



**CHENNAI PORT TRUST**

**e-TENDER No. MEE / 28 / 2019 / Dy.CME(ES)**

**e- TENDER**

**FOR**

**PROVIDING POWER SUPPLY ARRANGEMENTS FOR COASTAL  
BERTH IN CHENNAI PORT TRUST UNDER TWO COVER SYSTEM**

**On line submission closing date:14.30 Hrs. on 04.10.2019**

**On line Opening date: 15.00 Hrs. on 05.10.2019**

**THROUGH E PROCUREMENT ON WEB SITE**

**[e-procure.gov.in](http://e-procure.gov.in)**

**CHENNAI PORT TRUST**

**MECHANICAL & ELECTRICAL ENGINEERING DEPARTMENT**

**e - TENDER NO: MEE / 28 / 2019 / Dy.CME(ES)**

**e – TENDER FOR PROVIDING POWER SUPPLY ARRANGEMENTS FOR COASTAL BERTH 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/ 28 / 2019 / Dy.CME(ES)**

Sealed E-Tenders are invited for work for **“Providing power supply arrangements for COASTAL BERTH in Chennai Port Trust under two cover system”**

**On line submission closing date: 14.30 Hrs. on 04.10.2019**

**On line Opening date: 15.00 Hrs. on 05.10.2019**

Further details [www.eprocure.gov.in](http://www.eprocure.gov.in)  
[www.chennaiport.gov.in](http://www.chennaiport.gov.in)

**CHIEF MECHANICAL ENGINEER**

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**CHENNAI PORT TRUST**  
**NIOT for Web Advertisement**  
**Mechanical & Electrical Engineering Department**  
**DY.CME (ES) DIVISION**  
**e - Tender NO: MEE / 28 / 2019 / Dy.CME(ES)**

Details about tender:

<b>Department Name</b>	Mechanical & Electrical Engineering Department
<b>Circle/ Division</b>	CHIEF MECHANICAL ENGINEER, Dy.Chief Mechanical Engineer (ES&CH) Division, Old Administrative Office Building, II Floor, Rajaji Salai, Chennai – 600 001.
Tender Notice No.	<b>MEE / 28 / 2019 / Dy.CME(ES)</b>
Name of Project	<b>“e Tender for Providing power supply arrangements for COASTAL BERTH in Chennai Port Trust under two cover system”</b>
Name of Work	<b>“e Tender for Providing power supply arrangements for COASTAL BERTH in Chennai Port Trust under two cover system”</b>
Estimated Contract Value (INR)	<b>Rs.1,71,45,115.00</b>
Period of Completion (in Months)	The entire work shall be completed within 180 days from the 7 <sup>th</sup> 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><b>PRE-QUALIFICATION CRITERIA / BIDDING CONDITION</b></p> <p>i) The <b>Average Annual Financial Turnover</b> during the last Three (3) years ending 31<sup>st</sup> March 2018 should be at least <b>INR Rs.51,43,535</b> /-. 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 2015-16, 2016-17 and 2017-18).</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) <b>One</b> similar completed work of contract value not less than <b>Rs.1,37,16,092</b> /-; ie 80% of the total contract value (OR)</p> <p>b) <b>Two</b> similar completed works of contract value not less than <b>Rs. 85,72,558</b> /- <b>each</b> ie 50% of the total contract value (OR)</p> <p>c) <b>Three</b> similar completed works of contract value not less than <b>Rs. 68,58,046</b> /- <b>each</b> ie 40% of the total contract value</p> <p>‘SIMILAR’ Works – means “carried out Supply and Installation of HT electrical works or Supply and Installation of HT &amp; LT electrical works.”.</p> <p>iii) Copy of valid EA Grade electrical license in the Firm’s name <b>PI Note:</b> (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.</p> <p><b>(ii) “TDS Certificates with relevant Traces shall also be enclosed if the similar works executed in private organizations”.</b></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) :	<b>Rs.3,42,902</b> /- ( <b>Rupees Three lakhs forty two thousand and nine hundred and two only</b> )
Bid Security/ EMD	The Chairman, Chennai Port Trust, Chennai.

(INR) In Favour Of :	
Bid Document Downloading Start Date	<b>10 / 09 / 2019 onwards</b>
Bid Document Downloading End Date	<b>04 / 10 / 2019 upto 14.30 Hrs.</b>
Date & Place of Pre Bid Meeting	<b>17 / 09 / 2019 @ 11.00 Hrs.</b>
Last Date & Time for online Receipt of Bids	<b>04 / 10 / 2019 upto 14.30 Hrs.</b>
Bid Opening Date	<b>05 / 10 / 2019 at 15.00 Hrs.</b>
Bid Validity Period	<b>150 Days</b>
Condition	<p>E.M.D. (Demand Draft/Banker's cheque/ ) shall be submitted in electronic format through on line (by scanning) while uploading the bid. The bidder shall also send the Hard Copy of EMD (D.D./ Banker's cheque/ in original to Dy.CME (ES), Chennai Port Trust, Chennai, through post or by hand so as to reach to the Dy.CME(ES) on or before the bid opening date for the purpose of realization.</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: <a href="mailto:dycme@chennaiport.gov.in">dycme@chennaiport.gov.in</a></p>
Remarks	Submission of EMD and other documents during office hours: on date <b>11/ 09 /2019 to 05 /10 /2019</b> by RPAD/speed post/courier/hand in the chamber of Dy.CME(ES), Chennai Port Trust, 2 <sup>nd</sup> 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 <b>05/ 10 /2019 @ 15:00 Hrs.</b> 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:	<b>CHIEF MECHANICAL ENGINEER</b>
Bid Opening Authority :	<b>EXECUTIVE ENGINEER</b>
Address:	<b>Chief Mechanical Engineer, VII Floor, Centenary Building, Rajaji Salai, Chennai – 600 001.</b>

Contact Details :	The Dy.CME (ES), Chennai Port Trust, 2 <sup>nd</sup> Floor, Old Admn. Office Building, Rajaji Salai, Chennai – 600 001. Phone No: <b>044 – 2531 2542</b> Email: dycme@chennai port.gov.in
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**NOTE:**

In case bidders need any clarifications to participate in online Tenders, they can contact Dy.CME (ES) 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.

**CHIEF MECHANICAL ENGINEER  
CHENNAI PORT TRUST**

## **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 be 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 **04.10.2019 at 14.30 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](http://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 on or before **05.10.2019, 14.30 Hrs.** The time of opening of technical bid will be on **05.10.2019 at 15.00 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 for EMD
- ii) Valid MSME /NSIC 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, 7<sup>th</sup> 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 for Coastal Berth 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

**2.0 Name of the Procurement**

**2.1 “Providing power supply arrangements for Coastal Berth 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 for Coastal Berth 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 from any of the Nationalized 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 NSIC / 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 there of
- 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 Grade electrical 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 / PF registration Number
- i. Copy of GST Tax registration number, if not registered the GST will not be considered.

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' 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.

**&&&&**

## 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: <b>Chennai Port Trust, Chennai.</b> Tender No. <b>MEE / 28 / 2019 /Dy.CME(ES)</b> Name: “ <b>e Tender for the Providing power supply arrangements for Coastal Berth in Chennai Port Trust under two cover system</b> ”
ITT 2.1	The title of the Project is: “ <b>e Tender for the Providing power supply arrangements for Coastal Berth in Chennai Port Trust under two cover system</b> ”
ITT 4.3	A list of Black Listed firms participating in this tender is available at <a href="http://www.chennaiport.gov.in">http://www.chennaiport.gov.in</a> .
	<b>B. Contents of Tendering Documents</b>
ITT 7.1	For <b><u>Clarification of Tender purposes</u></b> only, the Employer’s address is: <b>The Dy.CME (ES), Chennai Port Trust, 2<sup>nd</sup> Floor, Old Admn. Office Building, Rajaji Salai, Chennai – 600 001. Phone No: 044 – 2531 2542 Email – dycme@chennaiport.gov.in</b> Pre bid meeting shall be conducted at <b>CME’s Conference hall, Office of the Chief Mechanical Engineer, 7<sup>th</sup> Floor, Centenary Building, Chennai Port Trust on</b> <i>Prospective Tenderers may attend the same.</i>
	<b>C. Preparation of Tenders</b>
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)	<p>The Tenderer shall submit the following additional documents in its Tender:</p> <ol style="list-style-type: none"> <li>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.</li> <li>b. Details of current commitments and details of work completed in past.</li> <li>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).</li> <li>d. Arrangement for importing spare parts, tie up with local firms for supply of spare parts, if any and arrangement for after sales service.</li> <li>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.</li> </ol>
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)	<p>“Final destination (Project Site)”:  Deputy Chief Mechanical Engineer (ES),  Chennai Port Trust, Rajaji Salai, Chennai, Tamilnadu.</p>
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	<b>The Tenderer is required to quote in only INR</b>
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	Tender shall include an EMD in the form of <b>Demand Draft/ Bankers’Cheque/ in favour of “CHAIRMAN, Chennai Port Trust,</b>



