

# **TAMILNADU POWER GENERATION CORPORATION LTD.**

## **SPECIFICATION FOR**

Fire Insurance coverage for the Gas Turbine, Generator with auxiliaries, Generator Transformer & Gas/Diesel handling equipments/ building of four Gas Turbine Power Stations (viz) Basin Bridge Gas Turbine Power Station/Chennai, Thirumakottai (Kovilkalappal) Gas Turbine Power Station/Thirumakottai in Thiruvallur District, Kuttalam Gas Turbine Power Station/Kuttalam in Mayiladuthurai District and Valuthur Gas Turbine Power Station (Phase I & II) Valuthur in Ramnath District.

**(Open Tender)**

**(E-TENDER)**

**SPECIFICATION:SE/GTS/OT.No.16/2025-2026**

**OFFICE OF THE CHIEF ENGINEER  
MECHANICAL THERMAL STATIONS &  
GAS TURBINE SCHEMES  
144, ANNA SALAI  
CHENNAI-600 002  
TAMIL NADU.**

**Website for online bid submission  
<https://tntenders.gov.in>**

## **INSTRUCTION TO BIDDERS FOR SUBMISSION OF ONLINE BIDS IN E-TENDER**

### **Instructions for Online Bid Submission**

The bidders are required to submit soft copies of their bids electronically on the <https://tntenders.gov.in>, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the portal, prepare their bids in accordance with the requirements and submitting their bids online.

More information useful for submitting online bids on the portal may be obtained at <https://tntenders.gov.in>.

### **REGISTRATION**

- 1) Bidders are requested to enroll on the e-procurement module of the Tamil Nadu Tenders procurement portal <https://tntenders.gov.in> by clicking on the link "**on line bidder Enrollment**" which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g.Sify/nCode/eMudhra etc), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC 's to others which may lead to misuse.
- 6) Bidder then log in to the site through the secured log-in by entering their user ID/password and the password of the DSC/e-Token.

### **SEARCHING FOR TENDER DOCUMENTS**

- 1) There are various search operations built in the <https://tntenders.gov.in> to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organisation Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other key words etc to search for a tender published on the CPP portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable to intimate the bidders through SMS/e-mail in case there is any corrigendum issued to the tender documents.
- 3) The bidder should make a note of the unique Tender ID assigned to each other in case they want to obtain any clarification/help from the Helpdesk.

## **PREPARATION OF BIDS:**

- 1) Bidder should take in to account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which bids documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as Indicated in the tender document /schedule and generally they can be in PDF/XLS/RAR/DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as part of every bid, a provision of uploading such standard documents (e.g PAN card copy, annual reports, auditor certificates etc) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **SUBMISSION OF BIDS:**

- 1) Bidder should log in to the site well in advance for bid submission so that they can upload the bid in time i.e on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The Bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as "online" to pay the tender fee/EMD as applicable.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document.
- 5) Bidder is requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid as a standard BOQ format with the tender document, then the same is to be download and to be filled by all the bidders.  
Bidders are required to download the BOQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidder's dashboard) will be considered as a standard time for referencing the deadline for submission of the bids by the bidders, opening of bids etc.,. The bidder should follow this during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI Encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening.

The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- 8) The uploaded tender documents become readable only after the tender Opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (ie after Clicking " Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

#### **ASSISTANCE TO BIDDERS**

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a Tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to <https://tntenders.gov.in>, in general may be directed to the 24X7 Helpdesk of the portal.

#### **SYSTEM REQUIREMENT:**

- i) Operating System - Windows XP-SP3 & above
- ii) Firefox/Internet browser - IE7 and above
- iii) Signing type digital signature
- iv) JRE 7 update 79 (Preferred file- Windows X-86 Offline) and above to be Downloaded and installed in the system

To enable ALL active X controls and disable 'use pop up blocker' under Tools → Internet Options → custom level.

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**TAMILNADU POWER GENERATION CORPORATION LTD.****FORWARD**

1	Tender Specification No.	<b>SE/GTS/OT.No.16/2025-2026</b>
2	Name of the work	Providing Fire Insurance coverage for one year for the gas turbine, generator with auxiliaries, generator transformer & Gas/Diesel handling equipments/ building of four Gas Turbine Power Stations (viz) Basin Bridge Gas Turbine Power Station/Chennai & Thirumakottai (Kovilkalappal) Gas Turbine Power Stations/Thirumakottai in Thiruvavur District, Kuttalam Gas Turbine Power Stations/Kuttalam in Mayiladuthurai District and Valuthur Gas Turbine Power Stations (Phase I & II) /Valuthur in Ramnad District.
3	Quantity	Fire insurance coverage excluding flood, storm, earthquake, riot, strike, malicious damages and terrorism for the Gas Turbine , Generator with auxiliaries , Generator Transformer/ Gas Handling equipment/Buildings at all the four Gas/Diesel Turbine Power Stations as per the list given in Section V.
4	Method of Tender	e-Tender System (Online with premium amount, other terms & conditions, GST as applicable) and through <a href="https://tntenders.gov.in/nicgep/app">https://tntenders.gov.in/nicgep/app</a>
5	a) Earnest Money Deposit (EMD)	<b>Rs.1000/-</b> (Rupees One thousand only) to <b>the account displayed in the e-portal.</b>
6	URL for online bid submission for e-tender	<a href="https://tntenders.gov.in/nicgep/app">https://tntenders.gov.in/nicgep/app</a>
7	Last date for submission of EMD	<b>27.01.2026 @ 12.00 PM</b>
8	Date of closing of online e-tender for submission of Techno commercial Bid & Price Bid.	<b>27.01.2026 @ 02:00 PM</b>
9	Date & time of opening of tender electronically	<b>28.01.2026 @ 02:30 PM</b>
10	Specification at website	The tender specification will be placed at TANGEDCO web site ( <a href="http://www.tangedco.gov.in">www.tangedco.gov.in</a> ). The prospective bidders may download the same.
11	Documents to be uploaded by the Tenderers during e-submission	Schedules and Annexures and other documents whichever is applicable
12	Clarification to be sought for from	Chief Engineer/MTS & GTS 3 <sup>rd</sup> floor, Western wing, NPKRR Maaligai 144, Anna Salai, Chennai-600002, Tamil Nadu.
13	Place at which tenders will be opened	Office of the Superintending Engineer/GTS 3 <sup>rd</sup> Floor/ Eastern Wing, NPKRR Maaligai, 144 Anna Salai, Chennai – 600 002.

**SPECIFICATION No. SE/GTS/OT.No.16/2025-2026 (E-tender)****DESCRIPTION**

SECTION-I	:	Instructions to Tenderers
SECTION-II	:	Bid Qualifying Requirements.
SECTION-III	:	General Terms & Conditions.
SECTION-IV	:	Fire Fighting Equipments
(a)	:	Basin Bridge gas turbine power station (BBGTPS)
(b)	:	Thirumakottai (Kovilkalappal) Gas Turbine Power Stations (T(K)GTPS)
(c)	:	Kuttalam Gas Turbine Power Stations (KGTPS)
(d)	:	Valuthur Gas Turbine Power Stations (Phase I) (VGTPS – P I)
(e)	:	Valuthur gas turbine power station (Phase II) (VGTPS – P II)
SECTION-V	:	List of Equipments/Buildings covered under Fire Insurance
(a)	:	Basin Bridge Gas Turbine Power Stations (BBGTPS)
(b)	:	Thirumakottai (Kovilkalappal) Gas Turbine Power Stations (T(K)GTPS)
(c)	:	Kuttalam Gas Turbine Power Stations (KGTPS)
(d)	:	Valuthur Gas Turbine Power Stations phase I (VGTPS – P-I)
(e)	:	Valuthur Gas Turbine Power Stations phase II (VGTPS – P-II)
SECTION-VI	:	Price schedule - Fire Insurance Premium for GTPS
SCHEDULE-A	:	Format - Deviation from commercial terms

## **SECTION-I**

### **INSTRUCTIONS TO TENDERERS**

- 1.0 The tenders with Techno Commercial terms along with Price Bid in accordance with Commercial terms for fire insurance coverage for the Gas Turbine, Generator with auxiliaries, Generator Transformer & Gas/Diesel Handling Equipments/ Buildings of four Gas based Power stations (viz) Basin Bridge Gas Turbine Power Station/ Chennai, Thirumakottai (Kovilkalappal) Gas Turbine Power Station, Thirumakottai near Mannargudi in Thiruvarur District, Kuttalam Gas Turbine Power Station, Kuttalam near Mayiladuthurai in Nagapattinam District and Valuthur Gas Turbine Power station (Phase I & II), Valuthur in Ramnad District as listed in Section- V enclosed with this specification.

