the Employer; and shall be in one of the format stipulated by the Employer in the **SCC**, or in another format acceptable to the Employer.
- 17.4. The Performance Security shall be discharged by the Employer and returned to the Contractor not later than Fourteen (14) days following the date of Completion of the Contractor's performance obligations under the Contract, during the Contract period, unless specified otherwise in the **SCC**.

18.0 Copyright

- 18.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Employer by the Contractor herein shall remain vested in the Contractor, or, if they are furnished to the Employer directly or through the Contractor by any third party, including Contractor's of materials, the copyright in such materials shall remain vested in such third party.

19.0 Confidential Information

- 19.1. The Employer and the Contractor shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Contractor may furnish to its Subcontractor such documents, data, and other information it receives from the Employer to the extent required for the Subcontractor to perform its work under the Contract, in which event the Contractor shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Contractor under GCC Clause 19.
- 19.2. The Employer shall not use such documents, data, and other information received from the Contractor for any purposes unrelated to the contract. Similarly, the Contractor

shall not use such documents, data, and other information received from the Employer for any purpose other than the performance of the Contract.

19.3. The obligation of a party under GCC Sub-Clauses 19.1 and 19.2 above, however, shall not apply to information that:

now or hereafter enters the public domain through no fault of that party;
can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

19.4. The above provisions of GCC Clause 19 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

19.5 The provisions of GCC Clause 19 shall survive completion or termination, for whatever reason, of the Contract.

22.0 Specifications and Standards

21.1. Technical Specifications and Drawings:

The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section V, Schedule of Requirements and when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.

The Contractor shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Employer, by giving a notice of such disclaimer to the Employer.

(c)Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Employer and shall be treated in accordance with GCC Clause 33.

21.2 In case the contractor fail to Supply the said materials as herein provided or in case he/they shall fail to replace any parts of any materials that may be rejected as herein provided with other of approved quantity within two weeks from the date of such rejection, the Engineer shall be at liberty forthwith to procure and obtain the same in the open market and the cost thereof and all expenses thereby incurred shall be charged to the contractor or the Engineer may fix such other subsequent date or dates as he may think fit by which the delivery of the said material shall be completed. If the rejected materials be not forthwith removed, the Engineer shall be at liberty to charge ground rent for such time as the material shall lie on the site to lift the materials and keep a watchman at night or remove the materials to less inconvenient

site (charging rent for new site) and all expenses thereby incurred in connection with the rejected materials shall be charged to the contractors.

21.3 If during the progress of the work, the Employer and/or the Engineer shall decide and notify in writing to the contractor that contractor has executed any unsound or imperfect work, or has supplied anything inferior in quality to that specified, the deficiencies shall at his own expenses, within seven days of his receiving the notice or otherwise within such time as may be reasonably necessary for making it good, proceed to alter, reconstruct or remove such work, or Supply fresh materials upto the standard of the specifications

21.4 The specifications and drawings are to be considered as explanatory to each other and should anything appear in the one that is not described in the other no advantage shall be taken of any such omission. Should any discrepancies or inconsistencies however appear or should any misunderstanding arise as to the meaning and import of these specifications or drawings or as to the dimensions or the quality of the materials or due to proper execution of the works as to the measurements or quality and valuation of the works executed under this contract or as extras thereupon the same shall be explained by the Employer and/or his representatives whose explanation shall be final and binding upon the contractor/contractors who shall execute the work according to such explanation and also to liaise with the inspecting agency at the manufacturing site and point of delivery site and without extra charge or deduction to or from the price specified in Price schedule and shall also do all such works and things as may be necessary for the proper completion of works as implied by the specifications and drawings even though such works and things are not specifically shown and described therein. The Tenderers should visit the site and make themselves thoroughly acquainted with the nature and requirement of work before finalizing the designs and detailed Engineering.

23.0 Packing and Documents

22.1 The Contractor shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

22.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the **SCC**, and in any other instructions ordered by the Employer.

22.3 All works required by the Employer and/or the Engineer to be packed or protected for transportation to India, shall be securely placed and protected by the contractor. Packing cases shall be of a size convenient for shipment and cases containing easily damageable articles shall be bind as specified. The contractor will be held responsible for the inefficiency of the packing and protection.

(a) The cases, crates and packages shall be permanently branded, not painted with the shipping marks. The marking shall be carried out with a view to the mark remaining

unobliterated when the consignment reaches destination but as a further precaution, a reproduction, of the shipping marks shall be placed inside each case, crate and packages.

- (b) Packages or bundles, which cannot be permanently branded, shall have metal label, with the above particulars stamped or attached to them by strong wire.

23.0 Insurance

- 23.1. Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be insured fully against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance in the manner specified in the **SCC**.
- 23.2 The contractor shall insure with the General Insurance Corporation of India or any other insurance company approved by IRDA or its branches in appropriate foreign currency, if any, subject to the conditions that the premium will be payable to the corporation in Rupees such materials, tools, plants and things ordered from the works till they are delivered at site and then those for the works may for the time being on site and shall keep them insured in his own name and that of the Employer against destruction or damage by accident, fire, flood and tempests for the full value of such materials, plants and things until the same to be taken over by the Employer under GCC Clause 25 and he shall from time to time, when so, required by the Employer produce the policy and receipt for the premium. All money received under any such policies shall be applied in or towards the reconstruction or preparation of the materials, plant and things destroyed or damaged, but this provision shall not affect the contractor's liabilities under contract.

24.0 Transportation

- 24.1 Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified in the SCC.

25.0 Inspection Tests, Taking over and Commissioning

- 25.1 The Trust will engage a Third Party Agency at its own expense to carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **SCC**.
- 25.2 The inspections and tests may be conducted on the premises of the Contractor or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in India as specified in the **SCC**. Subject to GCC Sub-Clause 25.3, if conducted on the premises of the Contractor or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Employer.
- 25.3 The Employer or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 25.2, provided that the Employer bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses or otherwise specified in **SCC**.
- 25.4 Whenever the Contractor is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Employer. The Contractor shall obtain from any relevant third party or manufacturer any necessary

permission or consent to enable the Employer or its designated representative to attend the test and/or inspection.

