

**SPECIFICATION NO.HE -2423**



**TAMIL NADU GENERATION AND DISTRIBUTION  
CORPORATION LIMITED**

**SPECIFICATION No. HE-2423**

**E\_TENDER SPECIFICATION FOR RECTIFICATION  
OF SHEARED RUNNER BOLTS BY DISMANTLING  
ALL TURBINE ASSEMBLIES, REFURBISHMENT OF  
EXISTING RUNNER WITH EXISTING TURBINE  
SHAFT, RE-ASSEMBLING & RE-ALIGNMENT OF  
WHOLE UNIT AND RE- COMMISSIONING OF THE  
UNIT-I AT KADAMPARAI POWER HOUSE IN  
KADAMPARAI GENERATION CIRCLE.**

**( E-TENTERING Through NIC Tamil Nadu Government  
portal platform)**

**July -2022**

OFFICE OF THE  
SUPERINTENDING ENGINEER/HYDRO (ELECTRICAL)  
5<sup>th</sup> FLOOR, EASTERN WING  
NPKRR MAALIGAI  
144, ANNA SALAI, CHENNAI - 600 002.

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Service Provider :

Website for online bid submission:

**<https://tntenders.gov.in/nicgep/app>** of National informatic Centre's  
(NIC) TamilNadu Government Portal)

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**TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED**  
**SPECIFICATION NO. HE –2423**  
**F O R E W O R D**  
**INVITATION FOR BID**

For and on behalf of TANGEDCO, e-tenders are invited under Open Tender –Two part system for the following work:

1.	Specification No.	E-tender specification HE –2423
2.	Name of Work	E-Tender for Rectification of sheared Runner bolts by dismantling all Turbine assemblies, Refurbishment of existing Runner with existing turbine shaft, re-assembling & re-alignment of whole unit and Re-Commissioning of the Unit-I at Kadamparai Power House in Kadamparai Generation Circle.
3.	Method of Tender	e-Tender Two part System (Online Part I – Techno-Commercial Bid and Part II – Price Bid and Through <a href="https://tntenders.gov.in/nicgep/app">https://tntenders.gov.in/nicgep/app</a> of National Informatics Centre's (NIC) TamilNadu Government Portal)
4.	(a) Earnest Money Deposit (EMD)	Rs.1,16,000/- (Rupees One Lakh Sixteen thousand only). EMD can be paid through RTGS/NEFT or by way of account transfer to TANGEDCO's account as below:  Account No.: 0911201003004 Name of Bank: CANARA BANK, 800, Electricity Avenue, Mount road, Anna Salai, Chennai-2. IFSC Code : CNRB0000911
	Or (b) Permanent E.M.D.	:Rs.20,00,000/- or above at TANGEDCO Head Quarters held on or after 03.12.2021
5.	URL for online bid submission for e-tender	<a href="https://tntenders.gov.in/nicgep/app">https://tntenders.gov.in/nicgep/app</a>
6.	Tender document download start date and time	15.07.2022 @ 12.00 Hrs
7.	Bid submission start date and time	16.07.2022 @17.00 Hrs
8.	Bid submission closing date and time	01.08.2022 @14.00 Hrs
9.	Last date for submission of EMD	01.08.2022 @12:00 Hrs
10.	Date & time of opening of e-tender(techno commercial bids)	02.08.2022 @14.30 Hrs
11.	Specification at website	The tender specification will be placed on TANGEDCO web site ( <a href="http://www.tangedco.gov.in">www.tangedco.gov.in</a> )