(a)	<p><b>Chennai” and payable at Chennai from the any of the Nationalized bank.</b></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 / NSIC 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 &amp; 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: <b>Rs.3,42,902 /-</b> ( <i>Rupees Three lakhs forty two thousand nine hundred and two only</i> )
ITT 22.1	In addition to the Online Tender, one Hard Copy of the tender is required as specified in the Tender.
<b>D. Submission of Hard Copy Tender</b>	
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, 7<sup>th</sup> 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 online submission of Tenders is: Date:<b>00 / 00 / 2019 at 15.00 Hrs.</b></p>
ITT 27.1	<p>The Tender opening at: Deputy Chief Mechanical Engineer (ES), Chennai Port Trust, Chennai, Tamilnadu. <b>Time:15.00 Hrs. and Date: 00 / 00 / 2019</b></p>
<b>E. Evaluation and Comparison of Tenders</b>	
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

<b>ITT 32.3(a)</b>	The total cost will be taken for the evaluation.
<b>ITT 32.3(d)</b>	The contract price shall be determined using the criteria set out in Section III, Evaluation and Qualification Criteria.
<b>ITT 34.1</b>	JVs/Consortia is not applicable to this contract.
	<b>F. Award of Contract</b>
<b>ITT 36.1</b>	<b>Contract will be awarded to the lowest tenderer based on the total cost</b>
<b>ITT 37.1</b>	The maximum percentage by which quantities may be increased is: 30% The maximum percentage by which quantities may be decreased is: 30%
<b>ITT and 39.2 and 40.1</b>	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 31<sup>st</sup> March 2018 should be at least **INR Rs.51,43,535** /-. 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 2015-16, 2016-17 and 2017-18).

- 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.1,37,16,092** /-; ie 80% of the total contract value  
(OR)
  - b) **Two** similar completed works of contract value not less than **Rs. 85,72,558** /- **each** ie 50% of the total contract value  
(OR)
  - c) **Three** similar completed works of contract value not less than **Rs.68,58,046** /- **each** ie 40% of the total contract value

'SIMILAR' Works – means “carried out Supply and Installation of HT Electrical works or supply and installation of HT / LT electrical works”.

iii) Copy of valid EA Grade electrical license in the Firm's name

**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 <b>LAST THREE FINANCIAL YEARS ENDING 31<sup>ST</sup> MARCH</b>	Turnover
2015-16	
2016-17	
2017-18	

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

### 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 Electrical 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 for Coastal berth in Chennai Port Trust under two cover system”**

Ref: MEE / 28 / 2019 / Dy.CME(ES)

The undersigned, having studied the pre-qualification submission for the above mentioned 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/ 28 / 2019/ Dy.CME(ES) 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 *[insert Tenderer's legal name]*

2. In case of JV, legal name of each party: **[Not applicable]**

3. Tenderer's actual or intended Country of Registration: *[insert actual or intended Country of Registration along with Registration Details]*

4. Tenderer's Year of Registration: *[insert Tenderer's year of registration]*

5. Tenderer's Legal Address in Country of Registration: *[insert Tenderer's legal address in country of registration]*

6. Tenderer's Authorized Representative Information

Name: *[insert Authorized Representative's name]*

Address: *[insert Authorized Representative's Address]*

Telephone/Fax numbers: *[insert Authorized Representative's telephone/fax numbers]*

Email Address: *[insert Authorized Representative's email address]*

7. Attached are copies of original documents of: *[check the box(es) of the attached original documents]*

- Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITT Sub-Clauses 4.1 and 4.2.
- 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
- PAN NUMBER
- GST Number

**(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 of all materials for Design of 11 KV / 433V, 500 KVA, Package Outdoor Type Sub-Station comprising of: <u>HV Compartment</u> comprising of 3 Nos. of 11 KV, 630A, 25 KA, 3 Phase 50 HZ SF6 insulated circuit breaker with standard accessories as per Technical specification schedule 'A', a) with P.T. -1No. <u>Transformer compartment:</u> 11 KV/433V, 500 KVA, DYn II, Dry type Resin cast Transformer with standard accessories. <u>LV compartment comprising of 1 No. of 433V, 1000A, 4 pole, 50KA, ACB and 1 No. APFC unit and 2 Nos. 630 Amps MCCB, 2Nos. 400 Amps MCCB, 2 Nos. 250 Amps MCCB, 4 Nos. 100 Amps MCCB with standard accessories as per Technical specification of Schedule 'A'. Compact substation shall be positioned with necessary M.S channel fabrication work and flooring work.</u>	Set	1		
2.	Installation, testing and commissioning of above (Sl.No.1) with all accessories as per Technical specification schedule 'A'.	Set	1		
3.	Supply of all materials for Design of 11 KV, 630A, 25KA, 3 Phase 50 HZ Vacuum circuit breaker and all other accessories (outgoing Feeder) at C - substation as per Technical specification schedule 'A'.	No.	2		
4.	Installation, testing and commissioning of above (Sl.No.3) with all accessories as per Technical specification schedule 'A'.	No.	2		
5.	Supply of H.T. 11KV, 3 C X185 Sq.mm. XLPE U.G. Alu. cable as per Technical specification of schedule 'A'.	Mtr.	4,500		
6.	Laying of H.T. 11KV, 3 C X185 Sq.mm. XLPE U.G. Alu. cable as per Technical specification of schedule 'A' Through existing RCC cable Trench.	Mtr.	80		
7.	Laying of H.T. 11KV, 3 C X185 Sq.mm. XLPE U.G. Alu. cable as per Technical specification of schedule 'A' Through RCC Troughs with Earth excavation	Mtr.	4290		

8	Laying of H.T. 11KV, 3 C X185 Sq.mm. XLPE U.G. Alu. cable as per Technical specification of schedule 'A' Through Installation of RCC Hume pipe with Cutting Concrete road / Cutting Tar road / Cutting Concrete.	Mtr.	100		
9	Laying of H.T. 11KV, 3 C X185 Sq.mm. XLPE U.G. Alu. cable as per Technical specification of schedule 'A' Through Crossing Rail line with RCC Hume pipe	Mtr.	30		
10.	Supply of Heat Shrinkable Straight through joint kit for H.T. 11KV, 3 core X 185 sq. mm. XLPE UG Aluminum Cables.	Nos.	10		
11.	Installation and testing and commissioning of Heat Shrinkable Straight through joint kit for H.T. 11KV, 3 core X 185 sq. mm. XLPE UG Aluminum Cables.	No.	10		
12.	Supply of Indoor type heat shrinkable End termination kit for H.T. 11KV, 3X185 sq. mm. XLPE UG Aluminum Cables.	No.	06		
13.	Installation and testing and commissioning of Indoor type heat shrinkable End termination kit for H.T. 11KV, 3X185 sq. mm. XLPE UG Aluminum Cables.	NO.	06		
14.	Supply of 3.5 core 185 Sq.mm. LT Aluminum XLPE cable including end terminations accessories as per Technical specification of schedule 'A'	Mtrs.	380		
15.	Laying of 3.5 core 185 Sq.mm. LT Aluminum XLPE cable as per Technical specification of schedule 'A' Through RCC Troughs with Earth excavation.	Mtr.	368		
16.	Laying of 3.5 core 185 Sq.mm. LT Aluminum XLPE cable as per Technical specification of schedule 'A' by Installation of RCC Hume pipe with Cutting Concrete road / Cutting Tar road	Mtr.	12		
17.	Supply of Heat Shrinkable Straight through joint kit for L.T. 1.1KV, 3 ½ X 185 Sq. mm XLPE Aluminum cable as per Technical specification of schedule 'A'.	No.	3		
18.	Installation of Heat Shrinkable Straight through joint kit for L.T. 1.1KV, 3 ½ X 185 Sq. mm XLPE Aluminum cable as per Technical specification of schedule 'A'.	No.	3		
19.	End terminations of L.T. 1.1KV, 3 ½ X 185 Sq. mm XLPE Aluminum cable and connect in the panels, CSS and feeder pillar, testing and commissioning of cable including glands,	L.S.	L.S.		