All the tenders shall be prepared and uploaded strictly in accordance with the instructions set forth herein.

**Tamil Nadu Transparency in Tenders Act 1998 and the Tamil Nadu Transparency in Tender Rules 2000 and subsequent amendments thereof are applicable to this Tender.**

THE TENDERERS WHO DO NOT FULFILL THE "BID QUALIFICATION REQUIREMENT " AS PER SECTION-II **NEED NOT** PARTICIPATE IN THE TENDER. OFFERS NOT SATISFYING THIS "BID QUALIFICATION REQUIREMENTS" WILL NOT BE CONSIDERED AND WILL BE **SUMMARILY REJECTED.**

- 1.1. **All the documents submitted by the tenderer shall be serially numbered with the heading as "Specification No.SE/GTS/ OT.No. 16/2025-2026",** fire insurance coverage for the Gas Turbine, Generator with auxiliaries, Generator Transformer & Gas/Diesel Handling Equipments/ Buildings of four Gas based Power stations (viz) Basin Bridge Gas Turbine Power Station/ Chennai, Thirumakottai (Kovilkalappal) Gas Turbine Power Station, Thirumakottai near Mannargudi in Thiruvarur District, Kuttalam Gas Turbine Power Station, Kuttalam near Mayiladuthurai in Nagapattinam District and Valuthur Gas Turbine Power station (Phase I & II), Valuthur in Ramnad District as listed in Section- V enclosed with this specification.
- 2.0 The quotation containing premium amount and other terms and conditions (with break up details) must be uploaded.
- 2.1 In case the due date of opening of tenders happens to be a declared holiday, the tenders will be received and opened on the immediate succeeding working day without any change in the timings indicated.

**3.0 SUBMISSION OF TENDER OFFER:**

- 3.1. The tenderer is expected to examine all instructions, Schedules detailed in the Specification and upload the Schedule of Prices and other required particulars in the Schedules called for in this Specification, only as per the formats prescribed herein.
- 3.2. The Tender Offer should be signed by the tenderer or any person holding Power of Attorney authorizing him to sign on behalf of the tenderer before submission of the tender. The date of signature should invariably be indicated.
- 3.3. In the event of tender being submitted by other than a firm, it must be signed by a partner (copy of partnership deed should be enclosed) and in the event of the absence of any Partner, it shall be signed on his behalf by a person holding a Power of Attorney authorizing him to do so, certified copies of which shall be enclosed.
- 3.4. Telex, Fax or Telegraphic offers will not be entertained. TNPGL reserves the right to reject any of the offers which is not received according to the terms and conditions stipulated in the instructions.
- 3.5. If the tenderer finds any ambiguity in any of the terms and conditions stipulated in this specification, they shall get it clarified from the Superintending Engineer/GTS/ 3<sup>rd</sup>Floor, Eastern wing, NPKRR Maaligai, 144, Anna Salai, Chennai-2. If this is not done, and subsequent to opening of tenders, if doubts about the meaning or ambiguity in the interpretation of any of the terms and conditions stipulated in this specification are raised by the tenderer or by a separate letter, the interpretation or clarification issued by the Chief Engineer/MTS&GTS, Tamil Nadu Power Generation Corporation Limited, Chennai - 600002, to such of the terms and conditions of the specification as may be raised by the tenderer, shall be final and binding on the tenderer.
- 3.6. The tenders will be opened at the office of the Superintending Engineer/GTS, 3<sup>rd</sup>Floor, Eastern Wing, NPKRR Maaligai, 144, Anna Salai, Chennai - 600 002, on the due date and time specified in the presence of such of those tenderers who may desire to be present.
- 3.7. TNPGL reserves the right.
  - (a) To accept the lowest or any of the tender.
  - (b) To reject any or all the tenders without assigning any reasons thereof.
  - (c) To relax or waive any of the terms and conditions of the specification where deemed necessary.
- 3.8. Tenders received from those who quote a lesser validity period than that called for, will be rejected.
- 3.9. The tender is liable for rejection, if it is:
  - a) Not in the prescribed form.
  - b) Not properly signed by the tenderer.
  - c) Not in conformity with this specification.
  - d) If the stipulated EMD amount is not paid by NEFT/RTGS as in section III, clause(2).



## **SECTION-II**

### **BID QUALIFICATION REQUIREMENTS (BQR)**

The Insurance Company shall become eligible to bid on satisfying the following "BID QUALIFICATION REQUIREMENT".

**1) Only the Non Life Insurance Companies registered under IRDA**

**(Insurance Regulatory Development Authority)** are eligible for

submitting bids. Necessary documentary evidence shall be furnished for the same.

**THE OFFERS OF THE COMPANIES NOT SATISFYING THE ABOVE "BID QUALIFICATION REQUIREMENTS" WILL BE SUMMARILY REJECTED.**

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## **SECTION – III**

### **GENERAL TERMS & CONDITIONS**

#### **1.0 SCOPE**

The specification is for providing the fire insurance coverage excluding flood, storm, earthquake, riot, strike, Malicious damages and terrorism for the Gas Turbine, Generator with auxiliaries, Generator Transformer & Gas/ Diesel Handling equipments/Buildings at all the four Gas Turbine Power Stations as per the list given in Section V.

#### **2.0 EARNEST MONEY DEPOSIT**

- 2.1 The intending tenderers should pay a sum of **Rs.1,000/-** (Rupees One thousand only) towards Earnest Money Deposit.
- 2.2 The Earnest Money Deposit specified above should be in the form of NEFT/RTGS/Bank transfer as mentioned in the e portal for the above amount.
- 2.3 The Bidders who are having valid Permanent EMD under revised slab with erstwhile, now TNPDCCL for an amount of Rs.20 Lakhs and above are exempted from payment of Earnest Money Deposit and are eligible to participate in the tender.  
Firms who have PEMD less than specified above are not eligible to participate on the basis of the PEMD deposited by them even for lesser quantity and value. enclose copy of the same along with the tender offer as mentioned in Clause-2 above.
- 2.4 The EMD will not carry any interest.
- 2.5 The Earnest Money Deposit will be refunded to the unsuccessful bidders Automatically through e-portal itself on rejection/non-acceptance of the tender and cancellation of tender by TNPDCCL.
- 2.6 **Any other mode of payment of EMD other than NEFT/RTGS/Bank Transfer as mentioned in the e portal shall not be accepted towards EMD and the tenders shall be rejected if EMD is not paid in the prescribed manner.**
- 2.7 **The proof of Permanent EMD holder should be uploaded by the Vendor during submission of bid failing which the offer will be SUMMARILY REJECTED.**
- 2.8 **The Earnest Money Deposit/ Permanent EMD made by Bidder will be forfeited if:**
- (a) he withdraws his tender or backs out after acceptance.
  - (b) he withdraws his tender before the expiry of validity period stipulated in the Specification or fails to remit the Security Deposit.
  - (c) he violates any of the provisions of these regulations contained herein.
  - (d) he revises any of the terms quoted during the validity period.