		TN Govt. Website ( <a href="http://www.tender.tn.gov.in">www.tender.tn.gov.in</a> ) and NIC's portal ( <a href="https://tntenders.gov.in/nicgep/app">https://tntenders.gov.in/nicgep/app</a> ). The prospective bidders may download the same from the web sites free of cost.
12	Documents to be uploaded by the Tenderers during e-submission	The techno-commercial bid and Price Bid (BOQ) and all documents scanned in support of the following shall be uploaded with the bid : 1. EMD. 2. BQR 3. Schedules B to G and other documents whichever is applicable as per the tender Specification requirements.
13	Clarification to be sought for from	The Chief Engineer/ Hydro, Tamil Nadu Generation and Distribution Corporation Ltd, 5 <sup>th</sup> Floor, Eastern Wing, NPKRR Maaligai, 144, Anna Salai, Chennai – 600 002. Ph.044-2852 0409 E-mail:cehe@tnebnet.org, sehe@tnebnet.org
14	Place at which tender will be opened	O/o.The Superintending Engineer/ Hydro (Electrical), TANGEDCO, 5 <sup>th</sup> Floor/ Eastern wing, NPKRR Maaligai,144, Anna Salai, Chennai-2. E-mail: <a href="mailto:sehe@tnebnet.org">sehe@tnebnet.org</a>

**NOTE:**

1. In the event of the specified date of opening of bids being declared holiday, the bid shall be opened on the next working day at the same time and venue.
2. Bid document can be downloaded free of cost and submitted online through the website <http://tntenders.gov.in/nicgep/app> only by those bidders, who are having valid Digital Signature Certificate and the bid document cannot be purchased from the Office of the Chief Engineer/Hydro by remitting the cash in the office of the Chief Engineer and no pre request for issue of bid document will be entertained in the Office of the Chief Engineer /Hydro.
3. The Contractors who had downloaded the Bid document from the website shall submit the Bid document through NIC Website before the scheduled time of submission. The electronic bidding systems would not allow any late submission of bids.
4. The Tenderers shall ensure whether any Clarification/Amendment/ Corrigendum are issued to the bid, before submission of their Tender, by visiting the respective Website regularly.
5. For other details, refer "**General Instruction to Tenderers**" in the tender document.
6. The scanned copy of e-transaction receipt reflecting UTR number/ Bank account scroll of payment of EMD or copy of proof of exemption of EMD, as the case may be physically sent on demand, should tally with the details available in the

scanned copy and the data entered/uploaded during bid submission time. Otherwise the bid will be summarily REJECTED.

## **E-TENDERING METHODOLOGY**

### **INSTRUCTIONS TO BIDDERS FOR ONLINE BID SUBMISSION:**

The bidding under this contract is electronic bid submission through website <https://tntenders.gov.in/nicgep/app> only. Detailed guidelines for viewing bids and submission of online bids are given on the website. Any citizens or prospective bidders can login to this website and view the invitation for Bids and can view the details of works for which bids are invited.

### **REGISTRATION:**

1. The prospective bidders can submit bids online, however, the bidders are required to have enrolment/registration in the website by clicking on the link "Online bidder enrolment" which is free of charge.
2. As part of the enrolment process, the bidders are 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 details would be used for any communication from the e-Portal.
4. Upon enrolment, the bidders are required to register their valid Digital Signature Certificate (DSC) (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 can login to the site through the secured login by entering their user ID / password and the password of the DSC / e-Token.

### **SEARCHING FOR TENDER DOCUMENTS**

1. There are various search options built in the Website, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc.
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 the Tamil Nadu Govt. e-Procurement Portal, to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

### **PREPARATION OF BIDS**

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Bidders are requested to go through the NIT 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 the bid 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 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 a 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.
5. The completed bid comprising scanned copy of the proof for the payment of EMD or exemption from payment of EMD and necessary technical and commercial documents should be uploaded on the website along with signed and scanned copies of requisite certificates as are mentioned in the different sections in the tender document.

#### **ELECTRONIC SUBMISSION OF BIDS:**

The bidder shall submit online the requirements under EMD, qualification criteria and Technical Documents required and Price Schedule/BOQ. All the documents are required to be signed digitally by the bidder. After electronic online bid submission, the system generates a unique bid reference number which is time stamped. This shall be treated as acknowledgement of bid submission.