	Lugs and other accessories as per Technical specification of schedule 'A'.				
20.	Supply of stainless steel out door type, 6 way feeder pillar as per schedule 'A'.	No.	2		
21.	Installation of stainless steel out door type, 6 way feeder pillar as per schedule 'A'.	No.	2		
22.	Supply of Battery charger unit including 2 Nos.12V, 2 Hrs. back up with suitable rating of Maintenance free Battery as per Technical specification of schedule 'A'	Set	1		
23.	Installation and testing and commissioning of Battery charger unit including 2 Nos.12V, 2 Hrs. back up with suitable rating of Maintenance free Battery as per Technical specification of schedule 'A'	Set.	1		
24.	Supply of electrical materials of 11 KV Grade rubber hand gloves and accessories as per IER.	Pair	2		
25.	Supply of First aid box.and accessories as per IER.	No.	2		
26.	Supply of Shock treatment chart and safety rules installation with suspension clamp and front clear plastic sheet lamination and accessories as per IER.	No.	2		
27.	Supply of Fire extinguisher- 1 No. and Fire bucket 4 Nos. with pedestal stand and accessories as per IER.	Set	1		
28.	Supply of all materials for providing of Cast iron pipe earthing with Copper plate in accordance with BIS 3043 / BS 7430 or latest and testing and commissioning as per Technical specification of schedule 'A'.	No.	4		
29.	Installation of the cast iron pipe earthing with all accessories as per Technical specification of schedule 'A'.	No,	4		
30.	Supply of all materials for providing of maintenance free earthing accordance with BIS 3043 / BS 7430 or latest as per Technical specification of schedule 'A'.	No.	2		
31.	Installation, testing and commissioning of maintenance free earthing accordance with BIS 3043 / BS 7430 or latest as per Technical specification of schedule 'A'.	No.	2		

32.	Supply of 100mm x 6 mm G.I. flat for 500 KVA, Package indoor Sub-Station and VCB panel as per Technical specification of schedule 'A'.	Mtr.	150		
33.	Laying and testing and commissioning of 100mm x 6 mm G.I. flat for 500 KVA, Package indoor Sub-Station and VCB panel as per Technical specification of schedule 'A'	Mtr.	150		
34.	Supply of 25mm x 6 mm G.I. flat for feeder pillar earths as per Technical specification of schedule 'A'.	Mtr.	20		
35.	Laying and testing and commissioning of 25mm x 6 mm G.I. flat for feeder pillar earths as per Technical specification of schedule 'A'.	Mtr.	20		
<b>Total Amount in Rs.</b>					

- Note:** i) The rate quoted by the firm shall be inclusive of all taxes and duties excluding GST.  
ii) The firm shall furnish the Tax invoice for GST separately as per GST Act / Rules.

**Firm's Signature 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 for Coastal Berth**
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 for Coastal Berth 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	<p>Design, Supply, Installation, testing and commissioning of 11 KV / 433V, 500 KVA, Package Outdoor Type Sub-Station comprising of:</p> <p><u>HV Compartment</u> comprising of 3 Nos. of 11 KV, 630A, 25 KA, 3 Phase 50 HZ SF6 insulated circuit breaker with standard accessories as per Technical specification schedule 'A'. a) with P.T. -1No.</p> <p><u>Transformer compartment:</u> 11 KV/433V, 500 KVA, DYn II, Dry type Resin cast Transformer with standard accessories.</p> <p><u>LV compartment comprising of 1 No. of</u> 433V, 1000A, 4 pole, 50KA, ACB and 1 No. APFC unit and 2 Nos. 630 Amps MCCB, 2 Nos. 400 Amps MCCB, 2 Nos. 250 Amps MCCB, 4 Nos. 100 Amps MCCB with standard accessories as</p>	1	Set.	Chennai Port Trust, Chennai – 600 001	180 days from the 7 <sup>th</sup> day of issue of order	

	per Technical specification of Schedule 'A'. Compact substation shall be positioned with necessary M.S channel fabrication work and flooring work.					
2	Design, Supply, Installation, testing and commissioning of 11 KV, 630A, 25KA, 3 Phase 50 HZ Vacuum circuit breaker and all other accessories (outgoing Feeder) at C - substation	2	Nos.			
3	Supply of H.T. 11KV, 3 C X185 Sq.mm. XLPE U.G. Alu. cable	4,500	Mtrs.			
4	Supply, installation and testing and commissioning of Heat Shrinkable Straight through joint kit for H.T. 11KV, 3 core X 185 sq. mm. XLPE UG Aluminum Cables	10	Nos.			
5	Supply, installation and testing and commissioning of Indoor type heat shrinkable End termination kit for H.T. 11KV, 3X185 sq. mm. XLPE UG Aluminum Cables A'.	6	Nos.			
6	Supply of 3.5 core 185 Sq.mm. LT Aluminum XLPE cable including end terminations accessories	380	Mtrs.			
7	Supply and installation of Heat Shrinkable Straight through joint kit for L.T. 1.1KV, 3 ½ X 185 Sq. mm XLPE Aluminum cable	3	Nos.			

8.	End terminations of L.T. 1.1KV, 3 ½ X 185 Sq. mm XLPE Aluminum cable and connect in the panels, CSS and feeder pillar, testing and commissioning of cable including glands, Lugs and other accessories	L.S	L.S.			
9.	Supply and installation of stainless steel out door type, 6 way feeder pillar as	2	Nos.			
10	Supply, installation and testing and commissioning of Battery charger unit including 2 Nos.12V, 2 Hrs. back up with suitable rating of Maintenance free Battery	1	Set			
11	Supply of following electrical materials and accessories as per IER (i) 11 KV grade rubber hand gloves (ii) First aid box (iii) Shock treatment chart and safety rules installation with suspension clamp and front clear plastic sheet lamination (iv) Fire extinguisher- 1 No. and Fire bucket 4 Nos. with pedestal stand	Pair No. No. Set.	2 2 2 1			
12	Providing of Cast iron pipe earthing with Copper plate in accordance with BIS 3043 / BS 7430 or latest and testing and commissioning	4	Nos.			
13	Providing of maintenance free earthing accordance with BIS 3043 / BS 7430 or latest	2	Nos.			

14	Supply, laying and testing and commissioning of 100mm x 6 mm G.I. flat for 500 KVA, Package indoor Sub-Station and VCB panel	150	Mtrs.			
15	Supply, laying and testing and commissioning of 25mm x 6 mm G.I. flat for feeder pillar earths	20	Mtrs.			

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 install 11 KV / 433V Compact substation system at coastal berth in Chennai Port Trust for providing of power supply to coastal berth area. The said substation will receive H.T. power supply from C - substation and cater to the power supply for coastal berth.

**2.0. ELIGIBILITY CRITERIA:**

**PRE-QUALIFICATION CRITERIA / BIDDING CONDITION**

- i) The **Average Annual Financial Turnover** during the last Three (3) years ending 31<sup>st</sup> March 2018 should be at least **INR Rs.51,43,535** /-. 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 2015-16, 2016-17 and 2017-18).
- 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.1,37,16,092** /- ; ie 80% of the total contract value  
(OR)
  - b) **Two** similar completed works of contract value not less than **Rs. 85,72,558** /- **each** ie 50% of the total contract value  
(OR)
  - c) **Three** similar completed works of contract value not less than **Rs. 68,58,046** /- **each** ie 40% of the total contract value

'SIMILAR' Works – means "carried out Supply and Installation of HT Electrical works or supply and installation of HT / LT electrical works".

iii) Copy of valid EA Grade electrical license in the Firm's name

**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.

## **2.0 SCOPE OF WORKS:**

1. Design, Supply, Installation, testing and commissioning of 11 KV / 433 V, 500 KVA outdoor type package substation with Copper wound Resin cast dry type transformer, SF6 insulated circuit breakers, ACB, MCCBs, APFC, Tri vector meter, MFM, numerical relay Providing Charger unit with maintenance free batteries and other safety equipments with standard accessories etc.
2. Design, Supply, Installation, testing and commissioning of 11 kV, 630 A, indoor VCB with Panel, Tri vector meter, numerical relay and all other accessories at C - substation.
3. Supply and laying of H.T. and L.T. cables,
4. Supply and making Heat shrink straight through joints and end terminations with all other accessories, testing and commissioning of H.T. / L.T. cables.
5. Supply, Installation and testing and commissioning of the outdoor type L.T. stainless steel feeder pillar as per **IS – 3043**.
6. Supply and installation copper PIPE Earthing, maintenance free earth and laying of Earthing Flats, testing and commissioning. All the materials and accessories shall be supplied and executed as per relevant IS Standard and IER by the contractor.
7. Supply and installation of safety equipment as per relevant IS Standard and IER.
8. Letter writing for CSS, VCB panel and feeder pillar.
9. The work shall be executed as per the direction of EIC (Engineer in Charge)

### **Note:-**

The transport arrangement for materials to site is at own cost of the contractor.