- (e) in the event of documents furnished with the offer being found to be bogus or the documents contain false particulars, the EMD paid by the bidders will be forfeited in addition to blacklisting them for future tenders/contracts in TNPGL.

### **3.0 SIGNATURE OF TENDERERS**

- 3.1 The tender must contain the name, designation and places of business of the persons making the tender and must be signed (Digital Signature) and sealed by the Bidder with their usual signature. The names of all persons signing should also be typed or printed below the signature.
- 3.2 Tenders uploaded by a corporation/company must be signed with the legal name the corporation/company by the President/Managing Director / Secretary or other persons authorized to quote on behalf of such Corporation/Company and duly affixing the company seal.
- 3.3 **Each and every page of the tender documents should be signed (Digital signature) properly. Tender documents without proper signature are liable for rejection.**

### **4.0 AMENDMENTS OF TENDER DOCUMENTS**

- 4.1 At any time after the issue of the tender documents and before the opening of the tender, TNPGL may make any changes, modifications or amendments to the tender documents and the same will be intimated to the concerned vendors through corrigendum which can be down loaded from the vendor login.
- 4.2 In case any tenderer asks for a clarification to the tender documents before 48 hours of opening of tenders, the CE/MTS&GTS/TNPGL/Chennai-2 will clarify the same.
- 4.3 If any tenderer raises clarifications after the opening of the tender, the clarified reply issued by the Chief Engineer/MTS&GTS, TNPGL, Chennai-600 002 on the clarifications will be final and binding on the Tenderer.
- 4.4 All tender offers shall be prepared by typing or printing in the formats enclosed with this specification.
- 4.5 All information in the tender offer shall be in ENGLISH only. It shall not contain interlineations, erasures or over writings except as necessary to correct errors made by the tenderer.

### **5.0 ALTERNATIVE TENDERS**

Bid should be submitted as per indent of the tender Documents as alternative offers are liable to be rejected.

### **6.0 QUOTATION OF RATES**

- 6.1 Rates should be quoted figures i.e., integers only
- 6.2 Offers giving lumpsum price, without giving their breakup as per details required shall be liable for rejection.

### **6.3 PRINTED TERMS AND CONDITIONS IN TENDERS**

Supplier's printed terms and conditions will not be considered as forming part of the tender under any circumstances.

#### **6.4 INCOMPLETE TENDERS**

Tender, which is incomplete, obscure or irregular is liable for rejection.

#### **6.5 AMBIGUITIES IN CONDITIONS OF TENDERS**

In the case of ambiguous or contradictory terms / conditions mentioned in the bid, interpretation as may be advantageous to the purchaser may be taken without any reference to the Tenderer.

#### **7.0 TENDER OPENING**

The Tender offers will be **opened electronically at 14.30 Hrs. on the date notified at the Office of the Superintending Engineer/ Gas Turbine Schemes 3<sup>rd</sup> Floor, Eastern Wing, NPKRR Maaligai, 144, Anna Salai, Chennai-600002, through [https:// tntenders.gov.in/nicgep/app](https://tntenders.gov.in/nicgep/app) in the presence of tenderer's authorized representative who may wish to be present on the date of opening.**

#### **8.0 INFORMATION REQUIRED AND CLARIFICATIONS:**

8.1 In the process of examination, evaluation and comparison of tender offers, the TNPGL may, at its discretion, ask the Tenderer for a clarification of his offers. All responses to requests for clarifications shall be in writing to the point only. No change in the price or substance of the offer shall be permitted.

8.2 The TNPGL will examine the tender offers to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the offers are generally in order.

8.3 The Tender offers shall be deemed to be under consideration immediately after they are opened and until such time of official intimation of award / rejection is made by the Tender Accepting Authority to the tenderers. The Tenderers shall not make attempts to establish unsolicited and unauthorized contact with the Tender Inviting Authority, Tender Accepting Authority or Tender Scrutiny Committee after the opening of the tender and prior to the notification of the award and any attempt by any tenderers to bring to bear extraneous pressures on the Tender Accepting Authority shall be sufficient reason to disqualify the tenderer.

8.4 After acceptance of the tender by the Tender Accepting Authority, the details will be arranged to be published in the Tender Bulletin of Tamil Nadu Government.

8.5 Mere submission of any Tender offer connected with these documents and Specification shall not constitute any agreement. The tenderer shall have no cause of action or claim, against the TNPGL for rejection of his offer. The TNPGL shall always be at liberty to reject or accept any offer or offers at its sole discretion and any such action will not be called into question and the Tenderer shall have no claim in that regard against the TNPGL.

#### **9.0 DISQUALIFICATION OF TENDERS**

9.1 The tender offer shall contain full information asked for in the accompanying schedules and elsewhere in the specification.

9.2 Tenderers shall bear all costs associated with the preparation of e-tender and the purchaser will in no case be responsible or liable for these costs.

- 9.3 No offer shall be withdrawn by the Tenderer in the interval between the deadline for submission and the expiry of the period of validity specified / extended validity of the tender offer.

## **10.0 PRICE BASIS**

The Bidder shall quote in their proposal, insurance premium for each station covered in the Specification under Section VI, on firm price basis for the entire contract period. **The price quoted shall be inclusive of GST with split up details. Insurance premium for each station covered in the specification Section V may be furnished separately with breakup details as in clause 10.1 along with techno commercial documents.** The tenderer may take note of the fact, that the value of the assets given in the specification was arrived by taking the date of commissioning as reference date.

- 10.1 **The tenderer shall allow the Fire Extinguisher Appliances (FEA) discount, claims experience discount etc. as per Tariff Advisory Committee (TAC) regulations. It may be noted that no claim was made by TNPGL in the past 10 years for all the gas stations. Hence the claims experience discount shall be given as per TAC regulations. These discounts shall be furnished separately, (discount wise) in their tenders. Further if the tenderer desires to inspect the power station for offering the FEA discount, they may inspect the power station after obtaining approval from the Competent Authority. The inspection shall be made only at the tenderer's cost. The tenderer should furnish a copy of the inspection report to the Chief Engineer/MTS & GTS/TNPGL. However the details of fire fighting system and equipments available at all GTPS are furnished in section IV.**

## **11.0 POLICY FOR TENDERS UNDER CONSIDERATION**

Tenders shall be deemed to be under consideration immediately after they are opened and until such time official intimation of award/rejection is made by TNPGL to the Bidders. While the tenders are under consideration, the bidders and/or their representatives are advised to refrain from contacting by any means, the TNPGL's officials on matters related to the tenders under consideration.

TNPGL, if necessary, will obtain necessary clarifications on the tenders by requesting for such in writing or through personal contact as deemed necessary. Bidders will not be permitted to change the substance of the tenders after the tenders have been opened.

## **12.0 VALIDITY OF THE TENDER**

The tender should be kept valid for acceptance for a period of 90 days from the due date for opening of tender.

In exceptional circumstances the TNPGL may solicit the bidders consent for an extension of the period of the validity. The request and response thereto shall be made in writing (including Fax or Telex). The Bidders granting the request for extension of validity will not be permitted to modify their tenders.

## **13.0 EVALUATION AND COMPARISON OF THE TENDER OFFERS**

- 13.1 The tenders will be evaluated strictly as per the Tamil Nadu Transparency in Tenders Act, 1998 and the Tamil Nadu Transparency in Tender Rules, 2000 and the amendments thereof.