#### **PROCEDURE FOR SUBMISSION OF BIDS:**

- i. Bidder should log into the site well in advance for bid submission so that he/she 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.
- ii. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- iii. Bidder has to select the payment option as "offline" to pay the EMD amount through RTGS/NEFT by way of account transfer as applicable and enter details of the instrument.
- iv. The scanned copy of e-payment receipt of EMD amount/Proof for PEMD /Proof of exemption of EMD has to be uploaded. Otherwise the uploaded bid will be rejected. TANGEDCO shall not be responsible for any delay in submission of EMD by any mode.
- v. A BOQ format for the price bid has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the BOQ format provided and no other format is acceptable. Bidders are required to download the BOQ file, open it and complete the colored (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 the file name. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

- vi. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- vii. 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 encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys.
- viii. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- ix. Upon the successful and timely submission of bids, (i.e. 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.
- x. 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.
- xi. Department or Service Provider is not responsible for any failure such as a bad internet connection or power failure outside of their control. The bidder is responsible to ensure they have sufficient time to submit an electronic bid prior to closing date and time including the payment of any fees including the Bid security and getting e-receipt. In case of a failure in the system within the control of the service provider that may affect a bidding process, the contracting authority on his sole discretion will postpone the closing time at least 24 hours from the time of system recovery to allow bidders sufficient time to submit their bids.
- xii. The TANGEDCO may, at its discretion, extend the deadline for the submission of bids by amending the bidding document, in which case all rights and obligations of TANGEDCO and bidders subject to the previous deadline shall thereafter be subject to the deadline extended.

#### **LATE BIDS:**

The Electronic bidding system would not allow any late submission of bids after due date and time as per server time.

#### **MODIFICATION AND WITHDRAWAL OF BIDS:**

1. Bidders may modify their bids online before the deadline for submission of bids.



2. In case a bidder intends to modify his bid online before the deadline, the bidder need not make any additional payment towards the cost of bid processing. For bid modification and consequential re-submission, the bidder is not required to withdraw his bid submitted earlier. Modification and consequential re-submission of bids is allowed any number of times. The last modified bid submitted by the bidder within the bid submission time shall be considered as the bid. For this purpose, modification/withdrawal by other means will not be accepted. The bidder may withdraw his bid by uploading his request before the deadline for submission of bids, however, if the bid is withdrawn, the re-submission of the bid is not allowed.
3. No bid may be modified after the deadline for submission of Bids.

#### **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 CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.
3. Pre-Bid meeting if necessary, will be held, as per the date and time stipulated in "Foreward" , where intending Tenderers may obtain the necessary techno-commercial clarifications, if any, from TANGEDCO, before submitting their tender.

## SECTION – I EARNEST MONEY DEPOSIT

1. Tenderer should pay the specified amount towards Earnest Money Deposit, as follows. Earnest Money Deposit: Rs.1,16,000/- (Rupees One Lakh Sixteen thousand only).
2. The Earnest Money Deposit specified above should be in the form of NEFT/ RTGS/Account Transfer paid to TANGEDCO's account as below:

Account No.: 0911201003004  
 Name of Bank: CANARA BANK,  
 800, Electricity Avenue, Mount road,  
 Anna Salai, Chennai-2.  
 IFSC Code : CNRB0000911

The bidders who are willing to remit EMD through Bank Account by way of account transfer of same bank are requested to place a copy of bank account scroll of bidders duly exhibiting the transaction of EMD amount with details of name of the bank, bank account number of the bidder and IFSC code. The EMD amount has to be received in "TANGEDCO's COLLECTION ACCOUNT" through e-payment, 2 hours before closing of tender. **EMD amount received beyond tender closing time will be summarily rejected.**

3. The scanned copy of proof for payment of EMD (ie. e-payment receipt) has to be uploaded. Scanned copy of the E-receipt uploaded should duly reflect the UTR Number/Fund Transfer reference. The bids not uploaded with EMD proof will be summarily rejected.
4. The EMD will not carry any interest.
5. The Tenderers who are having valid Permanent EMD at TANGEDCO Headquarters held on or after 03.12.2021, are exempted from payment of Earnest Money Deposit and are eligible to participate in the tender as below:

Sl.No	PEMD Slab	Monetary limit of tender value of participate without payment of EMD.
1.	Rs.2,00,000/-	In case of all Iron and Steel materials, main producers (Government of India Undertaking only) for procurement of Iron & Steel materials.
2.	Rs.20,00,000/-	In case of Tenders not exceeding Rs.10 Crores in value.
3.	Rs.40,00,000/-	In case of Tenders not exceeding Rs.50 Crores in value.
4.	Rs.1,00,00,000/-	In case of all Tenders without any monetary limit.