## **3.0 STANDARDS**

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

## **4.0. TECHNICAL SPECIFICATIONS :-**

### **500 KVA OUTDOOR TYPE (PACKAGED) COMPACT SUBSTATION:**

Design, manufacture, supply, installation, testing and commissioning of packaged substation suitable for marine atmosphere. The prefabricated packaged substation shall be designed for compactness, fast installation, maintenance free operation and maximum safety for operator / workers.

The panels shall be manufactured as per relevant latest IEC/IS standard and the design and operational features will comply with the provision of latest version of Indian Electricity Act, Indian Electricity Rules, Factory Act and Fire Insurance Regulation.

The specification covers technical and constructional details of outdoor type Packaged Substation Unit which shall be capable of performing satisfactorily in open atmosphere/heavy dust atmosphere with high relative humidity. The Packaged Substation Unit shall be compact in size, transportable, light weight rugged and of robust construction and capable to withstand rough use in highly humid areas and suitable for use in outdoor location. It shall be installed and overall dimension shall be kept to minimum as far as practicable. Similar capacity package substation type test report shall be submitted for verification of enclosure thickness and clearance. The Package Substation Unit shall be manufactured as per standard.

Access to the operating bay and to the transformer shall be avoided with double doors. Compartments of HT / LT Doors shall be provided with pad locking arrangement. Internal lighting with door operated switch shall be provided for each compartment separately and safety notices shall be provided.

The main components of a prefabricated-unitized substation are Transformer, High-voltage switchgear-control gear, Low-voltage switchgear-control gear, corresponding interconnections (bus bars) & auxiliary equipment. The components shall be enclosed in common enclosure. All the components shall comply with their relevant IS/IEC standards. It is mandatory to use Manufacturer's own make switchgear inside the CSS.

Incoming cable entry provision in the SF6 insulated circuit breakers for incomers and outgoing connected to CSS's Transformer with insulated copper bus bar. The primary control of Cast Resin Dry type copper winding Transformer with over current short circuit and earth leakage protection. The SF6 insulated circuit breaker compartment contain numerical relay, Tri vector meter and all other accessories.

The transformer and HT switchgear and LT switch gear shall be connected with copper bus bar with suitable size to withstand short circuit current.

LT side of the Transformer to be provided MFM and all other accessories.

Weather proof sheet steel enclosure with skid base, provision for lifting arrangement.

To avoid entry of rodent in the transformer compartment stainless steel mesh shall be provided from inner side of louvers. Adequate ventilation shall be provided. Measuring instruments with CTs & PTs for HT and LT side.

Potential transformer and Current transformers shall be of dry type.

HT – PT  $11000/\sqrt{3}$ ,  $110/\sqrt{3}$ , CT incomer 300/1/1.

LT – CT shall be providing 1000/5 Amps.

Internal Arc tested of 21KA / 0.2 sec as per latest IEC 62271-202

2 Nos. 230V AC space heater with suitable rating, ON/OFF switch and thermostat control. Current density 1.5 A / Sq.mm for calculation the size of copper bus bars. All the bus bar shall be tin coated and insulated.

### **Off Load Tap Changer Transformer:**

500KVA, double wound dry type Resin Cast transformer complete with all fittings and accessories. The input / output to the Transformer for specified KV. The output of the Transformer to the LT panel shall be connected with rated copper bus bar. A common under base on which the above HT cubicle, Transformer and LT panel are assembled and inter connection made as mentioned above. The under base shall be provided with steel base and fitted with lifting and haulage lugs.

The equipment covered by this specification shall, unless otherwise stated to be designed, constructed and tested in accordance with latest revisions of relevant Indian standards / IEC publications.

- IS 1271 - Classification of Insulating Materials.
- IS 2026 - Power transformers (part I - V)
- IS 2099 - Bushing for alternating voltages above 1000 V
- IS 2705 - Current transformers
- IS 3202 - Code of practice for climate proofing
- IS 3639 - Power transformer fittings and accessories
- IS 4257 - Porcelain bushings for transformers
- IS 11171 - Dry Type Transformer
- IS 8478 - Application guide for tap-changers
- IS 10028 - Code of practice for selection, installation and

maintenance of transformers.

The transformer shall be dry type Resin Cast only and of latest design with off load Tap changer.

The transformer shall be suitable for operation at full rated power on all tapings without exceeding the applicable temperature rise.

It shall be possible to operate the transformer satisfactorily, with the loading guide specified in IS-6600. There shall be no limitations imposed by bushings, tap changers, auxiliary equipment to meet this requirement.

The transformer shall be designed to be capable of with-standing, without injury, the thermal and mechanical effects of short-circuits between phases or between phase and earth at the terminals of any winding with full voltage applied across the other winding for periods given in relevant standards. There shall be no limitations imposed by any part/component of the transformer off load tap links to meet the short circuit level Specified.

The transformer shall be designed for minimum no-load and load losses within the economic limit and shall be able to have minimum loss at the rated load condition.

All electrical connections and contacts shall be of ample cross sections for carrying the rated current without excessive heating.

The transformer shall be capable of continuous operation at full load rating.

The core-clamping frame shall be provided with lifting eyes having ample strength to lift the complete core and winding assembly.

Off circuit tapings shall be provided on the HV windings. Tap changing is done by means of off-circuit links accessible through openings provided.

The lifting lugs and rollers shall be provided. A winding temperature scanner shall be provided and shall be actuated by means of resistance temperature detectors embedded in LV windings of all three phases. It shall have alarm and trip contacts at a specified temperature.

Windings shall be of **electrolytic copper conductors** (circular in shape) of high conductivity and 99.9% purity.

Windings shall be designed to withstand the specified thermal and dynamic short circuit stresses.

The windings shall be duly sectionalized. Accessible joints brazed or welded and finished smooth shall connect similar sections. No corona discharge shall result on the winding upon testing the transformer for induced voltage test as specified in IS.

The end turns of the high voltage windings shall have reinforced insulation to take care of the voltage surges likely to occur during switching or any other abnormal condition.

The high voltage and low voltage winding are shall be made of copper Conductors.

The packaged substation with all accessories, fittings and auxiliary equipment in an enclosure shall consist of:

- a) HT Compartment.
- b) 11 KV / 433 V Dry Type Resin Cast OFF load tap changer Transformer compartment with copper Windings.
- c) LT Compartment.
- d) APFC (Microprocessor Based) Capacitor Panel.

### **Ratings of CSS:**

Output in KVA	:	500 KVA double copper wound, (Cast Resin Type).
Rated No load voltage ratio	:	11KV/433 Volts
No. of phase	:	03
Rated frequency	:	50 Hz
Connections	:	Primary – Delta
	:	Secondary – Star with Neutral
Vector Group	:	DYn11
Tapings on HV Side	:	±5% in steps of 2.5%

Type of Tap changer : Off circuit tap links on HV side.  
 Cooling : Naturally cooled (AN)

LT Side - 2 Nos. earthing terminals, rating & Fittings diagram plate, bidirectional rollers, lifting lugs, winding temperature scanner.

winding over ambient temp : 90°C  
 Insulation Class : F  
 Percentage Impedance : 5%  
 Paint : Enamel (Siemens Grey)  
 Transformer losses : The

transformer shall be so designed it should have minimum losses and it shall be submitted by the Bidder along with bid the calculation.

Description	Unit	Value
Rated Ingress protection class of Enclosure	IP:	IP:54 for LT Switchgear & HT Switchgear compartments and IP-34 for Transformer compartment. Enclosure shall be IP 23.
<b>HV Insulation Level</b>		
Rated withstand voltage at power frequency of 50 Hz	kV rms	28
Rated Impulse withstand Voltage	kV peak	75
Rated current	Amp	630A
Rated short time withstand current	kA rms / 3sec	21
Making capacity for switch-disconnector & earthing switches	kA peak	52kA
<b>LV Network</b>		
	Amp	1000A
LV Incomer: 1No. 4 pole 1000Amps. electrically / manually operated fixed type ACB with thermal magnetic release.		

**Enclosure GTP:**

1)	<b>Ambient Temperature</b>	40° C
2)	Type of Ventilation for Normal Condition Hot Condition	- Natural - Natural
3)	Compartmentalized	Yes

4)	Rated temperature enclosure class	K10
5)	Applicable Standard	IEC62271-202
6)	Enclosure material	Galvanized sheet Steel
7)	Thickness of sheet (GI only)	Similar as per standard and type test report shall be submitted for verification of enclosure thickness and clearance.