- 25.5 The Employer may require the Contractor to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Contractor's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impede the progress of manufacturing and/or the Contractor's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected unless otherwise specified in **SCC**.
- 25.6 The Contractor shall provide the Employer with a report of the results of any such test and/or inspection.
- 25.7 The Employer may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Contractor shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Employer, and shall repeat the test and/or inspection, at no cost to the Employer, upon giving a notice pursuant to GCC Sub-Clause 25.4.
- 25.8 The Contractor agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Employer or its representative, nor the issue of any report pursuant to GCC Sub-Clause 25.6, shall release the Contractor from any warranties or other obligations under the Contract.
- 25.9 The contractor/contractors shall furnish at his/their own cost electrical instruments, tools, measuring tapes and other implements and labour required for the proper setting out of the work and shall set out and be entirely responsible for such setting out. He/They may have obtained the lines and lay outs from the Employer or his representatives and shall at once alter or amend any mistake or deficiencies in such setting out being ordered to do so by the Employer and/or his representatives. The contractor/contractors shall provide all men, materials, appliances and things which the Employer or his representatives may require for measuring or inspecting the work
- 25.10 The supply, delivery and installation of the items at site shall be deemed to have been accepted by the Employer when the same shall have been stored and erected on site and the Employer shall have certified in writing that it has fulfilled the contract conditions and such certificates shall not be unreasonably withheld, or shall the Employer delay the issuing of such certificates on account of minor omissions, or defects, which do not affect the commercial use, without any serious risk, of the supplies, provided always that the contractor undertake to make good such omissions and defects at the earliest possible moment
- 25.11 In the event of the equipment/plant put into commercial use before the actual completion of works as per the contract, the contractor shall be eligible for Substantial Completion. However, a pre-defined period (say 2 months) shall be granted to the contractor to complete the balance minor works as per the list of pending works as on the date of substantial completion. If the contractor completes all the works within the predefined period, the date of taking over shall be the date of substantial completion. Otherwise, date of taking over shall be date of completion of all works.
- 25.12 All materials, plant and other things, the Supply of which form the part of the contract work shall on delivery at Project Site become the property of the Employer. All the contractor's materials, brought to and delivered at site for use of the contract works, shall from time of their being so brought, vest in and be the property of Employer and shall be used solely for the purpose of the works and shall not on any account be removed or taken away by the contractor or any other person without the express permission in writing of the Engineer but the contractor shall nevertheless be solely

liable or responsible for the loss or destruction thereof or damage which may be caused thereto during the continuance of this contract. Upon the completion of the contract the property, if any, surplus of such materials, shall revert to the contractors or unless they shall be due owing to or accruing or to accrue to the Employer from the contractors any money under, or in respect of or by reason of the contract in which case the Employer shall be at liberty to sell and dispose of such surplus materials as they shall think fit and to apply the proceeds in or towards the satisfaction of such money or moneys so due owing to or accruing or to accrue to them as aforesaid.

- 25.13 The Goods, whether Installed or not, shall immediately, in consideration of Payment of the First Installment of the Contract Price to the Contractor by the Employer; provided always that the Contractor shall have a particular possessory lien on the Goods, to the extent the value thereof exceeds the total value of the Installment Payments made by the Employer to the Contractor
- 25.14 Notwithstanding the above provision, the contractor shall be responsible for all damages to and loss of all aforesaid items furnished by the Contractor and any item furnished to the Contractor by the Employer to enable the Contractor to complete the Installation and for all temporary structures facilities and for all parts of the installation completed or in progress until the certificate of final taking over has been issued in accordance with GCC clause 25.10 and 25.11
- 25.15 If the contractor neglects to make the tests on completion within the time stipulated by the contractor, the Employer shall nevertheless have the right of using the installations at the contractor's risk until the 'test on completion' is successfully carried out.
- 25.16 All the contract works until taken over by the Employer in accordance with GCC Clause No. 25.10 and 25.11 shall stand at the risk of the contractor who shall be responsible for and make good at his own cost all loss or damage caused by or due to fire, weather or any other cause whatsoever and the contractor shall hand over the contract work complete in every respect at the termination of the Agreement.
- 25.17 Until the work shall be or be deemed to be taken over as provided in respective Clause, Employer in respect of all injury to any person or damage to any property of the Employer or of other occasioned by the negligence or default of the contractor or his employees, or sub-contractors or of the Employer' employees, if any, working under the contractor's supervision by defective design or work by the non-compliance by the contractor with the terms of this contract.
- 25.18 The contractor shall indemnify and save harmless the Employer against all actions, suits, demands, claims, costs or expenses arising in connection with injuries suffered by persons employed by the contractor or his sub-contractors on the work including the Employer' employees, if any, working under the contractor's supervision. The contractor shall during the progress of the contract work insure himself and Employer and keep himself and them insured with the Life Insurance Corporation of India or any other insurance company under IRDA or their branches against all liabilities in respect of such injuries to persons employed as aforesaid and shall at all times when required by the Employer produce the policy for such insurance and the receipts for the last premium payable in respect thereof provided that his obligation to insure shall not apply if the Employer has made other proper and adequate provisions to meet all such liability.
- 25.19 In the event of any claim being made or action brought against the Employer including the contractor and arising out of the matters referred to and in respect of which the contractor is liable under this clause, the contractor shall be promptly notified thereof and he shall with the assistance if he so requires of the 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. In such case the Employer shall at the expense of the contractor afford all available assistance for any such purpose.

25.20 All the works shall be carried out under direction and to the satisfaction of the Employer and / or his representative but the contractor shall be responsible for the correctness of the work according to the drawing, excepting such works as have been carried out by the Engineer and/ or his representative.

26.0 Liquidated Damages/Late Delivery Charges

26.1 Except as provided under GCC Clause 31 and 33, if the Contractor fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Employer may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those **SCC**. Once the maximum is reached, the Employer may terminate the Contract pursuant to GCC Clause 35. Contract price shall be inclusive of price plus all taxes and duties payable for computing Liquidated Damages.

26.2 Penalty

Employer may deduct a sum as specified in SCC as Penalty during the Comprehensive Annual Maintenance and Service Contract.

27.0. Warranty

27.1 The Contractor warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

27.2 Subject to GCC Sub-Clause 21.1(b), the Contractor further warrants that the Goods shall be free from defects arising from any act or omission of the Contractor or arising from design, materials, and workmanship, under normal use in the conditions prevailing in INDIA.

27.3 Unless otherwise specified in the **SCC**, the warranty shall remain valid for **Twenty four (24) months** after the Goods or any portion thereof as the case may be, have been taken over at the Project Site.

27.4 The Employer shall give notice to the Contractor stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Employer shall afford all reasonable opportunity for the Contractor to inspect such defects.

27.5 Upon receipt of such notice, the Contractor shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Employer.

27.6 If having been notified, the Contractor fails to remedy the defect within the period specified in the **SCC**, the Employer may proceed to take within a reasonable period such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which the Employer may have against the Contractor under the Contract.

27.7 The guarantee period will be effective for a period of **Twenty four (24) months** and it will be in force from the date of final acceptance of the items of work completed under the contract by the Employer and the contractor shall be responsible for any defects that may develop under proper use arising from faulty materials, designs, workmanship in the work but not otherwise and shall at his own cost remedy such defects when called upon to do so by the Engineer who shall state in writing in what respect any portion is faulty.