- 13.2 The tender offers received will be examined to determine whether they are in complete shape, all required Data have been furnished, properly signed and generally in order and conforms to all the terms and conditions of the Specification without any deviation.
- 13.3 For the purpose of evaluation of tender offers, the following factors will be taken into account for arriving the evaluated price.
- 13.4 The quoted price will be corrected for arithmetical errors.
- 13.5 Since GST is enacted wherein all taxes & duties are subsumed, price evaluation shall be inclusive of applicable GST in all cases, i.e. even if the bidders are only within the State or bidders are within the State and outside Tamil Nadu.
- 13.6 Tenders will also be evaluated on the basis of the track record of settling the insurance claims quickly by the company. The tenderers shall furnish the recorded evidences in support of past performances in settlement of claims for the past three years failing which the offer of such company is liable for rejection. The tenders of such of those company who have not settled the claim for TNPGL are liable for rejection.
- 13.7 The processing of tenders will be done as per the provision of Tamil Nadu Transparency in Tenders Act 1998, and Tamil Nadu Transparency in Tender Rules 2000.
- 13.8 The rates quoted by the eligible lowest tenderer in the open tender shall be compared with the prevailing market rate and the previous rates and if the Tender Accepting Authority is of the view that the quoted rates are too high the rates will be negotiated and the rate will be determined. All eligible bidder who accept the rate shall be enlisted.

**13.9 Bids will be evaluated as a whole.**

**14.0. GOODS AND SERVICES TAX [GST]**

- 14.1 Goods and Services Tax [GST] as a modern law, has been brought after Article 366 (12A) of the Constitution as amended by 101st Constitutional Amendment Act, 2016. GST is an indirect tax system, commonly used by both the Central Government and the State/UT to final consumption with credit of taxes paid at previous stages available as set off. In a nutshell, only value addition will be taxed and burden of tax Governments on goods and services. GST is a destination based tax on consumption of goods and services. It is proposed to be levied at all stages right from manufacture up is to be borne by the final consumer. GST has been rolled out w.e.f. 01.07.2017, across India.
- 14.2 The GST to be levied by the Centre on intra-State supply of goods and / or services would be called the Central GST (CGST) and that to be levied by the States/ Union territory would be called the State GST (SGST)/ UTGST. Similarly, Integrated GST (IGST) will be levied and administered by Centre on every inter-state supply of goods and services.
- 14.3 Any supplier of goods and service Provider of services who makes a taxable supply with an aggregate turnover of over Rs.20 lakhs in a financial year is required to

obtain GST registration. In special category states, the aggregate turnover criteria is set at Rs.10 lakhs. in simple words Every business whose taxable supply of goods or services under GST (Goods and Service Tax) and whose turnover exceeds the threshold limit of Rs. 20 lakh / 10 Lakh as applicable will be required to register as a normal taxable person.

**14.4 GST Registration Number:** TNPGL has migrated into GST regime on 15.06.2017 by duly uploading various mandatory data as required by the GST portal. The provisional ID issued to TNPGL is 33AAKCT7598K1ZI. The details are also posted in TANGEDCO web portal.

14.5 GST Registration Number or GSTIN is 15 Digit identification number which is allotted to each applicant who applied for GST Registration. GST Number is completely based on the Pan Number and State code. First two digit represent the state code and another 10 digit represent the PAN number of the client, one digit represent the entity code (Like proprietorship or partnership etc), one digit is blank and last one is represent check digit.

14.6 Transaction Value: The value of a supply of goods or services or both shall be the transaction value, which is the price actually paid or payable for the said supply of goods or services or both where the supplier and the recipient of the supply are not related and the price is the sole consideration for the supply. Sec 15(1) states that value of supply of goods and service shall be the transaction value i.e. the price actually paid or payable. The conditions for accepting the transaction value are

- a) Supplier and the recipient of the supply are not related.
- b) Price is the sole consideration for the supply.

**The bidders should have registered under GST Act and furnish GSTIN. In the event of contractor is within TN, SGST & CGST shall apply and if the contractor is outside TN, IGST shall apply. The tenderers are requested to quote the GST applicable along with HSN code/ SAC code as per GST norms.**

**GST will be applicable on liquidated damages and earnest money deposit/ security deposit forfeited, if any arises.**

**14.7 TDS under GST is applicable in the contract exceeding value of Rs.2.5 lakhs (exclusive of GST) at the rate of 2%.**

**14.8 TCS under Income Tax Act:**

The eligible suppliers shall claim Invoices with TCS u/s206C(1H) of Income tax Act at the rate of 0.075% upto 31.03.2021 and at the rate of 0.1% (or such other rates as may be notified) from 01.04.2021 onwards.

**15.0 SECURITY DEPOSIT**

The successful tenderer will have to furnish a Security Deposit (S.D) to a value of **1% of the premium value** for the successful performance of the contract, immediately on receipt of the acceptance of their tender by TNPGL failing which EMD paid is liable for forfeiture. Further the order issued will also be cancelled. In other case, TNPGL has the right to levy interest at 22% per annum for the delay made by the tenderer for S.D. payment. The S.D. will be refunded only after fulfilling the terms and conditions of contract to the entire satisfaction of the TNPGL. S.D. will not carry interest. If TNPGL incurs any damage on account of

breach of any clause in the contract by the contractor, TNPGL may appropriate the whole or part of S.D. equivalent to loss/damage caused in addition to other rights mentioned. If the total premium value is less than Rs.10/- lakhs, the entire 1% value of the premium towards S.D. shall be payable by the Banker's Cheque/Demand Draft only and if the total premium value is more than Rs.10/- Lakh, the entire 1% value of the premium towards S.D. shall be payable either by Banker's Cheque/Demand Draft or by irrevocable B.G. from any one of the Nationalized/Scheduled Banks. The Bank Guarantee should be furnished in non-judicial stamp paper of appropriate value.

## **16.0 DURATION OF CONTRACT**

The insurance coverage is for a period of **one year** from the date of payment of premium amount by TNPGL.

In exceptional circumstances, TNPGL- has got the right to extend the period of contract. Under such circumstances, the policy provider shall extend the period of contract only with the other terms & conditions of the existing contract unchanged.

## **17.0 EFFECT AND JURISDICTION OF CONTRACT**

The laws applicable to the contract shall be the laws in force in India. The courts of Chennai shall have exclusive jurisdiction in all the matters arising under this contract.

- 17.1 a) GSTIN Number: The tenderers are requested to furnish their GSTIN Number in the offer.  
b) Permanent Account Number (PAN) Registration Number:  
The tenderers are requested to furnish the Permanent Account Number in their offer.

## **18.0 LIQUIDATED DAMAGES AND PENALTIES**

Liquidated Damages (LD) for delay in settlement of claims

If the Bidder fails to settle the claims within 90 days from the date of submission of all documents, the Bidder shall be liable for payment as LD for the delayed period at the rate of 0.5% (half percent) of the total claim amount per completed week of delay. The total amount of LD for delayed period shall be subject to a maximum of ten (10%) of the total claim amount.

## **19.0 SETTLEMENT OF DISPUTES**

Any Dispute(s)/differences arising out of or in connection with the contract shall, to the extent possible, be settled amicably between the parties.

## **20.0 TERMS OF PAYMENT**

Payments towards the Insurance Premium will be made by Online mode only. The bank charges involved in making the payment will be to the account of the Tenderer.

The Tenderer has to furnish the following details of the Bank account to which the payment be credited.

1. Name of the Account Holder
2. Name of the Bank
3. Branch
4. Account No
5. IFSC code of the Branch



## **21.0 PERIOD OF INSURANCE COVERAGE**

Provision of fire insurance coverage for one year for the equipments/buildings at Valuthur GTPS (Phase I & II) from 27.04.2026 to 26.04.2027 and Kuttalam GTPS from 29.04.2026 to 28.04.2027 at the re-instate value of assets of the above Stations for one year and for the equipments/ buildings at Thirumakottai (Kovilkalappal) and Basin Bridge GTPS at the asset value for one year from 22.04.2026 to 21.04.2027.