**L.T. COMPARTMENT:**

LT compartment shall complete in all respects with all equipment fittings and accessories including internal wiring for efficient and trouble free operation as required. LED displays, alarm display for microprocessor fault, interlocking, etc. complete as required.

The LT shall be the integral part of the Package Substation Unit and suitable for outdoor use. This shall be suitable to receive power at 433 V, 50 Hz, AC, 3 phase and restricted earth neutral system and L.T. panel shall be comprising of the following:

Incomer	
1000A, 4P, ACB, 50 KA	: 1 No.
Outgoing	
630A,4P, MCCB, 50 KA	: 2 Nos.
400A,4P, MCCB, 50 KA	: 2 Nos.
250A,4P, MCCB, 50 KA	: 2 Nos.
100A,4P, MCCB, 50 KA	: 4 Nos.

Air Circuit Breakers (ACB) shall be with fault level of 50 KA for 1 Sec., copper bus bar, spring charging operating mechanism, microprocessor based overload, short circuit and earth fault protection releases with variable setting ranges from 50–100%. The MCCB shall be microprocessor based over load release and short circuit protection. All the MCCB shall be as per IS 13947 the variable setting ranges from 80–100 % All the breakers shall have current limiting and isolation features. The L.T. compartment shall be provided MFM, indicating lamps and ON/OFF push buttons.

**NOTE:**

Type Test Certificate of Similar type (ACB) & Rating shall be submitted by the successful tenderer. The MCCBs shall be connected with outgoing cables.

**300 KVAR APFC Capacitor Panel:**

The capacitor panel shall be an integral part of package substation. The Capacitors control panel shall be of automatic switching type with facilities for manual control. The panel shall be a cubical type metal clad board equipped with Microprocessor based intelligence version APFC relay with 3 phase CT sensing, Switch Fuse Units with HRC

fuses (feeder Control), Heavy duty contactors and metering equipment and controlling banks of capacitor mounted in ventilated compartments with IP:54 protections with bottom lowers. The switch units, contactors, etc. shall be selected to suit Capacitor ratings. The panel shall be capable of switching ON / switching OFF capacitor bank in stages with on delay timer. The APFC relay provided in the panel shall be three phase sensing power factor on 433V bus and there upon switch ON/switch OFF.

The panel shall be inbuilt in Compact substation with separate compartments for incoming outgoing control switches or the capacitor banks. A continuous earth bar shall be provided to which the individual capacitor banks shall be connected. All main bus bar connection shall be of Copper. Panel shall be painted with Epoxy primer and Epoxy paint after an accepted metal treatment process.

The switching of capacitor bank by a re-strike free breaker shall not cause first peak of transient over voltage not to exceed  $2\sqrt{2}$  times the applied voltage (rms) for maximum duration of 1/2 cycle and shall be suitable for performing 5000 switching operation/year under these conditions.

LT capacitor banks shall be provided on the LT buses in proposed sub-station to improve the power factor from 0.8 to 0.98 and above lagging.

LT Capacitor banks of suitable rating shall be provided directly at incoming side of incomer breakers of LT panel to compensate the reactive load of transformers and to maintain power factor above 0.98 even when no motor is in operation. Contractor shall furnish the calculation for suitability of capacitor bank range.

The rated voltage of 3 phase capacitor bank shall be 433 V (Phase to Phase) and 230 V (Phase to Ground). The capacitor offered shall be non self-heating type, super heavy duty long life MPP type conforming to IS 2834 and IS 13585.

Capacitors banks are to be built up from individual single phase units suitably interconnected and housed in a metal enclosure to form a single 3 phase bank Capacitor. Capacitors having low Loss/KVAR shall be preferred.

Capacitors shall be suitable for operation at power frequency voltage level and for power frequency plus harmonics such that current does not exceed the values specified in clause 6.2 Annexed C & E of IS 13585.

Capacitor modules shall be provided with in-built MCCB to isolate individual faulty units from the total bank. Capacitors are also to be provided 0.2% series Reactor to limit the fault current or inrush current during switching operations along with ON delay timer on individual feeder.

Capacitors shall be provided with directly connected discharge device suitable to reduce the residual voltage from crest value of the rated voltage to 50 volts or less within 1 min after the same is disconnected from the supply.

For enabling the metal container to carry fault current in the event of breakdown of container, this container shall be provided with a connection capable of carrying the fault current.



Relay shall be suitable for operation at low load and current sensitivity shall be equivalent to 1%.

The capacitor should be of rating as

1. 100 KVAR – 1 No.
2. 50 KVAR – 2 No.
3. 20 KVAR – 3 No.
4. 10 KVAR – 4 No.

to provide 300 KVAR for a gradual increase in steps by step to maintain power factor above 0.98.

The rating of capacitors in accordance with IS 13585 shall be submitted by the successful Bidder.

**Tests:**

(i) Type test certificate for similar type & Rating of Compact Package Substation manufactured as per IEC 61330/62271-202 be submitted by the successful tenderer.

(ii) The Routine and Field test shall be arranged by the Contractor and carried out on Compact Package Substation as per latest relevant IEC / IS Standards. The Certified copies of test certificates shall be submitted before despatch.

(iii) The package sub-station shall be designed to meet the similar rating of type test.

(iv) All the tests shall be carried out as per relevant IS specifications and IER 1956 before charging the Transformer.

(v) After installation of CSS testing and commissioning shall be done as directed by Engineer in charge.

**Painting and Fabrication process:**

a) The paints shall be carefully selected to withstand tropical heat, rain. The paint shall not scale off or crinkle or be removed by abrasion due to normal handling. For this purpose, powder coating shall be used.

b) Special care shall be taken by the manufacturer to ensure against rusting of nuts, bolts and fittings during operation. All bushings and current carrying parts shall be cleaned properly after final painting.

c) The fabrication process shall ensure that there are no sharp edges on the GI sheets used.

All enclosures metal frames of package substation, HV switchgears, transformer, LT switchgears and capacitor panel are to be connected to the earth system. Continuity of the earth system shall be ensured taking into account the thermal and mechanical

stress caused by the current it may have to carry. Highest degree of protection to equipment and persons shall be provided. Labels for warning and operating instructions etc. shall be provided.

All equipment and material shall be designed, manufactured and tested in accordance with latest IEC Standards. The high / low voltage prefabricated package substation shall comply with and tested as per IEC 61330/62271-202

The switchgear components shall be capable of withstanding mechanical and thermal stress of short circuit without any damages or deterioration of materials.

For continuous operation of specified ratings temperature rise of various switchgear components shall be limited to permissible values stipulated in the relevant standards/codes and this specification.

Earthing arrangement shall be provided for earthing of each cable, glands, star point of Transformer, chassis & framework of the Compact SS with separate earthing terminals at two ends. Earthing Strip shall be of hot dip GI of size 100mmx6mm for Body & Neutral protected against corrosion and readily accessible. The strip shall be connected to earthing terminals with Stainless Steel nut – bolts. Separate Earthing for Body and Neutral shall be provided (Two each)

#### **5.0 SUPPLY OF HT VCB WITH PANELS AT C - SUBSTAION:**

HT panel shall be modular design, panel type suitable for 2 Nos. 11 KV, VCB for as outgoing mounting on a common under base with suitable cable entry box arrangement for 185 sq.mm XLPE cables. Necessary control Protection and metering circuits are completely assembled, wired and enclosed in a weather and dust proof cubicle. The equipment shall be suitable for indoor installation in highly humid area.

The HT Panel shall be sheet steel enclosed, dust and vermin proof, suitable for indoor use. This shall be suitable to receive power at 11 KV, 50 Hz, 3 phase AC with all equipment fittings and accessories for efficient and trouble free operation.

11KV, 630A VCB The self-tripping mechanism with numerical relay with IDMT, over current, earth fault and Instantaneous protection including TVM and all others panel's indications lamps. 11KV CTs of 300/1/1 ratio with suitable VA burden and accuracy class 1.0 for metering, 5P10 for protection conforming to IEC 60185.

Incoming cable entry box shall be provided for the required cable entry.