If it becomes necessary for the contractor to replace or renew any defective portions of the Supply of the items under this clause, the provisions of this clause shall apply to the

portions of the Supply so replaced or renewed until the expiry of six months from the date of such replacement or renewal or until the above mentioned period of 12 months, whichever may be later. If any defects are not remedied within a reasonable time, the Employer may proceed to do the work at the Contractors' risk and expenses but without prejudice to any other rights which the Employer may have against the contractor in respect of such defects.

If the replacement or renewals are of such a character as may affect the efficiency of the items Supplied, the Employer and/or the Engineer shall have the right to give to the contractor within one month of such replacement or renewal notice in writing the 'Test on Completion' be made in which case test shall be carried out as provided in accordance with GCC Clause 25.15 thereof. Should such guarantee not be sustained the cost of the test shall be borne by the contractor.

All inspection, adjustments, replacement or renewal carried out by the contractor during the period referred to in this clause shall be subject to the conditions of this contract which shall be binding on the contractor in all respects during the guarantee and the additional warrantee period.

28.0 Comprehensive Annual Maintenance Contract : Not applicable

29.0 Patent Indemnity

29.1 The Contractor shall, subject to the Employer's compliance with GCC Sub-Clause 28.2, indemnify and hold harmless the Employer and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Employer may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

(a) the installation of the Goods by the Contractor or the use of the Goods in the country where the Site is located; and

(b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Contractor, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Employer arising out of the matters referred to in GCC Sub-Clause 28.1, the Employer shall promptly give the Contractor a notice thereof, and the Contractor may at its own expense and in the Employer's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Contractor fails to notify the Employer within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Employer shall be free to conduct the same on its own behalf.

29.4 The Employer shall, at the Contractor's request, afford all available assistance to the Contractor in conducting such proceedings or claim, and shall be reimbursed by the Contractor for all reasonable expenses incurred in so doing.

30.0 Limitation of Liability

30.1 Except in cases of criminal negligence or willful misconduct,

(a) the Contractor shall not be liable to the Employer, whether in contract, transport or otherwise, for any indirect or consequential loss or damage, loss of use, loss of

production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Contractor to pay liquidated damages to the Employer and

- (b) the aggregate liability of the Contractor to the Employer, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Contractor to indemnify the Employer with respect to patent infringement.

31.0 Change in Laws and Regulations

31.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Tender submission in accordance with ITT clause 24, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of India where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 14.

32.0 Force Majeure

32.1 The Contractor shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Contractor that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Contractor. Such events may include, but not be limited to, acts of the Employer in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

32.3 If a Force Majeure situation arises, the Contractor shall promptly notify the Employer in writing of such condition and the cause thereof. Unless otherwise directed by the Employer in writing, the Contractor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

33.0 Change Orders and Contract Amendments

33.1 The Employer may at any time order the Contractor through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Employer;
- (b) the method of shipment or packing;
- (c) the place of delivery; and
- (d) the Related Services to be provided by the Contractor

33.2 The quantities indicated in the Price Schedule are estimated only and are liable to be altered or omitted to the extent in accordance with ITT clause 37.1 and GCC 33.1. The work shall be measured upto the end of each mile stone by the Employer along with the contractor/contractors or any other person or persons appointed on his/their behalf

(TPI), such person/persons not being in the service of the Employer. Should the contractor/contractors or any appointed agent on his/their behalf fails/fail to attend on the day or days, fixed by the Employer (of which three days' notice shall be given) for taking measurement the same shall always be confirmed to actual work and for that alone shall the contractor/contractors be allowed to claim. The several works shall be measured by a standard measure without reference to any local custom that may obtain excepting the contrary may be directed in the specifications.

34.0 Extension of Time

- 34.1 If at any time during performance of the Contract, the Contractor or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 12, the Contractor shall promptly notify the Employer in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Contractor's notice, the Employer shall evaluate the situation and may at its discretion extend the Contractor's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Contractor in the performance of its Delivery and Completion obligations shall render the Contractor liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35.0 Termination

35.1 Termination for Default

- (a) The Employer, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Contractor, may terminate the Contract in whole or in part:
- (i) if the Contractor fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Employer pursuant to GCC Clause 33;
 - (ii) if the Contractor fails to perform any other obligation under the Contract; or
 - (iii) if the Contractor, in the judgment of the Employer has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract.
- (b) In the event the Employer terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Employer may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Contractor shall be liable to the Employer for any additional costs for such similar Goods or Related Services. However, the Contractor shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency.

- (a) The Employer may at any time terminate the Contract by giving notice to the Contractor if the Contractor becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Contractor, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Employer

35.3 Termination for Convenience.

- (a) The Employer, by notice sent to the Contractor, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Employer's convenience, the extent to which

- performance of the Contractor under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Contractor's receipt of notice of termination shall be accepted by the Employer at the Contract terms and prices. For the remaining Goods, the Employer may elect:
- (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Contractor an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Contractor.

35.4 **Liquidation and Re-Entry :**

In the event of the contractor/contractors going into liquidation or passing an effective resolution for winding up or upon the contractor/contractors making an arrangement with or assigning in favour of his/their creditors or upon his/their assigning this contract or upon execution being levied on the contractor/contractors goods or upon the EMPLOYER certifying under his hand and in his opinion the contractor/contractors has/have

- i) Abandoned the contract or
- ii) Suspended the progress of the work for seven days after receiving from the Employer's written notice to proceed without any lawful excuse under conditions, or
- iii) Failed to make proper progress with the work for seven days after receiving from the Employer's written notice to employ more men, or
- iv) Failed to remove materials from site or pull down the rebuilt work for seven days after receiving from the Employer's written notice that the said materials or works are condemned and rejected by the Employer under GCC Clause 35, of these conditions, or
- v) Failed to give the Employer proper facilities for inspecting the works or any part of them for three days after receiving from the Employer, written notice demanding the same, or Failed to submit any work or materials to proper test for three days after receiving written notice from the Employer requiring the same, or
- vi) Failed to complete all or any part of the work by the time or extended time for completion, or
- vii) Failed to complete all or any part of the work by the time or extended time for completion.

Then the Employer may enter upon the site and works and expel the contractor/contractors there from and may themselves use the material and plant upon the premises for the completion of the work and employ any other contractor/contractors to complete or may themselves complete the work, upon such entry the contract shall be determined save the rights and power conferred upon the Employer hereby. The Employer's certificate under

this clause shall be conclusive proof as between the contractor/contractors and Employer of the statement contained in it.

36.0 Assignment

36.1 Neither the Employer nor the Contractor shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

37.0 Export Restriction

37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Employer, to the country of the Employer, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Contractor from meeting its obligations under the Contract, shall release the Contractor from the obligation to provide deliveries or services, always provided, however, that the Contractor can demonstrate to the satisfaction of the Employer that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Employer's convenience pursuant to Sub-Clause 35.3.