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**SECTION – IV.**  
**FIRE FIGHTING EQUIPMENTS**  
**(a) BASIN BRIDGE GAS TURBINE POWER STATION**

<b>TYPE OF SYSTEM</b>	<b>DETECTION SYSTEM</b>	<b>SYSTEM AVAILABLE FOR</b>	<b>PUMPS AVAILABLE</b>	<b>MORE DETAILS</b>
FOAM SYSTEM	<u>FUEL TANKS</u> 1.PRESSURISED air line with quartzoid bulb 2.INFRA RED DETECTOR SYSTEM	1.DIESEL TANKS 2.FUEL UNLOADING PUMP HOUSE 3.FUEL FORWARDING PUMP HOUSE	1.ELECTRICAL PUMP DISCHARGE:96M <sup>3</sup> /hr HEAD :105 mtr SPEED :1800RPM 2. DIESEL ENGINE OPERATED PUMP DISCHARGE:96M <sup>3</sup> /hr HEAD :105 mtr SPEED : 1800 RPM	FOAM STORED IN SEPARATE TANK OF CAPACITY 7000 LITRES.
MEDIUM VELOCITY WATER SPRAY SYSTEM (MVWS)	PRESSURISED WATER LINE WITH QUARTZOID BULB	FUEL TANKS OUTER SHELL COOLING	1.ELECTRICAL PUMP DISCHARGE:273M <sup>3</sup> /hr HEAD :70 mtr SPEED : 1500RPM 2. DIESEL ENGINE OPERATED PUMP DISCHARGE:273M <sup>3</sup> /hr HEAD :70 mtr SPEED : 1500 RPM	
HYDRANT SYSTEM	PRESSURISED HEADER	AROUND THE PLANT	COMMON PUMPS FOR MVWS & HYDRANT SYSTEM	HYDRANT VALVES 32 NOS.DOUBLE HYDRANT 8 NOS. CCR BUILDING 4 NOS.
HIGH VELOCITY WATER SYSTEM SPRAY SYSTEM (HVWS) & MVWS SYSTEM	PRESSURISED WATER LINE WITH QUARTZOID BULB	UNIT I,II, III & IV (GENERATOR TRANSFORMERS) STATION TRANSFORMERS - 2 NOS & CABLE GALLERY.	1.ELECTRICAL PUMP DISCHARGE:273M <sup>3</sup> /hr HEAD :70 mtr SPEED : 1560 RPM 2.DIESEL ENGINE DISCHARGE:273M <sup>3</sup> /hr HEAD :70 mtr SPEED : 1500 RPM	
CO2 FLOODING SYSTEM	HEAT SENSORS	UNIT I,II, III & IV TURBINE, AUXILIARY COMPARTMENT, GENERATOR ACCESSORIES		45 KG CO2 CYLINDERS UNIT I – 8 NOS. UNIT II – 8 NOS. UNIT III –23NOS. UNIT IV –23NOS.

### **ADDITIONAL SUPPORT AVAILABLE**

TAMIL NADU FIRE & RESCUE SERVICES STAFF & VEHICLES	1.FOAM TENDER - 1 NO. 2.WATER TENDER - 1 NO.	7 FIRE SERVICE MEN FOR EACH FIRE TENDER/ SHIFT AVAILABLE INSIDE THE PLANT.
----------------------------------------------------------	-------------------------------------------------	-------------------------------------------------------------------------------------

### **PORTABLE FIRE EXTINGUISHERS AVAILABLE AROUND THE PLANT.**

<b>TYPE</b>	<b>SIZE</b>	<b>NOS.</b>
CO2 Fire Extinguishers	4.5 Kg	28 Nos.
	22.5 Kg	3 Nos.
	2 Kg	2 Nos.
	9 Kg	3Nos.
ABC pressurized Fire Extinguishers	2 Kg	26 Nos.
	4 Kg	3 Nos.
	6 Kg	17 Nos.
	10 Kg	16 Nos.
Mechanical Foam Fire Extinguishers	9 LITRES	12 NOS.
	50 LITRES	4 NOS.
DCP Fire Extinguishers	5 KG	10 NOS.
	75 KG	5 NOS.
ALLUMINIUM FULL SUIT WITH BREATHING APPARATUS		4 NOS.

\*\*\*\*\*

**(b) THIRUMAKKOTTAI (K) GAS TURBINE POWER STATION  
I FIRE FIGHTING - PROTECTION SYSTEM**

**A) HYDRANT PUMP**

- |                                     |                           |
|-------------------------------------|---------------------------|
| 1 No. Electrically driven Main Pump | - 273 M <sup>3</sup> /Hr. |
| 1 No. Diesel driven Pump (Stand By) | - 273 M <sup>3</sup> /Hr. |

**B) SPRAY PUMP**

- |                                     |                           |
|-------------------------------------|---------------------------|
| 1 No. Electrically driven Main Pump | - 273 M <sup>3</sup> /Hr. |
| 1 No. Diesel driven Pump (Stand By) | - 273 M <sup>3</sup> /Hr. |

**C) JOCKEY PUMP**

- |                                  |                          |
|----------------------------------|--------------------------|
| 2 Nos. Electrically driven Pumps | - 20 M <sup>3</sup> /Hr. |
|----------------------------------|--------------------------|

**D) FIRE HYDRANT POINTS**

- |                               |           |
|-------------------------------|-----------|
| 1. All over area of the Plant | - 49 Nos. |
| 2. Administrative Building    | - 05 Nos. |
| 3. Switchyard building        | - 01 No.  |
| 4. Gas Compressor building    | - 01 No.  |
| 5. Water monitor point        | - 02 Nos. |

-----  
Total = 58 Nos.  
-----

**E) DELUGE VALVE EMULSIFIER SYSTEM**

- |                                                          |           |
|----------------------------------------------------------|-----------|
| 1. HVWS for Gas turbine Generator 90 MVA Transformer     | - 01 No.  |
| 2. HVWS for GTG 15 MVA station Transformer               | - 01 No.  |
| 3. HVWS for STG 50 MVA station Transformer               | - 01 No.  |
| 4. HVWS for STG 15 MVA station Transformer               | - 01 No.  |
| 5. MVMS for main control Building cable galleries 4 Zone | - 04 Nos. |
| 6. MVMS for Switch yard control Building cable gallery   | - 01 No.  |
| 7. HVWS for STG lube oil tank                            | - 01 No.  |

-----  
10 Nos.  
-----

**II PORTABLE FIRE EXTINGUISHERS PROVIDED IN T(K)GTPS**

- |                                                       |           |
|-------------------------------------------------------|-----------|
| 1. CO <sub>2</sub> Extinguishers (4.5kg capacity)     | - 49 Nos. |
| 2. Dry chemical Powder Extinguishers (5kg capacity)   | - 59 Nos. |
| 3. Foam Type Extinguishers (9 lts capacity)           | - 07 Nos. |
| 4. Dry chemical Powder Extinguishers (70 kg capacity) | - 01 Nos. |
| 5. Foam Type Extinguishers (50 lts capacity)          | - 04 Nos. |

**III AUTOMATIC CO<sub>2</sub>FIRE EXTINGUISHING SYSTEMS PROVIDED FOR THE FOLLOWING AREAS**

- Gas Turbine Compartment
- Gas Turbine Generator and excitation compartment
- Steam Turbine Generator compartment

IV SMOKE DETECTORS PROVIDED IN THE FOLLOWING AREA

1. Main control building
2. Switchyard building
3. Administrative building
4. Other all building inside the Thirumakkottai (K) Gas Turbine Power station

\*\*\*\*\*

### (c) KUTTALAM GAS TURBINE POWER STATION FIRE FIGHTING EQUIPMENTS

1. Automatic Co<sub>2</sub> fire fighting systems
2. Hydrant system for the entire plant
3. HVWS system for transformers (8 Nos.) and STG lube oil tank (1 No.) (tapped from spray header)
4. MVWS system for cable vault in main control building (tapped from water spray header)
5. Portable type hand appliance for entire plant.