Scanned copy of Proof of PEMD shall be uploaded. The bids not uploaded with EMD/PEMD proof will be summarily rejected.

6. If the Tenderer desires to become a Permanent E.M.D. holder, he is advised to deposit the required amount with the TANGEDCO as Permanent E.M.D. well in advance, obtain a certificate from the Financial Controller/Purchase/

- TANGEDCO and upload copy of the same along with the tender.
7. The Earnest Money Deposit will be refunded to the unsuccessful tenderers on finalisation of tender and on getting application for refund to the Superintending Engineer / Hydro (Electrical) along with pre- stamped receipt. The EMD deposit will be refunded to the successful tenderers on receipt of the detailed Contract order and also after submission of Security cum Performance Guarantee.
  8. Any other mode of payment of EMD other than NEFT/RTGS/Account Transfer shall not be accepted towards EMD and the tenders shall be rejected if EMD is not paid in the prescribed manner. Cheque/Bank Guarantee will not be accepted towards EMD.
  9. The following categories of industries are exempted from payment of Earnest Money Deposit.
    - a. Departments of the Government of Tamil Nadu.
    - b. Undertakings and Corporations owned by Government of Tamil Nadu.
    - c. Labour Contract Co-operative Societies registered within Tamil Nadu.
    - d. The Small Scale Industrial Units who have registered under UDYAM Portal for the tendered item shall upload UDYAM Registration certificate as detailed in the Clause 14.
    - e. NSIC registration certificate can be accepted for EMD exemption provided such registration is valid on the date of tender opening and also made for the tendered item.

**NOTE:** SSI units having provisional registration certificate are not eligible for EMD Exemption.

- 11.0 Those Tenderers who are exempted from payment of EMD (Inclusive of PEMD holders), should note that," Having examined the tender specification together with the schedules attached, the bidder is deemed to accept to pay the amount equivalent to EMD, together with costs if any, in the events of non-fulfillment of the conditions stipulated in the tender specifications i.e in all cases where EMD paid will be forfeited. The State Government, Public Sector undertakings who are exempted from payment of EMD should also pay as penalty an amount equivalent to the amount fixed as EMD together with costs if any, in the event of non-fulfillment or non-observance of any of the conditions stipulated in the contract. The GST applicable for the above shall also be paid to TANGEDCO by the bidder.
- 12.0 Others viz. Central and Other State Government Departments, Undertakings and Corporations other than Tamil Nadu shall have to pay Earnest Money Deposit.
- 13.0 The tenderers shall upload the audited attested copy of Profit and Loss account/Balance Sheet along with the proof for exemption from payment of EMD in order to ensure the SSI status of the firm based on the investment held in Plant and Machinery for extending exemption from paying EMD.  
In case the investment held by them in Plant and Machinery as per their financial statement of Accounts exceeds ten crore rupees and turnover exceeds fifty crore rupees, the General Manager, District Industries Centre concerned will be requested to verify the SSI status of the firm. Till receipt of confirmation from General Manager / District Industries Centre concerned, the exemption from paying EMD for SSI Units shall not be extended.

#### **14.0 Exemption from payment of EMD to Micro & Small Industries under MSMED Act 2006:**

14.1 Government of India, Ministry of MSME, vide Notification No.S.O.2119(E) dated 26.06.2020 has notified certain composite criteria for classifying the enterprises as Micro, Small and Medium Enterprises and insisted Udyam registration in "Udyam Registration Portal" to obtain an e-certificate viz. Udyam Registration Certificate.

#### **14.2 Composite Criteria:**

A composite criteria of investment in Plant and Machinery or equipments and turnover has been specified to classify an enterprises as Micro, Small and Medium.

The composite criteria stipulated in the said notification are to be complied by **the micro and small industries for claiming EMD exemption.**

#### **14.3 Classification of Enterprises:**

An enterprise shall be classified as a micro, small or medium enterprises on the basis of the following criteria, namely:--

(i) a micro enterprise, where the investment in plant and machinery or equipment does not exceed one crore rupees and turnover does not exceed five crore rupees;

(ii) a small enterprise, where the investment in plant and machinery or equipment does not exceed ten crore rupees and turnover does not exceed fifty crore rupees; and

(iii) a medium enterprise, where the investment in plant and machinery or equipment does not exceed fifty crore rupees and turnover does not exceed two hundred and fifty crore rupees.