38.0 Site Activities

38.1 The contractor/contractors shall give the customs, State Government, municipal, police, petroleum, road, railway, and all other authorities all notices, etc. that may be required by law and obtain all requisite licences for temporary obstructions, transportation, loading and unloading activities, enclosures, and for any other purposes whatsoever and pay all fees, taxes, duties, and charges which may be leviable on account of his/their own operations in executing the contract. He/They shall make good any damage to adjoining property whether public or private and supply and maintain any flags, horns, sirens, light etc. in whatever manner required in day or at night or for the purposes of warning/indication of work in progress or of imminent danger etc. He shall be allowed rent free the use of such grounds as is available on the site of works as in the opinion of the Employer may be absolutely necessary and on the completion of work or termination of this contract he shall vacate the premises and remove all surplus material.

38.2 The Employer shall indicate the storage space at site, for storing the material but the contractor shall satisfy himself as to the suitability of such sites and protection and such provision shall not release the contractor from liability to make good any loss or damage which may hamper such work until the same shall have been taken over.

38.3 Suitable access to and possession of the site shall be afforded to the contractor by the Employer in reasonable time. In the execution of the work, no persons other than the contractor or his duly appointed representatives, sub-contractor and workmen shall be allowed to do work at site except by the special permission in writing of the Employer and/or his representative.

38.4 The contractor shall comply with all precautions as per International Labour Organisation (I.L.O.) Convention (No.62) as far as they are applicable to this contract.

- 38.5 The contractor/contractors shall on completion of the work when directed by the Employer remove all plants, tools, materials, and rubbish which may have been used or may have accumulated during the progress of the work, other than those permanently taken into the works of all such rubbish or surplus materials or plants which the Employer may require the contractor/contractors to remove by the contractor or his sub-contractors within twenty-four (24) hours after receipt of written notice from the Employer requiring him/them to remove the same, and in default of compliance with such notice the Employer may forthwith remove all such rubbish or surplus materials or plant at the risk and cost of the contractor/contractors
- 38.6 The contractor will be allowed to tap/use electric power to the extent of as specified in **SCC**, if electric Supply from the Employer's network is available at work site, subject to the contractor's complying with the rules and regulations of temporary load and safety precaution laid down by the Employer from time to time. Use of power is restricted to single phase for electrical drilling machine, temporary lighting and testing of the lighting installation etc. For any other requirements, the contractor shall request the Employer. Upon suitability, the Employer shall provide the same at cost to the Contractor.
- 38.7 No work shall be carried out between sunset and 6.00 a.m. and on Sunday or Employer's holidays except with the previous sanction in writing from the Employer, granting to which will be entirely at his discretion and cannot be claimed by the contractor/contractors as matter of right and the refusal to grant such permission will not be accepted as a ground of excuse for not completing the work within the period hereinafter mentioned.
- 38.8 No living accommodation shall be made available for the contractor's staff and labour. The contractor/ contractors shall at his/their own expense provide the necessary transport to and from the site of the work and accommodation for his/their employees, the intention being that the sum named in the tender shall be inclusive of all expenses, whatsoever in connection with the contractor's/ contractors' staff and labour force.
- 38.9 Notwithstanding that all reasonable and proper precautions may have been taken by the contractor/contractors at all times during the progress of the work, the contractor/contractors shall nevertheless be wholly responsible for all damages, whether to the works themselves or to any other Employer's property or to the lives or persons or property of others during the progress of the works and period of maintenance.
- 38.10 The contractor/contractors shall at his/their own cost provide all labour and materials, haulage, stores, consumables, templates, staging, scaffolding, tarpaulins and all plants and tools whatsoever required to carry out and complete the work to the satisfaction of the Engineer and shall fence, with bamboo or other good materials of sufficient strength, all excavation, trenches, open culverts etc. and shall light the same at night and keep sufficient watchmen to the satisfaction of the Engineers at work site. He/They shall construct proper enclosures and fences for the protection and convenience of the work and the public during the progress of work.

The make and brand of the materials offered wherever applicable must be clearly stated and in case of unknown make or brand proper description should be submitted even if not so specified.

The contractor must make his own arrangement for obtaining all the materials required for completing the work. The rates to be entered for the items in the Price Schedule

should be inclusive of Supply, manufacture and assembly, testing, completion, delivery, storage at site, installation of new equipment and commissioning of all the works. The contractor/contractors shall make his/their own arrangements to obtain from the authorities concerned the petrol, oils, spare parts etc. required by him for the efficient and regular operation of the transport used by him/them to carry out and complete the work comprised in the contract, without delay whatsoever. The Employer will only issue a certificate if required to the contractor to enable him to request the concerned authorities, to provide all assistance within the law to him/them under this contract. The non-Supply of these materials by the authorities will not be taken as an excuse for not completing the contract within the stipulated period.

- 38.11 The contractor shall employ at least one qualified, experienced and competent representative whose name or names shall have previously been communicated in writing to the Employer and/or his representative by the contractor to supervise the delivery, unloading and storage and carrying out the work and also to liaise with the inspecting agency at the manufacturing site and point of delivery site. The said representative shall be present at site during working hours and any written orders or instructions which the Employer and/or his representative may give to the said representative of the contractor shall be deemed to have been given to the contractor, the said representative or representatives shall arrive at site on a date to be arranged by the Employer and/or his representative. Further all the correspondence pertaining to technical, financial, legal and the other matters shall be addressed to him.

The contractor shall have to execute electrical work of cranes under Supervision of Electrical contractor having valid Electrical's contractor Licence issued by the State Governments of India & work is required to be executed under the Supervisor having Supervisory Certificate of competency issued by the State Governments of GOI & copy of all documents to be submitted to Mechanical Engineer's office. The contractor shall obtain the Electrical inspection Certificate for effective power supply to the machines.

38.12 **Employment of Labour :**

The contractor/contractors shall employ such sufficient number of trustworthy, skilful and experienced assistants or Supervisors, Foremen, Mistries and Watchmen as may be approved by the Engineer and shall at all times employ a competent, qualified and experienced Engineer and careful and skilled workmen in or about execution of the said work to the satisfaction of the Engineer or any Engineer, Supervisor, Mistry, Watchmen to whom the Engineer and/or his representative shall object to on the ground of bad behaviour incompetence or negligence shall be removed by the contractor/contractors from the work within 24 hours after receipt of written order signed by the Engineer and/or his representative shall be again allowed on the work except with the written permission of the Engineer and/ or his representative. The contractor/contractors shall arrange to meet the Engineer or his Assistants on the works whenever required.

38.13 **Protective Personal Gear Such As Helmet, Face shield, Footwear, Gloves, Etc.:**

The contractor/contractors shall, at his/their own expense, provide footwear and gloves for all labour employed on concrete mixing work, gas cutting, welding etc, and all other types of work involving the use of tar and cement, glass shields for welders and diving equipment for divers, etc. to the satisfaction of the Employer or his

representative and on his/their failure to do so, the Employer shall be entitled to provide the same and recover the cost thereof from the contractor/contractors.