#### 1. Automatic Co<sub>2</sub> fire fighting systems

#### 2. Pressurized Automatic Hydrant System available at various locations in KGTPS.

Since the plant is **ORDINARY HAZARD** type, the hydrant points are provided at every 45 metre of the perimeter of the buildings as per clause 7.6.11 of TAC Fire protection manual.

No. of hydrants (65 mm) = 48  
(Single Header: 38, Double Header: 5 fire Escape Hydrant: 5)  
No. of water monitors (32 mm) = 2

#### 3. High Velocity Water Spray systems (HVWS) are provided for the following equipments.

- i. 90 MVA GTG Transformer (outdoor type)
- ii. 50 MVA STG Transformer (outdoor type)
- iii. 15 MVA GTG Unit Transformer (outdoor type)
- iv. 15 MVA STG Unit Transformer (outdoor type)
- v. STG Lube oil tank (indoor type)
- vi. 2.25 MVA Unit Auxiliary Transformer (Outdoor type)

#### 4. Medium Velocity Water Spray System (MVWS) are provided in the following areas

- i. Main control building cable vault

#### Details of Fire Fighting System Pumps

##### i. Details of Hydrant system pump

Main pump	273 cum/hr	88mwc	110 KW Motor drive	1 No
Standby pump	273 cum/hr	88mwc	113HP Diesel engine drive	1 No.

**ii. Details of Spray water system (HVWS & MVWS)**

Main pump 273 cum/hr 88mwc 110 KW Motor drive 1 No  
Standby pump 273 cum/hr 88mwc 113HP Diesel engine drive 1 No.

**iii. Details of Jockey pump (Common for Hydrant & Spray)**

- i. Power House Building
- ii. Administrative Building
- iii. Outdoor Yard Manual Call Point

**5. Type of Portable Fire Extinguishers available at different locations.**

- I. Dry Chemical Powder - 5 Kgs 42 Nos.
- II. Mobile Foam - 50 litres. 1 No.
- III. Carbon-di-oxide - 4.5 Kg 42 Nos.
- IV. DCP Trolley Mounted - 22.5 Kg 4 Nos.

**a. Details of Co<sub>2</sub> fire fighting Extinguishing system for Gas Turbine and Accessory Skid.**

- 1. Number of Cylinders - 57 Nos.
- 2. Each Cylinder Capacity - 68 litres.
- 3. Co<sub>2</sub> quantity in each cylinder - 45 Kgs.

**b. Details of Co<sub>2</sub> fire fighting Extinguishing system for Steam Turbine Generator.**

- 1. Number of Cylinders - 10 Nos.
- 2. Each Cylinder Capacity - 68 litres.
- 3. Co<sub>2</sub> quantity in each cylinder - 45 Kgs.

**Fire Water Tank** – Capacity – 1000 KL x 2 Nos. (2000 KL)

**Fire Station**

A Fire Station from the department of TamilNadu Fire & rescue services, Government of Tamilnadu is functioning on permanent basis inside the Plant with 17 personnel and one Water Tender from April 2010

**Fire Tender** Opened on 25/04/2010 – 1000 gallons capacity fire Tender (4.5 Tons) – 1 no.

**Fire Detection & Alarm System** – Entire Plant connected to control room

\*\*\*\*\*

**(d) VALUTHUR GAS TURBINE POWER STATION (PHASE-I)  
FIRE FIGHTING EQUIPMENTS**

**I. Fire Fighting Systems available at VGTPP**

- i. Hydrant system for entire plant
- ii. MVWS system for cable vault in main control building & switchyard control building. (tapped from water spray header)
- iii. HVWS system for transformers (4 Nos.) and STG lube oil tank (1 No.) tapped from spray header.
- iv. Portable type hand appliance for entire plant.

**II. Pressurized Automatic Hydrant System available at various locations in VGTPS.**

Since the plant is **ORDINARY HAZARD** type, the hydrant points are provided at every 45 meters of the perimeter of the buildings as per clause 7.6.11 of TAC Fire Protection manual.

No. of single headed hydrants = 27 (SH + 1 (DH) + 4FEH=32  
No. of water monitors (32mm) = 6

**III. HVWS Systems are provided for the following equipment's**

- i. 90 MVA GTG Transformer (outdoor type)
- ii. 50 MVA STG Transformer (outdoor type)
- iii. 15MVA GTG Unit Transformer (outdoor type)
- iv. 15MVA STG Unit Transformer (outdoor type)
- v. STG Lube oil tank (indoor type)

**IV. MVWS System are provided in the following areas**

- i. Main control building cable vault.
- ii. Switchyard control building cable vault.

**Details of Fire Protection System Pumps:**

Hydrant System:

i.	Main Pump	273m <sup>3</sup> /hr; 88mwc; 125KW Motor drive	-	1 No.
ii.	Standby Pump	273 m <sup>3</sup> /hr; 88mwc 154HP Diesel Engine drive	-	1 No.

Spray Water System (HVWS&MVWS)

i.	Main Pump	273m <sup>3</sup> /hr; 88mwc; 125KW Motor drive	-	1 No.
ii.	Standby Pump	273 m <sup>3</sup> /hr; 88mwc; 154HP Diesel Engine drive	-	1 No.



#### Details of Jockey Pump (Common for Hydrant and Spray System)

i.	Main Jockey Pump	20m <sup>3</sup> /hr; 88mwc; 15KW Motor drive	-	1 No.
ii.	Standby Pump	20m <sup>3</sup> /hr; 88mwc; 15KW Motor drive	-	1 No.

#### Location of Fire Detection and Alarm Systems

- i) Power House Building.
- ii) Switchyard Control Building
- iii) Administrative Building.
- iv) Outdoor Yard Manual Call Point.

#### V. Type of Portable Fire Extinguishers available at different locations

I)	DCP (ABC) Stored Pressure- 6 Kg	33Nos.
II)	DCP Cartridge Type - 5Kg	24 Nos.
II)	Foam Type - 9 litres.	05Nos.
III)	Mobile Foam - 50 litres.	04Nos.
IV)	Carbon-di-oxide - 4.5kg	45Nos.
V)	DCP Trolley Mounted - 50 kg	01No.
VI)	DCP Trolley Mounted -25 Kg	04 Nos.

#### Co2 Flooding system

- i. Gas Turbine enclosure
- ii. Generator & Gear Box enclosure
- iii. Fuel Gas skid enclosure
- iv. Steam Turbine Enclosure

\*\*\*\*\*

**(e) VALUTHUR GAS TURBINE POWER STATION ( PHASE- II)  
FIRE FIGHTING EQUIPMENTS**

**I. FireFighting systems available at VGTPP**

- i. Hydrant system for entire plant
- ii. MVWS system for STG Building cable spreads room
- iii. HVWS system for transformer (4 Nos.) STG lube oil tank (1No.) and Lube oil skid enclosure of GTG unit
- iv. Portable type appliance for entire Plant.

**II. Pressurized Automatic Hydrant System available at various locations in VGTPS**

Since the plant is ORDINARY HAZARD type, the hydrant points are provided at every 45 metre of the perimeter of the buildings as per clause 76.11 of TAC Fire protection manual

No.of single headed hydrants	= 22
No.of water monitors (32 mm)	= 3
Total number of eqult. Single header hydrant.	= 25

**III. HVWS Systems are provided for the following equipment's**

- i. 80MVA GTG transformer (outdoor type)
- ii. 40MVA STG transformer (outdoor type)
- iii. 12.5 MVA GTG Unit Transformer (outdoor type)
- iv. 12.5 MVA STG Unit Transformer (outdoor type)
- v. STG Lube oil tank (indoor type)
- vi. Lube oil skid enclosure of GTG unit

**IV. MVWS System are provided in the following areas:**

STG Building cable spreader room (adjacent to Turbo generator Hall).