- |    |                        |       |
|----|------------------------|-------|
| a) | System rated voltage   | 11 kV |
| b) | System maximum voltage | 12 kV |
| c) | Frequency              | 50Hz  |
| d) | Insulation level       |       |

- i) 1.2/50 microsecond Impulse 75 kV peak withstand voltage
- ii) One minute power frequency 28 kV rms withstand voltage
- e) Continuous Rated current
  - i) Bus bar 630 A
  - Incoming/outgoing circuit breaker 630 A
- f) Short time current for 3 25 kA rms seconds
- g) Circuit breaker Quantity Two outgoing
- h) Rated breaking capacity 21 KA / 1 Sec. Symmetrical.
  - i) Rated making capacity 52.5 KA
  - ii) Total breaking time 7 cycles maximum
  - iii) Operating sequence As per IS/IEC
- j) Current Transformer
  - i) For Relay 5P10/15 VA (Min)
  - ii) For Metering 1 / 15VA
  - iii) Insulation Level 75 kV Peak / 28 KV rms
  - iv) Insulation Class F
  - v) Reference Standards IS:2705
  - vi) Ratio 300 /1 /1

The panel shall be provided with two earthing terminal, necessary inter-connection, control wiring and shall be complete with finishing paint etc. & conform to relevant IS. The neutral system comprising of housing of breaker, safety shutters, isolating plugs and socket and VCB trolley with 3 Nos. vacuum interrupters with safe aligning finger

type, isolating contacts suitable for vertical isolation and horizontal draw out. VCB included 3 phase, 3 limb, draw out feeder connected PT.

- (i) Type of charging : Manual as well as motorized Mechanism with 230V AC Operated motor.
- (ii) One No. Shunt trip coil : 24V DC
- (iii) One No. closing coil : 24V DC
- (iv) One No. bus bar chamber with 630 A copper bus bar, heat shrinkable PVC sleeved / powder coated with color code. The current density 1.5 Amps/sq mm. The bus bar shall be high conductive electrolyte copper.
- (v) 2 Nos. 230 V AC space heater with ON-OFF switch and thermostat.
- (vi) 3 Nos. epoxy cast resin CTs with 15VA burden STR of 25 KA for 1 sec. metering accuracy class 1 and protection accuracy 5 P10 and having of CTR 300 /1-1 for Incomer.
- (vii) The Tri vector meters shall be consist of Amps, Volts, KVA, KW, KWHr, KVAR, PF, Frequency and etc.
- (viii) One set of breaker ON-OFF LED indicating lamp.
- (ix) One No. trip circuit healthy indicating LED indicating lamp with push button.
- (x) No. Spring charged LED lamp indication.
- (xi) One No. TNC (trip neutral close) switch.
- (xii) Numerical relays consist of IDMTL + Inst 3 O/C + Inst E/F relay – 1No. Master trip - 1 No.
- (xiii) 2 sets of operating handle, spring charging handle and other required accessories shall be supplied.
- (xiv) One No. Cable Box suitable from receiving of 3CX185 Sq.mm H.T. XLPE Cables.
- (xv) One No. panel illumination lamp.
- (xvi) Hooter for tripping.

All necessary protection fuses / MCCB for the instruments and relays shall be provided separately inside the enclosures suitable capacity. The outgoing VCB with necessary interconnection with fine wiring, feruled properly, Earthing, etc. The layout drawing dimensional drawings and electrical wiring diagram and operation maintenance manuals

in duplicate shall be supplied with VCB. The VCB shall be supplied in conformity with relevant IS & IEC with up to date amendments along with manufacturer's / authorized system house test certificate shall be produced. The VCB panel shall be delivered after EIC acceptance certificate. HT copper bus bar shall have electrolytic grade of 630 Amps rating for three phases including color code and PVC sleeving. All the HT bus bar shall be supported on Hylem / epoxy insulators. The Bakelite sheet of 12 mm thickness (minimum) shall be provided in side enclosures of panel and wherever it is found necessary under relevant IS specification & IER-1956 rules.

**Note:-**

Test certificates shall be submitted along with the supply of VCB panels by the contractor from the manufacturer / system house.

After installation of HT VCB panels testing and commissioning shall be done as directed by  
Engineer in charge.

**6.0 SUPPLY OF 11 KV 3 core x185 sq. mm XLPE H.T. CABLES**

This includes supply at site and laying **2 run** of HT, 11 KV, XLPE(E) armored Cables with aluminium Conductor of size 3 core x 185 sq. mm. with ISI mark conforming to IS: 7098 (part II)- 1985 with latest amendments of approved makes. Cable shall be supplied max. permissible length to avoid cable joint. The price quoted by the contractor shall be inclusive of all taxes, levies, excise duty, transportation, insurance charge, octroi, etc. and shall be firm. No escalation in the rate of cable shall be accepted at a later stage. The rate quoted shall be per meter length of the cable. Running meter shall be embossed on the cable. The quantity of the cable measurements shown are tentative and varies according to site condition. The contractor is required to assess the actual requirement before procuring the cable.

**Note:-**

Test certificates shall be submitted along with the supply of cable by the contractor from the manufacturer / distributor.

**7.0 LAYING OF 11 KV 3 core x185 sq. mm XLPE H.T. CABLES:**

Laying of H.T. 11KV, XLPE (E) 3C x 185 sq. mm aluminium conductor armored cables are to be laid as per IS: 1255 and as detailed under:

(i) The cable shall be laid in the existing cable trench / Pre cast cable trench by opening the slab covers and re closing the same without damaging the slab after laying of the cable.

(ii) The cable shall be laid through earth the excavation of earth is not less than 60 cm width x 90 cm depth to lay each run of the cable through RCC cable trough. The earth excavation the contractor shall be provided separate RCC cable Troughs for each run of cable. The cable shall be laid through cement Concrete road / cement concrete / Tar road / Rail way line crossing the size of the excavation / cutting is not less than 60

cm width x 100 cm depth to lay each run of the cable shall be maintained. For cement Concrete road / cement concrete / Tar road / Rail way line crossing Hume pipe shall be provided and shall be supplied by the Contractor. The size of Hume pipe shall of 16 cms. in diameter for each run of cable. The Hume pipe shall be laid at an angle to avoid sharp cable bends at the point of entry and exit. The cement Concrete road / cement concrete / Tar road cutting shall be reclosed and refinished as per original as per direction of EIC.

Laying of cables inside the substation / building shall be done after removing the trench covers carefully. After laying the cable inside the trench, the trench shall be closed properly with the same cover which was removed already. If any damage is the responsibility of the contractor. The damaged slab should be replaced 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.

**NOTE:**

1. The contractor to inspect the site before coating the offer for laying of H.T. cable between C- substation and proposed coastal berth's CSS.
2. The proposed 11 KV 3 core x185 sq. mm XLPE H.T. CABLES is laying along and in between western side edge of the RCC road and M/s CITPL compound wall.

**8.0 H.T CABLE STRAIGHT THROUGH JOINT:**

The H.T. 11 KV 3 C x 185 sq. mm. XLPE(E) aluminium cable straight joint kit shall be done with heat shrink jointing kits of approved make. All jointing accessories and other material shall confirm to IS Specifications wherever available. On both sides of joint a loop of sufficient length of 3 to 5 Mtrs. shall be kept for future requirement.

This also includes housing of straight through joint in a R.C.C. chamber of adequate size and strength duly fitted with the pipe of suitable size at an entry and exit point of chamber to facilitate easy movement of cable. The chamber shall be covered with RCC slab of suitable thickness and strength. If the joint comes in the earth areas.

The cable shall be provided with suitable identification indicator mark. The work includes all labor and required material and shall be done as required by E.I.C.

**9.0 END TERMINATION OF H.T. CABLES:**

This includes providing and fixing end termination to HT 11 KV 3 C x 185 sq. mm. XLPE(E) aluminium conductor armored cable with heat shrink type indoor end termination kit with all accessories and other material shall be supplied by the contractor and confirming to relevant IS specification the additional length of cable shall be provided for loop of sufficient length (3 to 5 mtrs.) for future requirement before commencing and termination work. The work includes all labor and required material and shall be done as directed by E.I.C.

The work includes end termination of cables of HT cable with epoxy cable jointing kits & materials, lugs of all other accessories of approved make and labor etc. The work shall be done as directed by E.I.C. The complete work shall be carried out as per standards

of CEA. The heat shrink joints and end termination of the cables shall be installed by highly skilled personnel.

### **10.0 SUPPLY AND LAYING OF 3 ½ Core 185 sq.mm L.T. CABLES:**

The cable measurements are tentative and may vary according to site condition. Supply of 3 ½ 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 color for phases and Black color for Neutral core, extruded PVC inner sheathed, single layer of galvanized steel wire / strip armored, 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. After laying the cable inside the trench, the trench shall be closed properly with the same cover which was removed already. If any damage is the responsibility of the contractor. The damaged slab should be replaced 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.

The cable shall be laid in the existing cable trench / Pre cast cable trench by opening the slab covers and re closing the same without damaging the slab after laying of the cable. If any damage is the responsibility of the contractor. The damaged slab should be replaced as original.