#### **14.4 Calculation of Turnover:**

In calculation of turnover of an enterprises, Exports of goods or services or both, shall be excluded while calculating the turnover of any enterprise whether micro, small or medium, for the purposes of classification.

The bidders should submit the certificate from Chartered Accountant, along with the bids whose turnover includes export proceeds, for ascertaining the turnover achieved on export of goods or services or both and included in the total turnover.

#### **14.5 Calculation of Investment:**

The Plant and Machinery shall have the same meaning as assigned to the plant and machinery in the Income Tax Rules, 1962 framed under the Income Tax Act, 1961 and shall include all tangible assets (other than land and building, furniture and fittings). The cost of certain items specified in the *Explanation I* to sub-section (1) of section 7 of the Act shall be excluded from the calculation of the amount of investment in plant and machinery.

The investment value in Plant and Machinery for the purpose has to be certified by a Chartered accountant and the same is to be uploaded in the bid in case the bidder claims EMD exemption.

#### 14.6 **Registration of existing enterprises:**

- i. All existing enterprises registered under EM-Part-II or UAM shall register again on the Udyam Registration portal on or after the 1st day of July, 2020.
- ii. All enterprises registered till 30th June, 2020, shall be re-classified in accordance with the said notification.
- i. The existing enterprises registered prior to 30.06.2020, through Udyog Aadhar memorandum, EM Part II etc are extended for its validity till 31.03.2022 vide Government of India, Ministry of MSME's notification No.S.O.278(E) dated 19.01.2022 .
- ii. An enterprise registered with any other organisation under the Ministry of Micro, Small and Medium Enterprises shall register itself under Udyam Registration.

#### 14.7 **Updation and transition period in classification:**

An enterprise having Udyam Registration Number shall update its information online in the Udyam Registration portal, including the details of the ITR and the GST Return for the previous financial year and such other additional information as may be required, on self declaration basis.

In case of an upward change in terms of investment in plant and machinery or equipment or turnover or both, and consequent re-classification, an enterprise will maintain its prevailing status till expiry of one year from the close of the year of registration.

In case of reverse-graduation of an enterprise, whether as a result of re-classification or due to actual changes in investment in plant and machinery or equipment or turnover or both, and whether the enterprise is registered under the Act or not, the enterprise will continue in its present category till the closure of the financial year and it will be given the benefit of the changed status only with effect from 1st April of the financial year following the year in which such change took place.

#### 15.0 The following should be uploaded by the Vendor during submission of Techno-commercial bid for payment of EMD failing which the offer will be **SUMMARILY REJECTED.**

- i) The e-receipt of payment of EMD through NEFT/RTGS/Account transfer.
- ii) The proof of Permanent EMD Holder.
- iii) The attested copy of proof of exemption of EMD and documents in support of investment held in plant and machinery.

#### 16.0 The Earnest Money Deposit made by the tenderer will be forfeited after e-tender opening 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) The tenderer violates any of the provisions of these regulations contained herein.

- (d) The tenderer revises any of the terms quoted during the validity period.
- (e) In the event of the documents furnished with the offer being found to be bogus or the documents contain false particulars, the EMD paid by the tenderers will be forfeited in addition to blacklisting them for future tenders/contracts in TANGEDCO.
- (f) In case of tenderers participating on the strength of PEMD, an amount equivalent to the EMD for this specification will stand forfeited in the event of such tenderer committing any of the acts listed above.
- (g) The EMD forfeited will also attract GST@18% and will be additionally collected from the tenderers.