**Location of Fire Direction and Alarm Systems:**

- i. Control Building
- ii. Steam Turbine Hall Area
- iii. GTG Area
- iv. HRSG Area, BFP Area
- v. Switchyard
- vi. DM Plant /Pretreatment plant Area
- vii. DG Room
- viii. Transformer Area

**V. Type of Portable Fire Extinguishers available at different locations:**

i.	Dry Chemical Powder	-	5 kg	- 20 Nos.
ii.	Dry Chemical Powder	-	6Kg	-10 Nos.
iii.	Dry Chemical Powder	-	9 kg	- 03 Nos.
iv.	Dry Chemical Powder	-	10Kg	- 03 Nos.
v.	Dry Chemical Powder	-	22.5Kg-	06 Nos.
vi.	Dry Chemical Powder	-	25Kg	- 06 Nos.
vii.	Foam	-	9 liters-	03 Nos.
vii.	Foam	-	45 liters-	03 Nos.
iii.	Foam	-	50 liters-	03 Nos.
iv.	Carbon-di-oxide	-	4.5 Kg	-54Nos.

**Gas Detection and Alarm system**

- i. Gas Turbine enclosure
- ii. Gas Turbine Auxiliary enclosure
- iii. Gas Turbine generator enclosure
- iv. GBC Building

**Co2 Flooding system**

- v. Gas Turbine enclosure
- vi. Generator & Gear Box enclosure
- vii. Fuel Gas skid enclosure

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## SECTION – V

SL.NO	<b>(a) Basin Bridge Gas Turbine Power Station</b>	
	Year of Commissioning : March 1996	
	<b>Description</b>	<b>Asset Value in Rs.</b>
	<b>Civil Structures:</b>	
1	Buildings & Structures	75,87,463.00
	<b>PLANT AND MACHINERY:</b>	
2	Plant & Machinery (Stack Monitoring system in BBGTPS along with DATA uploading facility)	62,91,982.00
3	Oil Storage Tanks, Oil Handling plant Handling Equipments	25,83,654.00
4	Gas Turbine Generator	19,75,93,463.00
5	Auxiliaries (Gas Turbine Generator)	4,91,21,968.00
6	Transmission Plant TFR 100KVA & above	47,43,539.00
7	Other TRM Plant, TFR Kiosk, PT & Others	17,29,856.00
8	Material Handling equipments - Cranes	96,300.00
9	Switch Gear including Cable connection	1,01,83,257.00
10	Batteries including Charging Equipment	4,80,465.00
11	Batteries for Unit - 3 & 4 (125V DC, 300AH)	18,00,979.00
12	Lightening Arrestor	1,48,079.00
13	Communication Equipment Radio & HF Carrier system	6,864.00
14	Communication Equipment Radio Phone Lines	2,56,508.00
15	Air Conditioning Plant-Static	4,28,978.00
16	A.C. Plant portable, A.C. Plant portable	20,976.00
17	Meter Testing Laboratory Tools & Equipment	2,62,851.00
18	Tools and Tackles	5,39,691.00
19	Other Miscellaneous Equipment	66,46,972.00
	<b>LINES, CABLES NETWORKS ETC...</b>	
20	O.H. Line Towers Poles - Volts higher than 66 KV	17,24,226.00
21	Cable Duct System	36,76,822.00
22	Steer Light & Signal system	5,74,520.00
23	Furniture and Fixtures	82,627.00
24	Office Equipments	8,30,407.00
25	Capital spares at Generating stations	5,18,75,470.00
	<b>FUEL</b>	
26	High Speed Diesel (HSD).(as on 01.11.2025)	2,82,31,411.00
	<b>Total</b>	<b>37,75,19,328.00</b>

<b>(b) THIRUMAKKOTTAI (K) GAS TURBINE STATION</b>		
Year of Commissioning March 2001		
<b>ASSET</b>		
<b>Account Code</b>	<b>Description</b>	<b>Asset Value in Rs.</b>
<b>I</b>	<b>BUILDING</b>	
10.200	Building	98,70,950
10.202	Building Containing Mechanical /Electrical Equipments	59,04,083
10.208	Building containing Distribution Equipments	8,47,51,860
10.211	Office Building	1,81,81,562
10.222	Residential Colony for staff	1,31,96,059
	<b>Total I</b>	<b>13,19,04,514</b>
<b>II</b>	<b>PLANT &amp; MACHINERY</b>	
10.500	Plant & Machinery	5,17,86,718
10.501	Boiler & Equipments	12,31,66,243
10.503	SteamTurbine Generation	12,31,66,243
10.505	Gas Handling Systems	13,16,15,234
10.516	Oil Tank, Oil Handling Plant & Equipments	37,97,06,217
10.526	Gas Turbine Generator	36,57,08,518
10.535	Auxiliaries in Power Plant	1,65,22,087
10.541	Transmission Transformers	50,15,657
10.543	Other Transformers in plant	31,80,130
10.555	Material Handling Equipments	47,17,315
10.561	Switch gear Including cable	35,60,059
10.565	Fabrication Shop/Workshop	2,03,814
10.567	Lightning Arrestors	17,31,020
10.574	Static machine tools and equipments	16,67,987
10.577	Air - conditioning Plant and Portable	53,32,002
10.579	Other Miscellaneous Equipments	75,60,186
	<b>Total II</b>	<b>122,46,39,431</b>
<b>III</b>	<b>LINES, CABLES &amp; NETWORK</b>	
10.601	O.H. lines, Towers, Poles, etc	2,31,46,710
10.611	underground cables including Joint	28,080
10.621	Service connections	27,83,115
	<b>Total III</b>	<b>2,59,57,905</b>
<b>IV</b>	<b>FURNITURE &amp; FIXTURES</b>	
10.500	Furniture & Fixtures	1,82,060
	<b>Total IV</b>	<b>1,82,060</b>
<b>V</b>	<b>OFFICE EQUIPMENTS</b>	
10.600	Other Office Equipments	2,14,225
	<b>Total V</b>	<b>2,14,225</b>
	<b>GRAND TOTAL (I+II+III+IV+V)</b>	<b>138,28,98,135</b>

<b>(c) Kuttalam Gas Turbine Power Station</b>		
Year of Commissioning March 2004		
<b>Sl.No.</b>	<b>Description</b>	<b>Reinstate value in Rs.</b>
1	Gas Turbine Flange to Flange	1504741805
2	DLN System	295015607.1
3	Mark-V Electronic Control	60198383.41
4	BNC Vibration Monitoring system	12484790.45
5	GT Accessory skid	53374216.5
6	GT Generator & BL – exciter including bearings	103148748.9
7	Load Gear Box	68403632.82
8	Load Couplings or Hard ware	6602260.434
9	Inlet Air Fittings & Accessories (1 set) 1 inlet coolers with air drying unit 2 inlet air filter system 3 inlet filter cartridges.	66288350.5
10	Inlet Ducting	17272967.37
11	Expansion joints (4 Nos.)	22622016.54
12	Silencer panels (10 nos.)	23973377.49
13	Diverter Damper	38446282.79
14	Mist eliminator	1988554.859
15	Water wash skid	8914882.631
16	GT & GTG enclosure	33896590.63
17	Vent fans (1 set)	6407716.235
18	Exhaust Frame Blowers	4772015.546
19	Starting system	53696723.13
20	Auxiliaries Control Panel	835789.395
21	Neutral Ground Transformer (GTG)	4457542.205
22	GBC-I&II assembly including of Dry Gas seal Assembly, Lube Oil Reservoir pump assembly, intercoolers, Twin oil Cooler, By pass coolers, Over Head Oil Tank	273608389.4
23	GBC-I&II Auxiliaries such as Anti surge control valves, suction valves, discharge valves local control panel, Dry gas seal control skids, accessory cabins, TSI Rack.	160148419.5
24	Gas Fuel system such as Gas conditioning skid. Gas conduct drain tank, flame arrester, on line calorimeter. Gas piping, valve & fittings Gas Flow meter.	64821515.23
25	Building	0
	a. GBC	55719251.39
	b. GT	12578623.88
26	Guillotine Damper	2230573.086
27	MCC & DCDB	0
	a. GTG MCC & DCDB	22844893
	b. STG MCC	9550280.009

	c. GBC MCC	3153711.194
28	UPS Battery	5292947.489
	a. 125V battery charger	4736136.237
29	Air Drying unit (without cooler)	843064.194
30	a. 15 MVA SAT 2 Nos.	28974007.89
	b. 2.25 MVA UAT	18108756.76
31	Bus Ducts (GTG)	23938943.43
	(STG)	19304284.95
32	90 MVA Transformer (with oil)	45856544.93
33	50 MVA transformer (with oil)	28673576.09
34	GTG Circuit Breaker	992431.6815
	<b>Total</b>	<b>316,89,18,605</b>