The cable shall be laid through earth the excavation of earth is not less than 60 cm width x 60 cm depth to lay each run of the cable and covered with RCC cable trough. The earth excavation the contractor shall be provided separate RCC cable Troughs for each run of cable. The cable shall be laid through cement Concrete road / cement concrete / Tar road / Rail way line crossing the size of the cutting is not less than 60 cm width x 100 cm depth to lay each run of the cable shall be maintained. For cement Concrete road / cement concrete / Tar road / Rail way line crossing Hume pipe shall be provided and shall be supplied by the Contractor. The size of Hume pipe shall of 16 cms. in diameter for each run of cable. The Hume pipe shall be laid at an angle to avoid sharp cable bends at the point of entry and exit. The cement Concrete road / cement concrete / Tar road cutting shall be reclosed and refinished as per original as per direction of EIC.

#### **Note:**

Test certificates shall be submitted along with the supply of cable by the contractor from the manufacturers / distributor.

### **11.0 L.T Cable Straight through joint:**

The 3 ½ core 185 Sq.mm, Aluminium XLPE L.T. Cable L.T. straight through joint of cable shall be done with heat shrink joint kits of approved make. All jointing accessories and other material shall conform to IS Specifications wherever available. On both sides of joint a loop of sufficient length of 3 to 5 Mtrs shall be kept for future requirement. The work includes all labor and material required and shall be done as required by E.I.C.

## **12.0 END TERMINATION OF L.T. CABLES:**

The end termination of 3 ½ core 185 Sq.mm, Aluminium XLPE, 1100 Volt grade L.T. cables shall be of cable glands, crimping type lugs and other materials and accessories of approved make including labor etc. and shall be supplied by the contractor. The crimping type lugs shall be installed by highly skilled personnel. The complete work shall be carried out as per standards.

## **13.0 SPECIFICATION OF FEEDER PILLAR:**

- All the feeder pillars shall be of maintenance free, rust free to with stands costal /polluted atmosphere and heavy rains. It shall be completely water proof, vermin proof adequately ventilated, weather proof coating with rubber seal gaskets and other features for reliable performance in all outdoor application.
- Both the doors of front and back side of LT feeder pillar box shall have supplied with full detachable solid hinges allowing 180 degree opening and secured by a chrome plated door handle with tamper proof lock facility including lock.
- Both front and back side shall be capable of opening with panel key.
- The enclosure of LT feeder pillar box shall be 2.5mm, 304 stainless steel plate polished (Brushed)
- Danger symbol in front and back side of the feeder pillar box i.e. skull and bone figure along with DANGER – 415 VOLTS words.
- The top cover of the feeder pillar shall be Canopy type ceiling and stainless steel.
- The bottom pedestal of feeder pillar with all the four corners of the feeder pillar are supported by 500 mm height and 75mm x 75mm x 8mm M.S 'L' angle with round type base plate to give solid strength to the feeder pillar.
- The copper bus bars are coated with a layer of high quality tin. The Current density of the feeder pillar shall be 1.5 A / Sq.mm for calculation the size of copper bus bars. The current carrying capacity of the feeder pillar shall be 800 Amps. Rear mounted phase bus bars shall be insulated with colour code to ensure safety as well as ease of inspection, maintenance and installation of equipment through front – end jointing for all outgoing connections.
- Feeder pillar are designed to take care of all cabling arrangements through suitable cable clamps. The bottom plate of pillars is easy to detachable and provide knock out holes for entering different sizes of the cables as mentioned in required of feeder pillar box.
- These feeder pillar are tested for IP – 54
- To provide 2 Nos. earth terminals at bottom of the pillar. The earth stud fitted as standard.

To provide one no. maintenance free earth for each feeder pillar as per CEA and also conforming to IS. To connect earth electrode with feeder pillar box with 25\*6 mm G.I. flats.



It shall consist of 630 Amps DMC Fuse base of VEL type (Knife type) 80 KA breaking capacity with HRC fuse in following ratings,

(1) 2 Sets of 400 Amps, (2) 2 Sets of 300 Amps, 3) 2 Sets of 200Amps

### **SIZE OF FEEDER PILLAR BOX – 6 WAY**

**Width – 1000mm, height – 1500mm, depth – 600mm and root – 500mm (Approximately)**

**NOTE:-** contractor shall make own arrangement for civil work with materials and accessories to construct pedestal for erection of feeder pillar box work.

### **14.0 INSTALLATION OF CSS, VCB PANEL AND FEEDER PILLAR:**

The contractor shall maintain the floor level to erect the compact substation / HT VCB panel / Feeder pillar. It involves design, fabrication, installation work and civil work including required materials, accessories and labor charges shall be borne by the contractor.

### **15.0 SUPPLY AND INSTALLATION OF PIPE EARTH AND MAINTENANCE FREE EARTH:**

The earth system shall be designed and installed so as to meet the requirement of CEA. The value of resistance of earth system should not exceed value acceptable to the Central Electricity Authority.

The earth value shall be obtained accordance with relevant standards and the earth values shall be measured after installation in the presence of Trust Engineer.

All noncurrent carrying parts with conducting surface such as frame works of circuit breakers and High voltage switch gears, instrument transformer cases, cable glands, cable supports, any steel works of the compact packaging substation should be efficiently grounded for the protection of operating personnel by connecting to the earth ring bus with two distinct and separate earth leads.

The earth connection shall be made of G.I. of adequate size and section of the conductor conforming to IS 3043 to safe carry the maximum fault current for a short period without burning the conductor and pass on the fault current is in excess of this, addition earth connections under fault current and at no time the potential shall not exceed 10 volts between the equipment and earth. The system shall be mechanically robust and joints shall be capable of retaining low resistance even after many passages of fault current.

Interconnections and joints for earth conductors shall be bolted 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 specification of pipe earth and dimensions are separately enclosed in the drawing and installation as per relevant standard.

An earth bus ring shall be formed inside the compact packaging substation with 100mmx6mm G.I. flat. Ground leads shall not be embedded in concrete.

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 25 mm dia. and not less than 2.0 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-closes the bore.

A suitable brick cemented enclosure for each earth. The top surface of the earth pit shall be in level with the finished surface level of the surrounding area. 4 Nos. pipe earthing for compact packaging substation 2 Nos. for Neutral and 2 Nos. for Body earth. Earth pits shall be interconnected / connected with 100mm X 6 mm G.I. flat. Maintenance free earth 2 Nos. for feeder pillar. Earth pits shall be interconnected / connected with 25 mm / 6 mm. G.I. flat.

#### **16.0 SUPPLY AND LAYING OF GI FLAT:**

Supply and laying of 100 x 6 mm for CSS, H.T. VCB panel, between CSS and earth pit and 25 x 6mm GI flat for feeder pillar along with other materials and accessories with labor shall be borne by the contractor.

#### **17.0 COMPLETION PERIOD**

Entire work shall be completed within 180 days from the date of 7<sup>th</sup> day of issue of order.

#### **18.0 BATTERY CHARGER WITH MAINTENANCE FREE BATTERIES:**

Supply, Installation, Testing and commissioning of the battery charger unit with 2 Nos. 12 V with 2 Hrs back up with suitable rating Maintenance free battery. The battery charger shall be of floor mounting and air cooled type. The input supply of the unit shall be 230V / 250V. Single-phase AC 50HZ and the output supply of the unit shall be 24V DC. Suitable for tripping / closing / Indication.

#### **19.0 SPECIFICATION OF SAFETY EQUIPMENTS:**

The following safety equipment shall be supplied in the substation as per the IER.

### **19.1 FIRE EXTINGUISHERS:**

Adequate number of portable chemical fire extinguishers of carbon tetra chloride conforming to IS 935 latest versions shall be supplied and installed at the proposed 11KV substation.

### **19.2 FIRE BUCKETS:**

Fire buckets with M.S. angle stands each consists of 4 Nos. of round bottom fire buckets painted with red and marked fire and filled with clear dry river sand shall be supplied and installed at convenient locations at proposed 11KV substation. The fire extinguishers and fire buckets shall be provided conspicuously marked to comply with Indian Electricity Rules 4.3 of 1956.

### **19.3 FIRST AID CHART AND BOX:**

The first aid boxes and charts equipped fully with such contents as stipulated by the CEA conspicuously marked shall be supplied and installed in the switch gear room at 11KV proposed substations.

### **19.4 INSTRUCTION FOR RESTORATION OF PERSONS SUFFERING FROM ELECTRIC SHOCK:**

Instruction in English, Hindi and Tamil for providing artificial respiration as per CEA regulations shall be supplied and installed at convenient location in the proposed 11KV substations. Safety posters for vigilance against electrical accidents as per CEA regulations shall also be provided by the contractor.

### **19.5 RUBBER MAT:**

Suitable size of tested flexible rubber mat conforming to IS 5424 of 1994 shall be provided around the compact substation, VCB panel and L.T. panel.