Safety Provision :

- i) The contractor should take necessary safety measures to carry out the job, without causing any accident, in the work premises, which will ultimately cause loss to Employer either directly or indirectly.
- ii) The contractor should apply for written permission to carry out the hot jobs with full details of the work, date, duration of work etc.
- iii) All the required safety gear and fire fighting accessories be made available by the contractor at the site of work for any emergency.
- iv) The permission copy should be sent to Port Fire and Safety Officer, and the Safety section in advance.
- v) The hot jobs should be started only after the concerned supervisory staff of the concerned department is satisfied with the safety arrangements made at site.

The contractor shall supply to his workmen and staff cotton arm bands of approved quality and colour for wearing them on their arms while carrying out the work. These arm bands should be of distinctive type and serially numbered and the contractor shall maintain a register of issue of arm bands and names of workmen to whom these have been issued.

Notwithstanding anything herein contained the contractor shall comply with all the provisions of the contract labour (Regulation and Abolition) Act, 1970 and Rules and Regulations made there under as amended from time to time if applicable.

The rates quoted by the contractors in the Price Schedule shall be deemed to include expenses whatsoever that the contractor may be required to incur for compliance with the provisions of the above Act.

In pursuance of Section 21 of the above Act and Rule 25(2)(V)(A) framed thereof, the Tenderers should note that in cases where the workmen employed by them to perform the same and similar kind of work as the workmen directly employed by this Employer, the wage rate of all category of workmen shall be in accordance with the statement of the Employer's Schedule of Rates revised from time to time. The wage rates in respect of categories of workmen which are not included in the Employer Schedule shall not be less than those specified in the Schedule of "Fair Wages".

The contractor shall make his own arrangements for the engagement of all labour, preferably local.

The Contractor shall also comply fully with the provisions of the payment of Wages Act, 1936.

If any enhancement in the rates of Wages become payable as a result of the implementation of the Chief Labour Commissioner's interpretation of the Contract Labour (Regulations and Abolitions) Central Rules, 1971 upto and including an increase of 10% of the Wages, the same shall be borne by the contractor/contractors.

The contractor shall be responsible for the observance by his sub-contractors, of the foregoing provisions/precautions.

The contractor shall make necessary arrangements for the representative of the Employer and/or his representative to witness the payment made by the Contractor to his labourers. The contractor shall also submit periodical returns of labour employed by him and wages paid, to the Employer's representatives.

Supply of water: The contractor shall, as far as practicable having regard to local conditions, provide on the site to the satisfaction of the Engineer's representative, an adequate Supply of drinking and other water for the use of the contractor's staff and workmen.

Festivals and religious customs : The contractor shall in all dealings with labour in his employment, have due regard to all recognised festivals and observe days of rest as applicable to the outdoor staff of the Mechanical Engineering Department of Employer.

Epidemics: In the event of any outbreak of illness of 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 dealings with overcoming the same.

Disorderly conduct, etc. : The contractor shall at all time take all reasonable precautions to prevent any unlawful riotous or disorderly conduct by or among his employees, officers, or agents and for the preservation of peace and protection of person and property in the neighbourhood of the works against the same.

Accidents: The contractor shall, within twenty four (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 Employer or his representative. The contractor shall also report such accidents to the concerned constituted authorities.

The contractor shall use water free of cost from the nearest Employer's tap or hydrant dependent on the availability as directed by the Engineers.

Every precaution shall be taken by the contractor/contractors to prevent the breeding of mosquitoes on the works during the construction and all receptacles used for storage of water, soaking bricks, etc. must be suitably protected for this purpose or must be emptied at the close of the work everyday. All water used for during concrete must contain saponified croseol in solution of not less than 1:2000 or more than 1:1000 so that the solution will have a markedly cloudy appearance and will give a reasonably strong odour.

38.14 The contractor/contractors shall give notice to the Employer or the Engineer or his assistant whenever any work is to be buried in the earth or made inaccessible later on, in order that the work may be inspected and correct dimensions taken before such burial in default whereof the same shall at the opinion of the Employer or the Engineers or his assistant be either opened up for measurement at the contractor/contractors expenses and no allowance shall be made for such work. Should any dispute or difference arise after the execution of any work as to measurements etc. which cannot be conveniently tested or checked the Employer's or

the Engineers' or his Assistants notes shall be accepted as correct and be binding on the contractor/contractors.

38.15 Safety of Existing Underground Services

The contractor shall take due care and adopt such measures to ensure that the existing underground services of the Employer as well as Public Utility Bodies viz. Electric Boards/Companies, BSNL/MTNL, local municipality, Gas Co., etc., are not damaged during the excavation work of cables trench, pole pits, foundation pits etc. The drawing showing the approximate route of such service will be available with the Superintendent, Electrical Construction Division of this office and shall be consulted before starting the work. Exact location of a service shall be ascertained by taking trial pits at strategic points as directed by the Employer or his representative. The work in the vicinity of such services shall be carried out to meet the specific requirements of a party to whom the service belongs. Any damage caused to a service, irrespective of the fact that the utmost precautions are taken to avoid damage shall be at the entire risk and cost of the contractor.

39.0 Employer's Decision

39.1 The whole of the work under this contract shall be carried out under the direction of the Employer and his decision upon all questions relating to the details of construction or the meaning of the drawings, Specifications, Price Schedule and the methods of carrying out the work shall be final and any dispute arising under in connection with this contract or the carrying out thereof including any question as to construction and meaning of this contract or any clause therein shall be final and binding upon the contractor or his sub-contractors whether such decision shall have given by way of certificate or otherwise and whether it shall have been given during the progress of the work or after completion of the same.

40.0 Employment and Employer's Personal

40.1 The successful Tenderer shall furnish information before the award of contract, whether he himself or any of his partners, directors or employees had held Class I post with the Employer within the period of last two years.

40.2 The Employer shall be at liberty to terminate the contract if the successful Tenderer himself or any of his partners, employees or any of his directors who having held Class I post with the Employer. prior to his retirement has failed to obtain the Chairman's specific permission to undertake an occupation or any outside employment before the expiry of two years from the date of his retirement, in accordance with the provision of Class I Employees, (Acceptance of Employment after retirement) Regulations.

41.0 Licences

41.1 Import Licence, Permits, etc.

The contractor will make his own arrangements for obtaining materials required for the manufacture of the items and for the efficient and regular operation of the work. The Engineer will, however, forward his application for import licences, to the proper authorities if desired by him certifying the nature of the work to be carried out but under no circumstances the non-Supply of such controlled or other materials by the authorities will be taken as an excuse for not completing the contract, if awarded, within the stipulated period.

42.0 DISCLAIMER

Each Tenderer shall conduct his own investigation and analysis, check the accuracy, reliability and completeness of the information provided in this Tender Document at his own cost and expenses.