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## **SECTION – II**

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

**The BIDDER shall become eligible to bid on satisfying the following:**

1. The bidders should have executed any major rectification works in Runner/Turbine Shaft/Main Inlet Valve of Runner in Hydro/Thermal Power Stations, for a value not less than Rs.30 Lakhs in a single order. The above work should have been carried out at any State Electricity Boards or PSUs or Govt. of India or state government organization or Undertaking of Central Govt. or State Govt. during the preceding Ten years as on the date of tender opening. Photo copies of purchase order/Works Contract Order should be uploaded as evidence.
2. The works carried out in BQR 1 should have met a satisfactory performance for a minimum period of one year as on the date of opening of the tender during any time within the preceding ten years. The bidders should upload the end user certificate for the same Purchase Order/ Works Contract Order furnished against BQR (1).
3. The annual turnover of the bidder shall be more than Rs.29.22 Lakhs in any one of the last three financial years preceding the year 2021-2022 (2018-19, 2019-20 & 2020-21). In case of bidders who happen to be the companies registered under companies Act-1956, attested copy of Audited financial statements like, Profit and Loss A/c and Balance Sheet for all the preceding 3 years (2018-19, 2019-20 & 2020-21) should be furnished and in case of others, the Annual turnover certified by the practicing Chartered Accountant or attested copy of income tax statements containing annual turnover for all the 3 years should be enclosed as documentary proof to ensure the turnover criteria prescribed in the tender specification.

**Note:**

1. The bidders should upload the documentary evidences for the above along with the offer only. All the above documents shall be duly attested by a competent authority like Notary public, Gazetted officer etc.
2. The end user certificate should necessarily contain the date of completion of work, date of commissioning and date of issue specifically to ascertain the period of satisfactory performance. If any clarification or need arises in the end user certificate it may be obtained separately by the tender inviting authority from the particular utility who have issued Purchase order or end user certificate.
3. The offer of the bidders who have stated to be previous suppliers to TNEB/TANGEDCO/TANTRANSCO will be considered for further evaluation, even though they have not enclosed copies of purchase orders/ end user certificate after ensuring with concerned purchase order placing authorities.

**THE OFFERS OF BIDDERS NOT SATISFYING THE ABOVE BID QUALIFICATION REQUIREMENTS WILL BE SUMMARILY REJECTED**

### **SECTION – III** **REJECTION OF TENDERS**

- I. Tender will be **SUMMARILY** rejected if
  - (a) The EMD requirements are not complied with.
  - (b) Bid Qualification Requirements are not fully met.
  - (c) Received by Telex/Telegram/E-Mail/fax.
  - (d) The price bid/ price schedule is indicated/uploaded along with the technical bid, in any format
  - (e) The details of the e-receipt do not tally with the details available in the scanned copy and the data entered during bid submission time.
  - (f) The BOQ (Price bid) file is found to be modified by the bidder.
  
- II. Tender is **LIABLE** to be rejected, if it is:
  - a. Not covering the entire scope of work.
  - b. If the declaration as specified in Schedule E and F are not signed and uploaded.
  - c. With validity period less than that stipulated in this specification.
  - d. Not in conformity with TANGEDCO's Commercial terms and Technical Specifications (Section - V & VI).
  - e. Received from a tenderer who is directly or indirectly connected with Government Service or TANGEDCO Service or Service of local authority.
  - f. From any black listed Firm or Contractor.
  - g. From a tenderer whose past performance/Vendor rating is not satisfactory.
  - h. Not containing all required particulars as per Schedules.
  - i. Submission after the expiry of the due date and time.
  - j. Documents furnished by the Tenderers along with their offer being found to be bogus or contain false particulars.
  - k. Questionnaire as per Schedule-G is not duly filled up and properly signed by the tenderer.
  - l. Not furnished the GSTIN in the offer.
  - m. Not furnished the HSN/ SAC code in the offer.
  - n. Even though the Bidder meets the qualifying criteria, they are subject to disqualification if they have record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.
  
- III. Tenderers shall furnish the guaranteed technical particulars along with the tender to avoid rejection.