<b>(d) Valuthur Gas Turbine Power Station -Phase-I</b>		
Date of Commissioning - 13.03.2003		
<b>Sl.No</b>	<b>Description</b>	<b>Reinstate value in Rs.</b>
1	Gas Turbine (FR 6FA) with mark-V electronic, controls DLN system & BNC vibration monitoring system with lube oil/console.	1722113703
2	G.T. Accessory skid	57976995.47
3	Gas Turbine Generator	117781529.3
	i.GT Gen. &Assly	0
	ii. Gen. Bearing	0
4	Load Gear box	43897192.55
5	Load coupling & Hard wares (1 set)	11518216.47
6	Inlet air filters & Accessories (1 set)	32675160.2
	i. Cooler For air drying unit	0
	ii.Inlet air filter system	0
	iii.Inlet filter cartridges	0
7	Inlet ducting	7839699.888
8	Expansion joints (4 Nos.)	5850524.458
9	Silencer panels (10 Nos.)	4972943.046
10	Diverter damper	16088926.63
11	Guillotine damper	11268083.16
12	Mist eliminator	3071523.458
13	Compressor water wash skid	2398716.318
14	Motor control centre and DCDB	1175761.627
15	UPS, batteries & chargers including 125V GT battery & charger	42188111.14
16	GT & STG enclosures	24279663.93
17	Vent fans 1 set	2486469.609
18	Exhaust frame blowers	6654969.832
19	Starting system	72308784.85
20	Air Drying unit	336408.6756
21	Auxiliary control panel	351033.5861
22	Transformers	35980705.18
	i. 15MVA UAT 2 Nos.	0
	ii. 2MVA AP14 Nos.	0
	iii. Lighting transformer	0
23	11KV circuit breaker GTG & STG	59828894.06
24	Bus duct: GTG & STG	37150811.6
25	NGT: GTG & STG	2106186.202
26	<b>A.</b> GBC – Assly-I and its auxiliaries like dry gas seal Assly, inter cooler, Bye pass cooler vibration monitoring system and temperature	168101146.7



	monitoring system motors and scrubber	
	<b>B.</b> GBC-Assly-II and its auxiliaries like dry gas seal assly, inter cooler, bye pass cooler vibration monitoring system and temperature monitoring system motors and scrubber.	158837444.4
27	<b>A.</b> GBC-I Anti surge control valve and controller, suction & discharge valves, local control panel auxiliary cabinet assly DGS control system.	43403553.65
	<b>B.</b> GBC-II Anti surge control valve and controller suction & discharge valves, local control panel auxiliary cabinet assly, DGS control system.	42014053.16
28	Main Oil pump assly.	877578.8601
29	Auxiliary oil pump Assly.	699972.7941
30	Standby oil pump Assly.	699972.7941
31	Twin Oil cooler	3529033.386
32	Gas Conditioning skid	14041255.39
33	OH Tank	705807.9534
34	Buildings	24329523.14
35	i. 90 MVA Transformer	35092343.02
	ii. 50 MVA transformer	26290353.64
	<b>Total</b>	<b>284,09,23,054</b>

<b>(e) Valuthur Gas Turbine Power Station -Phase-II</b>		
Year of Commissioning 2008		
<b>Sl.No.</b>	<b>Description</b>	<b>Reinstate value in Rs.</b>
1	Gas Turbine (Ansaldo - Model V 64.3A) with lube oil and hydraulic oil skid.	1157574324
2	G.T. Accessory & Controls	181205663.7
3	Gas Turbine Drainage system + ejector	3543979.911
4	Gas Turbine Air drying system	770442.6776
5	Pneumatic system for blow off & valves	36826638.64
6	Fuel Gas skid control valves & actuators	24345648.96
7	Control diffuser (Exhaust)+ Expansion joint	22650698.54
8	Gas Turbine Generator (Stator & Rotor)	300468556.2
9	Gas Turbine Load Gear box & Turning Gear	48537213.72
10	Inlet air filter, Evaporative Cooler & Pulse Jet (1 set)	135596076.5
11	Compressor water wash skid	1849032.054
12	Diverter damper	55008441.12
13	Guillotine damper	38418591.87
14	Ducting, Expansion joints & Silencer Baffles	57245883.95
15	Diverter damper	3519884.999
16	Guillotine damper	27722507.46
17	Gas Turbine out door, skid gas indoor, auxiliaries outdoor, Gear box outdoor, Conical diffuser outdoor electrical & control equipment's outdoor and Generator outdoor enclosures.	70263430.06
18	GBC - (Ariel - Model - JGC/4) Reciprocating Gas booster compressor skid with piping and instruments	84073216.46
19	Gas Conditioning skid	51868367.31
20	110/11 KV 80MVA GTG Transformer	181278173
21	110/11KV 41 MVA STG Transformer	115949932.4
22	11KV/6.9 KV - 12.5 MVA UAT	185636982.2
23	NGT for GTG UAT	8017807.533
24	11 KV GTG GCB	75039807.87
25	11 KV STG GCB	18749625.26
26	6.6 KV /433V- APT 2000 KVA	45191091.92
27	1.1 KV, 3200 A Bus duct from APT	61535407.58
28	Control & Relay panel for 110KV system.	43015290.94
29	6.6KV Bus duct	56883966.24
30	415 V /1050 KVA D.G set	15280120.2
31	Static Frequency Controller (SFC)	67489848.16
32	Buildings	24884770.71
	<b>Total</b>	<b>320,04,41,422</b>

## SECTION – VI

### SPECIFICATION NO. SE/GTS/OT-16/2025-26

#### ABSTRACT OF PREMIUM FOR GAS TURBINE POWER STATIONS PRICES IN RUPEES

Location	Sum Insured in Rs	Period	Premium in Rs	Applicable GST in %	Applicable TCS in Rs	Total Premium in Rs.
Basin Bridge Gas Turbine Power Station	37,75,19,328/- (Asset value)	One year				
Thirumakottai Gas Turbine Power Station	138,28,98,135/- (Asset value)	One year				
Kuttalam Gas Turbine Power Station	316,89,18,605/- (Re-instate value)	One year				
Valuthur Gas Turbine Power Station ( Phase I )	284,09,23,054/- (Re-instate value)	One year				
Valuthur Gas Turbine Power Station (Phase II)	320,04,41,422/- (Re-instate value)	One year				

**Note :To be quoted on-line**

CHIEF ENGINEER/MTS & GTS

**SCHEDULE – A**

**SPECIFICATION NO.: SE/GTS/O.T.No.16/2025-26**

**DEVIATIONS FROM COMMERCIAL TERMS**

All deviations from the commercial terms shall be filled in by the tenderer, clause wise, in this schedule.

Sl. No.	Section No.	Clause No.	Deviation

The tenderer hereby certifies that the above mentioned are the only deviations from the commercial terms and the tender conforms to the specification in all other aspects.

COMPANY SEAL

SIGNATURE :  
NAME :  
DESIGNATION :  
DATE :