It would be deemed that prior to submitting the Tender, the Tenderer has (a) made a complete and careful examination of requirements and other information set forth in this Tender, (b) received all such relevant information as it has requested from the Port Trust, and (c) made a complete and careful examination of the various aspects of the Project including, but not limited to, (i) the site, (ii) existing facilities and structures, (iii) the conditions of the access roads, waterfront and utilities in the vicinity of the site (iv) applicable laws and applicable permits and (vi) all other matters, including Guidelines, Major Port Trust's Act 1963, as amended from time to time, bye-laws, rules and regulations made there under, any administrative or other directions and guidelines given under the said Act as amended from time to time, a statement of conditions prescribed under the said Act as amended from time to time, and all other statutory enactments in relation to the Project or Project Services that might affect the Tenderer's performance under the terms of this Tender Document. The Port Trust shall not be liable for any omission, mistake or error or neglect by the Tenderer in respect of the above.

43. VARIATION:

- (i) Variation means variation in quantities of items ie. Where there is increase of quantities of items of work in the agreement. On other words, the nomenclature of work remains the same, but the quantity of variation is maximum 30 % against the Tender cost shown in the agreement. The said variation shall be executed after approval of the competent authority.
- (ii) The quantity of items in Schedule'A1' are only Tentative.
- (iii) Payment shall be made to the Tenderer as per the actual work carried out at site.

**CHIEF MECHANICAL ENGINEER
CHENNAI PORT TRUST**

Section - VII

Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC 1.1(a) and 1.1(q)

*Chief Mechanical Engineer,
Chennai Port Trust,
No.1 Rajaji Salai,
Chennai – 6*

GCC 1.1 (p)

The Employer is: Trustees of Port of “Chennai”
The Project Site(s)/Final Destination(s) is/are:
Dy.Chief Mechanical Engineer,
Electric Supply & Coal Handling Division,
Chennai Port Trust, Rajaji Salai,
Chennai – 600 001.
in pursuant to ITT clause 14.5 a(iii)..

GCC 4.2 (a)

Incoterms is not applicable to this tender, since the procurement is from local bidders (INDIAN BIDDERS).

GCC 4.2 (b)

Incoterms is not applicable to this tender and QUOTED RATE SHOULD BE INCLUSIVE OF ALL TILL DELIVERY, INSTALLATION, TESTING AND COMMISSIONING AT CHENNAI PORT TRUST, CHENNAI.

GCC 8.1

For **notices**, the Employer's address shall be:

Attention: Chief Mechanical Engineer
Chennai Port Trust,
No.1 Rajaji Salai, Chennai – 600 001
City: Chennai
PIN Code: 600 001
Country: India
Telephone: (044) - 225362070
Facsimile number: (044) – 25360955
Electronic mail address: cmechennaiport@gov.in

GCC 9.1

The governing law shall be the law of Government of India or its constituents and all legal disputes shall be subjected to the jurisdiction of High Court of Madras.

GCC 10.2

The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.2 shall not be applicable to this contract.

The decision of Chief Mechanical Engineer shall be final with an appealing authority as Chairman of the Port. The decision of the Chairman shall be binding on either parties.

GCC 12.1

Details of Shipping / dispatch and other Documents to be furnished by the Contractor are a railway consignment note, a road consignment note, insurance certificate, Manufacturer's or Contractor's warranty certificate, inspection certificate issued by nominated inspection agency, Contractor's factory shipping details etc.

The above documents shall be received by the Employer before arrival of the Goods and, if not received, the Contractor will be responsible for any consequent expenses.

GCC 14.1

The prices charged for the Goods supplied and the related Services performed shall *not be* adjustable.

No escalation of what so ever nature shall be payable in the contract except that the contract price shall be adjustable on account of any changes in statutory Taxes and duties.

GCC 15.1 and 15.5

No Advance Payment will be made.

For Item Nos.1 (a), 2 (a), 3 (a), 4 (a), 5 and 6

Supply

(i) 70% payment will be made after the receipt of entire supply materials in good condition at site and acceptance by the Trust.

(ii) 30 % payment will be made after installation and taking over of entire systems.

For Item Nos.1 (b), 2 (b), 3 (b), 4 (b) and 5 (i) and all other items:

100% payment will be made after taking over of entire systems.

The payment will be made on production of pre-receipted bill in the Trust's format and being certified by the Employer's representatives.

The tenderer shall quote the Bank Account details for the payment through ECS along with PAN, MICR No., IFSC Code, etc.

Any claim for interest will not be entertained by the ChPT with respect to any payment or balance which may be in their hands owing to any disputes between themselves and the Contractor or with respect to any delay on the part of the ChPT in making payment.

NOTE: On successful tenderer shall submit the Schedule of materials with rate for payment purpose on approval of Engineering in charge.

GCC 16.3

It shall be the responsibility of the successful Tenderer to pay all the applicable taxes & duties. If any exemption from Taxes and duties are possible, the same are required to pass on to Ch. PT (Chennai Port Trust).

GCC 17.1

Security Deposit/Performance Guarantee shall be submitted by the successful bidder within 21 days. The amount of the Security deposit shall be: 10% of total Contract Value in the form of a Bank Guarantee (B.G) or fixed Deposit Receipt from a commercial banks or online payment in an acceptable form having their branch in Chennai. The validity of such guarantee issued, towards performance of the Contract, shall be up to a period of one years from the date of successful commissioning and testing of the entire system further claim

period of 3 months thereafter. The Bank Guarantee towards Performance Guarantee for supply will be released after completion of guarantee period.

GCC 17.3

The **Performance Guarantee** shall be in the form of “a Bank Guarantee” BG shall be from the commercial Bank, enforceable/encashable at Chennai only.
The Performance security shall be denominated in the INR.

GCC 17.4

Discharge of the Performance Guarantee shall take place: Upon issuance of a letter to that extent by the Employer and on satisfactory completion of the Contract period.

GCC 22.2

The packing, marking and documentation within and outside the packages shall be as stated under GCC Cl No. 22.1 to 22.3 and clearly mention the **final destination** mentioned under clause TIS 14.5 (a) (iii).

GCC 23.1

The **insurance** coverage shall be as follows:-

The entire equipment shall be insured during transit of materials from the Place of dispatch to the Place of Destination and till handing over / taking over of the equipment to the satisfaction of the Employer. The charges shall be borne by the Tenderer.

GCC 24.1

The Contractor is required to arrange for transporting the entire equipment from the place of manufacturer to a specified place of final destination, defined as the Project Site (i.e. Chennai Port Trust).

GCC 25.1

All the **Inspections and Tests** mentioned under shall be carried out:-

The TPI shall be appointed by the Employer, for the approval of drawings, Stage Inspections and during testing and commissioning at site. Based on the QAP (Quality Assurance Plan) submitted by OEM and approved by the TPI agency. Payment will be released based on TPI report.