### **19.6 RUBBER GLOVES:**

Required number of rubber gloves conforming to IS 4770 of 1991 and tested to 15KV shall be supplied and provided in the proposed 11KV substation.

### **19.7 CAUTION BOARD:**

Required number of Danger board / sticker of H.T. Voltage in three languages English / Tamil / Hindi are to be provided on the panel. The firm shall obtain necessary approval of the drawing of HT panel from Ch.P.T. before fabrication.

### **19.8 LETTER WRITING:-**

All incoming cables / all outgoing cables / P.T. & C.T., VCBs details, compact SS, feeder pillar and other distribution details as per directions of EIC shall be painted / readymade stickers with reflecting type by the contractor.

### **20.0 TESTS :-**

The 11 KV / 433Volt Compact substation, H.T. VCB panels, H.T. / L.T. cables and feeder pillars shall be tested as per relevant IS. Type test certificates shall also have furnished along with routine test certificates. Manufacturer's test certificates shall be furnished for major components.

## **21.0 DRAWING LIST:-**

Necessary drawings shall be prepared and submitted to EIC for approval before fabrication of CSS, H.T. VCB PANELS and FEEDER PILLARS and commencement of work after approval of EIC

All catalogues, technical drawings, details etc., for all the proposed Compact substation, H.T. & VCB panels with operation and maintenance manuals shall be furnished to the Trust's Engineer by the contractor.

## **21.0 LIST OF APPROVED MAKES FOR ELECTRICAL SPARES**

<b>S.No.</b>	<b>ITEM</b>	<b>Name of Manufacturers</b>
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

<b>S.No.</b>	<b>ITEM</b>	<b>Name of Manufacturers</b>
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 SOCOME/CONZERVE (ENERCON)/ SECURE
17	DWC HDPE Pipe	DURA LINE / CARLON / EMTELLE
18	Contactors	L&T / SCHNEIDER / SIEMENS/ABB / BCH
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 / or CPRI / ERDA APPROVED MANUFACTURER.
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

<b>S.No.</b>	<b>ITEM</b>	<b>Name of Manufacturers</b>
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 / VOLTAMP
43	Compact SS	ABB / SCHNEIDER / SIEMENS
44	LED Luminouar	PHILIPS/ CROMPTON/ HAVELLS/ BAJAJ
45	Insulation Tape	ANCHOR/ STEEL GRIP
46	Flush type switch	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 / ABB
52	5 Pin Socket	ANCHOR/ WONDER/ HAVELLS/MK
53	Single phase / three phase Energy meter	L & T / SECURE / HPL / GENUS / ABB
54	JET Motors/ Submersible motor	SUGUNA/ CROMPTON/ TEXMO/CRI
55	Static Frequency Convertor	ABB / GE / SIEMENS
56	Isolation Transformer	ABB / SIEMENS / KIRLOSKAR / VOLTAMP/CG

S.No.	ITEM	Name of Manufacturers
57	Trailing cable	UNICAB / ELASTRON/UNISTAR/NICCO

**Note :**

For any clarifications, the firm may contact Executive Engineer (ES) at II nd floor, Old Administrative office, Chennai Port Trust, Telephone Nos.25362428 (or) Dy.CME(ES) Telephone Nos.25362542 at II nd floor, Old Administrative office, Chennai Port Trust

**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.

#### **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 21<sup>st</sup> 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 21<sup>st</sup> 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 21<sup>st</sup> 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 :**

- i) Tenderers will examine the various provisions of the Central Goods & Services Tax Act-2017 (CGST)/ Integrated Goods & Services Tax (IGST)/ Union Territory Goods & Services Tax (UGST) respective State's State Goods & Services Tax Act (SGST) also, as notified by Central/State Government and as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates.
- ii) The rate quoted by the Contractor/Supplier shall be inclusive of all Taxes and Duties other than GST. Applicable GST will be paid by ChPT based on the Tax Invoice.
- iii) The Financial evaluation will be based on the total base price quoted by the Contractor / Supplier excluding GST.
- iv) The firm shall furnish the Tax invoices as per GST Act/Rules in the name of the Chennai Port Trust by mentioning the GSTIN of ChPT and indicating amounts of GST Separately. The GSTIN of ChPT is **33AAALC0025B1Z9**.
- v) The contractor /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 eligible Input Tax Credit (ITC).

vi) The contractor/ firm shall indemnify Chennai Port Trust from any loss of eligible ITC of GST paid by it to the Contractors/Suppliers based on their tax invoice, due to non-payment of GST or non-filing of GST returns by the contractor/firm or non-compliance of GST Act/provisions. The contractor/firm shall remit such GST amount with applicable interest and penalties to the ChPT within 7 days from the date of intimation by the ChPT about non-availing of eligible ITC. ChPT also reserves its right to deduct such GST amount with interest and penalties from the subsequent bills, Security Deposit or any amount due to the contractor by ChPT”.

vii) Applicable statutory recoveries including TDS under Income Tax, TDS under GST provisions etc., will be deducted/recovered while accounting for or making payment to the Contractor/Supplier as per the applicable law.

viii) If the Tenderer / Supplier who are default in GST compliance, ChPT will not accept for payment..

ix) Bill amount along with GST shall be paid if GST is reflected in the GST portal or if the tenderer / supplier submit Tax Invoice and copy of the GSTR – 1 filed along with remittance details.

x) If the Tenderer / supplier submits Tax Invoice and undertaking along with Tax Invoice duly indemnifying Chennai Port Trust from any loss of eligible Input Tax Credit of GST due to non payment of GST or non filing of GST Returns or non compliance of GST Act / Provision. Bill amount along with GST shall be paid. However,

a) If such Tenderer / Supplier does not comply with GST Act, ie Filing of Returns / Remittance of GST within stipulated date, the Port shall not release the subsequent Running Account bills:

b) In First & Final Bill passed cases, the Port will adjust the defaulted GST from security deposit / any amount payable to them.

xi) Any Demand/Interest/Penalty etc., arising to Chennai Port due to non-compliance of statutory requirements with reference to Income Tax and GST Laws by the Contractor/ Suppliers/ Port Users shall be borne by the Contractor/ Suppliers/ Port Users. The firm shall indemnify the Port against such non fulfillment of obligations.

### **TDS under GST**

(i) Section 51 of CGST Act and 1<sup>st</sup> proviso to section 20 of IGST Act make it obligatory for CHPT to deduct TDS @ 2% on the “amounts paid to vendor” or amounts credited to the account of the Vendor/Contractor.

(ii) If the purchase is made from a vendor located in Tamilnadu, then the TDS of 2% will be @ 1% under SGST and another 1% will be under CGST. If the purchase is made from a vendor located in a State/UT other than Tamilnadu, then the TDS of 2% will be under IGST.

(iii) This GST TDS is mandatory in the payments/purchase are made for the contract value more than Rs.2,50,000/-. It does not depend on the individual invoice values, but it depends on the "Value of Contract".

### **16.1. 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.

## **20.0 Subcontracting**

- 20.1. The Contractor shall notify the Employer in writing of all subcontracts awarded under the Contract if not already specified in the Tender. Such notification, in the original Tender or later shall not relieve the Contractor from any of its obligations, duties, responsibilities, or liability under the Contract.
- 20.2 Subcontracts shall comply with the provisions of GCC Clauses 3, 7 and 19.

## **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**  
Not applicable for this work.
- 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 twelve (12) 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 twelve (12) 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 up to 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 crosel 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  
The Employer is: Trustees of Port of “Chennai”*

### **GCC 1.1 (p)**

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: [cmchennaiport@gov.in](mailto:cmchennaiport@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. Arbitration is applicable only to the work value Rs,5 Crores and above



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.**

- (a) 70% payment will be made after the receipt of entire supply materials in good condition at site against Item no.1, 3 & 5 of BOQ and acceptance of the same.
- (b) Balance 30 % payment for the supply items and 100% payment for all other items will be paid after installation and taking over of entire systems.

Payment shall be made to the Tenderer as per the actual work carried out at site.

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 Demand draft (DD) from any Nationalised banks 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 Demand

Draft 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 **12 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

<b>CONTRACT AGREEMENT</b> (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 SHIIPING 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/Contract 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
  - 1. Shri. Ramabadrnan Krishnan, Ex. Director (HR)  
A-4, Alkapuri, Bhopal – 462 024, Madhyapradesh
  - 2. Shri M.Selvaraj, Ex. Director (Fin)  
Flat NO.248, Wing D-2 , Om shubhkarma CHS Ltd,  
Karmakshetra, S.S. Nagar, Mumbai – 400 037.

### **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)