GCC 25.2, 25.3 and 25.5

The **Inspections and tests** shall be conducted for the approval of drawing, inspect the site and works duly certify the work for payment.

GCC 26.1

The Liquidated Damage/Late Delivery Charges: The Liquidated Damages/Late Delivery Charges shall be deducted from any amount payable to or to be payable to the

contractor/supplier including encashment of Bank Guarantee or any securities/guarantees, if any available with the Port Trust.

The maximum amount of Liquidated Damages/Late Delivery Charges shall be worked out based on the total contract/supply order value inclusive of all taxes and duties thereon.

In case of part/portions of the contract work/supply order completed and taken possession by the Trust and the Trust operates/can be made for operation of the part portion/supply order, the calculation of Liquidated Damages will be restricted to the uncompleted/undelivered value of the work/supply order subject to the amount of the maximum percentage prescribed for the Liquidated Damages/Late Delivery Charges of the total value of the contract/supply.

The Liquidated Damages/Late Delivery Charges shall be ½% of the contract value per week or part thereof (a week is defined as 7 days inclusive of holidays) subject to a maximum of 10% of the total contract value.

If the contract/supply order is delayed after giving due notice, the contract/supply order may be cancelled by the competent authority with the condition that any additional expenditure incurred by the Port Trust in completing the work/supply order will be recovered from the contractor/supplier of the cancelled contract/supply order for non-performance/delay in the execution of the contract/supply.

GCC 27.3

The period of validity of the **Warranty** shall be **24 months** from the next day of issue of taking over Certificate by the Chief Mechanical Engineer.

GCC 27.5 & 27.6

The period for repair or replacement shall be **Three (3)** days in normal course. However, if spare parts are required, the period shall be as determined by the Employer.

Defect Liability Period shall be extendable to the extent of idling of Equipment/ Facility (non-commercial use) due to non rectification of defects during the original or extended defect liability period; Reasonable period of response may be decided on case to case basis and indicated by the Employer after considering the nature and type of defect, its remedial process and scope of contract.

GCC 27.8

Scope shall be as defined in Section V, Schedule of Requirements.

Section VIII
Contract Forms
Table of Forms

1. Contract Agreement
2. Performance Bank Guarantee BG

CONTRACT AGREEMENT

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

[The successful Tenderer shall fill in this form in accordance with the instructions indicated]

THIS CONTRACT AGREEMENT is made

the [insert: **number**] day of [insert: **month**], [insert: **year**].

BETWEEN

- (1) *The Trustees of Port of Chennai Port Trust, an Autonomous Body of the Ministry of SHIPPING of the Government of INDIA, incorporated under the Major Port Trust Act, 1963 as Amended thereafter, under the Laws of India and having its principal place of business at [ChPT] (hereinafter called “the Port”), and*
- (2) *[insert name of Contractor], [incorporated under] the laws of [insert: country of Contractor] and having its principal place of business at [insert: address of Contractor] (hereinafter called “the Contractor”).*

WHEREAS the Employer/ Board invited Tenders against tender no. _____ “” viz., and has accepted a Tender by the Contractor in accordance with the supply/delivery schedules, in the sum of *[insert Contract Price in words and figures, expressed in the Contract currency(ies)]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Employer/ Board and the Contractor, and each shall be read and construed as an integral part of the Contract:
 - (a) This Contract Agreement;
 - (b) Special Conditions of Contract;
 - (c) General Conditions of Contract;
 - (d) Technical Requirements (including Schedule of Requirements and Technical Specifications, drawings);
 - (e) Notice Inviting Tender;
 - (f) Replies issued to the Pre-bid queries, addenda is any issued **[numbers and dates]**;

- (g) The Contractor 's Bid and original Price and Delivery Schedules;
- (h) The Employer/ Board's Notification of Award;
- (i) *Correspondence the Employer/ Board had exchanged with the bidder till and after award of contract*;
- (j) *and any other document(s)*

AND WHEREAS

EMPLOYER/ BOARD accepted the Bid of CONTRACTOR for the provision and the execution of WORK at the CONTRACT PRICE as indicated in CONTRACT upon the terms and subject to the conditions of Contract. Now this CONTRACT AGREEMENT witnesseth and it is hereby agreed and declared as follows:

- (a) In consideration of the payment to be made to CONTRACTOR for WORK to be executed by him. CONTRACTOR hereby Covenants with EMPLOYER/ BOARD that CONTRACTOR shall and will duly provide, execute and complete Work and things in CONTRACT, mentioned or described or which are to be implied there from or may be reasonably necessary for completion of Work and at the times and in the manner and subject to the terms and conditions or stipulations mentioned in CONTRACT.
- (b) In consideration of the due provision, execution and completion of WORK by the CONTRACTOR in accordance with the terms of the CONTRACT, the EMPLOYER/ BOARD does hereby agree with CONTRACTOR that EMPLOYER/ BOARD will pay to Contractor the respective amounts for the work actually done by him and approved by EMPLOYER/ BOARD as per Payment Terms accepted in CONTRACT and payable to CONTRACTOR under provision of Contract at such time and in such manner as provided for in the CONTRACT.

AND

- © In consideration of the due provision, execution and completion of WORK, CONTRACTOR does hereby agree to pay such sums as may be due to EMPLOYER / BOARD for the services rendered by EMPLOYER/ BOARD to Contractor as set forth in CONTRACT and such other sums as may become payable to EMPLOYER/ BOARD towards loss, damage to the EMPLOYER/ BOARD's equipment, materials etc. and such payments to be made at such time and in such manner as is provided in the CONTRACT.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *INDIA* on the day, month and year indicated above.

For and on behalf of the Employer/ Board

Signed: *[insert signature]*
 in the capacity of *[insert title or other appropriate designation]*
 in the presence of *[insert identification of official witness]*

For and on behalf of the Contractor

Signed: *[insert signature of authorized representative(s) of the Contractor]*
 in the capacity of *[insert title or other appropriate designation]*
 in the presence of *[insert identification of official witness]*

SPECIMEN BANK GURANTEE PERFORMANCE GUARANTEE/ SECURITY DEPOSIT
(To be executed on Rs.100/- non-judicial Stamp Paper)

[The bank, as requested by the successful Tenderer, shall fill in this form in accordance with the instructions indicated]

In consideration of the Board of Trustees of the Port of **Chennai Port Trust** incorporated by the Major Port Trusts Act, 1963 as amended by Major Port Trust (Amendment) Act 1974 (hereinafter called "The Board" which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include the Board of Trustees of the Port of **[insert name of Port]**, its successors and assigns) having agreed to exempt _____ (hereinafter called the "Contractor")'

(Name of the Contractor/s)

from the demand under the terms and conditions of the Contract, vide _____ 's letter No. _____

(Name of the Department)

date _____ made between the Contractors and the Board for execution of _____ covered under Tender No. _____ dated _____ (hereinafter called "the said contract") for the payment of Performance Guarantee in cash or Lodgement of Government Promissory Loan Notes for the due fulfilment by the said Contractors of the terms and conditions of the said Contract, on production of a Bank Guarantee for Rs. _____

(Rupees _____) only we, the (Name of the Bank _____ and Address) _____

_____ (hereinafter referred to as "the Bank") at the request of the Contractors do hereby undertake to pay to the Board an amount not exceeding Rs. _____ (Rupees _____) only against any loss or damage caused to or suffered or which would be caused to or suffered by the Board by reason of any breach by the Contractors of any of the terms and conditions of the said contract.

2. We, _____, _____, do hereby
(Name of Bank) (Name of Branch)

undertake to pay the amounts due and payable under this guarantee without any demur merely on a demand from the Board stating that the amount

claimed is due by way of loss or damage caused to or which would be caused to or suffered by the Board by reason of any breach by the Contractors of any of the terms and conditions

of the said contract or by reason of the Contractors failure to perform the said contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to any amount not exceeding Rs. _____ (Rupees _____) only.

3. We, _____, undertake to pay to the
(Name of Bank and Branch)

Board any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending 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 thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We, _____ further agree with the Board that
(Name of Bank and Branch)

the guarantee herein contained shall remain in full force and effect during the period that would be taken for performance of the said contract and that it shall continue to be enforceable till all the dues of the Board under or by virtue of the said contract have been fully paid and its claims satisfied or discharged or till the

(Name of the user department)

of the said certifies that the terms and conditions of the said contract have been fully and properly carried out by the said Contractors and accordingly discharge this guarantee. PROVIDED HOWEVER that the Bank shall be the request of the Board but at the cost of the Contractors, renew or extend this guarantee for such further period or periods as the Board may require from time to time.

5. We, _____ further agree with the Board
(Name of Bank and Branch)

that the Board shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract or to extend the time of performance by the said contract or to extend the time of performance by the said Contractors from time to time or to postpone for any time or from time to time any of the powers exercisable by the Board against the said Contractors and to

forebear or enforce any of the terms and conditions relating to the said contract and we shall not be relieved from our liability by reason of any such variation or extensions being granted to be Contractors or for any forbearance, act or omission on the part of the Board or any indulgence shown by the Board to the Contractors or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. It is also hereby agreed that the Courts in **[insert city]** would have exclusive jurisdiction in respect of claims, if any, under this Guarantee and en-cashable at Mangalore local branch.

8. We, _____ Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Board in writing.

9. *Notwithstanding anything contained herein :

a) Our liability under this Bank Guarantee shall not exceed Rs. _____ (Rupees _____ only);

b) This Bank Guarantee shall be valid upto _____; and

c) we are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before _____ (date of expiry of Guarantee).”

Date _____ day of _____ 20

For (Name of Bank)

(Name)

Signature

SECTION – IX

INTEGRITY PACT

BETWEEN

Chennai Port Trust Chennai hereinafter referred to as “The Principal”,

AND

..... hereinafter referred to as “The Bidder/Contractor”.

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with the Bidder/s and Contractor/s.

In order to achieve these goals, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

(a) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles :-

No employee of the Principal, 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 him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.

The Principal will, during the tender process treat all Bidders/Contractors with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders/Contractor the same information and will not provide to any Bidder/Contractor confidential/additional information through which the Bidder/Contractor could obtain an advantage in relation to the tender process or the contract execution.

The Principal will exclude from the process all known prejudiced persons.

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

Section 2 – Commitments of the Bidder/Contractor

(a) The Bidder/Contractor commit himself 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.

- (i) The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial 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.
 - (ii) The Bidder/Contractor 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.
 - (iii) The Bidder/Contractor will not commit any offence under the IPC/PC Act; further the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - (iv) The Bidder/Contractor of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the Bidder/Contractor of Indian Nationality shall furnish the name and address of the foreign principals, if any.
 - (v) The Bidder/Contractor 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.
- (b) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences

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

If the Bidder/Contractor, before award of contract has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder/Contractor into question, the Principal is entitled to disqualify the Bidder/ Contractor from the tender process or to terminate the contract, if already signed, for such reason.

- (a) If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by 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 and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.
- (b) The Bidder/Contractor accepts and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

- (c) If the Bidder/Contractor can prove that he has restored/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.
- (d) A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

Section 4 – Compensation for Damages

- (a) If the Principle has disqualified the Bidder/contractor from the Tender process prior to the award according to section 3, the Principal is entitled to demand and recover from the Bidder/ contractor liquidated damages equivalent to 3 % of the value of the offer or the amount equivalent to Earnest Money Deposit/ Bid Security, whichever is higher.
- (b) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principle shall be entitled to demand and recover from the contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit / Performance Bank Guarantee, whichever is higher.
- (c) The Bidder / Contractor agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder / Contractor from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount of the liquidated damages, the Bidder / Contractor shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 – Previous Transgression.

- (a) The Bidder / Contractor declares that no previous transgressions occurred in the last 3 years with any other Company in any country conforming to or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- (b) If the Bidder / Contractor 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 / Sub-Contractors.

- (a) The Bidder / Contractor undertake to demand from all sub-contractors as commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- (b) The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Sub-Contractors.
- (c) The Principal will disqualify from the tender process all bidders/contractors who do not sign this pact or violate its provisions.

Section 7 – Criminal charges against violating Bidders/Contractors/Sub-Contractors

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

Section 8 – External Independent Monitor/Monitors (number depending on the size of the contract to be decided by the Principal)

- (a) The Principal appoints competent and credible external independent 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.
- (b) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently.
- (c) The Bidder/Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal 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 Sub-Contractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Sub-Contractor with confidentiality.
- (d) The Principal 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 Principal and the Contractor. The parties offer to the Monitor, the option to participate in such meetings.
- (e) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or to 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.
- (f) The Monitor will submit a written report to the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.
- (g) Monitor shall be entitled to sitting fee for his service as decided by the Principal from time to time depending upon the total value of the project. The said fee will be borne by the Principal.
- (h) If the Monitor has reported to the Principal substantiated suspicion of an offence under the IPC/PC Act and the Principal has not, within reasonable time, taken visible action to proceed against such offence or reported to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- (i) The word 'Monitor' would include both singular and plural.

(j) The present Independent External Monitors are

Shri. Dr.P.TAMILVANNAN

Section 9 – Pact Duration

- (a) This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidder 6 months after the contract has been awarded.
- (b) 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 the Chennai Port Trust.

Section 10 – Other Provisions

- (a) This agreement is subject to Indian Law. Place of performance and jurisdiction is Chennai.
- (b) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (c) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (d) Should one or several provision 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.

For the Principal
(Office Seal)

For the Bidder/Contractor
(Office Seal)

Place:
Date:

WITNESS 1
(Name and Address)

WITNESS 2
(Name and Address)