## **SECTION – IV**

### **GENERAL INSTRUCTIONS TO TENDERERS**

- 1.1 E-tender in Two Part System (I) Technical Bid with Commercial terms but without Price Bid and (II) Price Bid will be received through e-tendering for and on behalf of TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED, herein after referred as TANGEDCO, so as to upload on or before the due date prescribed. All the tenders shall be uploaded and submitted strictly in accordance with the instructions set forth herein. THE TENDERERS WHO DO NOT FULFILL THE "BID QUALIFICATION REQUIREMENTS "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.
- 1.2 The Tamil Nadu Transparency in Tenders Act 1998 and Tamil Nadu Transparency in Tender Rules 2000 and subsequent amendments thereof are applicable to this Tender Specification.
- 1.3 The tender documents are available in TANGEDCO web site ([www.tangedco.gov.in](http://www.tangedco.gov.in)) and Government web site (<https://tntenders.gov.in/nicgep/app>)/Government website ([www.tenders.tn.gov.in](http://www.tenders.tn.gov.in)) and may be down loaded free of cost.
- 1.4 The tenderers who have downloaded the specification from TANGEDCO website ([www.tangedco.gov.in](http://www.tangedco.gov.in))/Government website (<https://tntenders.gov.in/nicgep/app>)/Government website ([www.tenders.tn.gov.in](http://www.tenders.tn.gov.in)) shall ensure whether any clarification/amendment is issued to the specification before submission of their tender, by visiting the above websites.

### **2.0 SCOPE OF WORK:**

- 2.1 Rectification of sheared Runner bolts by dismantling all Turbine assemblies, Refurbishment of existing Runner with existing turbine shaft, re-alignment of whole unit and Re- Commissioning of the Unit-I at Kadamparai Power House in Kadamparai Generation Circle as per the technical specifications in Section VI. The entire scope of works is given in detail in Section-VI.
- 2.2 Tenderers are requested to inspect the site positively before tendering so as to obtain additional information if any. The tenderers alone will be responsible for all the consequences for ignoring the advice of site visit and TANGEDCO will in no way be liable for any claim on this ground at a later date.
- 2.3 The tenderers are requested to contact Superintending Engineer/Kadamparai Generation Circle / Minparai regarding any further technical details and field visit to inspect the site.

### **3.0 SUBMISSION OF TENDER OFFER:**

The Tenderer is expected to examine all instructions terms and Schedules detailed in the Specification and submit the Schedule of prices and other required particulars in the schedules called for in this specification, only as per the formats prescribed, herein.

### **3.1 QUESTIONNAIRE FILLING:**

A Questionnaire is appended as Schedule-G in this specification for Bid Qualification Requirements, Commercial and Technical details. It is obligatory on the part of the tenderer to furnish all details as per the "Questionnaire". In case, this is not filled up and signed at the bottom of each page of the questionnaire and uploaded with the offer, the Bid will be liable for rejection.

### **4.0. TWO PART TENDER:**

The e-Tenders shall be in TWO Part as detailed below:

#### **i) Part I shall contain:**

- (a) Proof for payment of EMD/Exemption from payment of EMD/Undertaking in lieu of EMD in case of EMD exemption/PEMD holders
- (b) Documentary evidences to satisfy the Bid Qualification Requirement and all required technical and commercial documents as required in the Specification.

#### **ii) Part II shall contain the PRICE BID (BOQ)only.**

If the price bid/price schedule is indicated/uploaded along with the technical bid, the offer will be summarily rejected.

- 4.0.1. The Tender Offer consisting of Schedules-B to G should be filled up and 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.
- 4.0.2. 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 uploaded) 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 uploaded.
- 4.0.3. Tender submitted on behalf of companies registered under the Indian Companies Act, shall be signed by person duly authorised to submit the tender on behalf of the company and shall be accompanied by certified true copies of the resolutions, extracts of the Articles of Association, special or general Power of Attorney etc to show clearly the title, authority and designation of persons signing the tender on behalf of the company.
- 4.0.4. The tenderer should furnish the GSTIN numbers in the offer.

### **4.1. Modifications/Clarifications to Tender Documents:**

- 4.1.1. At any time after the commencement of e-Tender and before the closing of the event, TANGEDCO may make any changes, modifications or amendments to the tender documents and same will be intimated to the concerned Vendors through corrigendum which can be downloaded from the Vendor login.
- 4.1.2. In case any tenderer asks for a clarification to the tender documents before 48 hours of opening of tenders, the CE/Hydro/TANGEDCO/ Chennai-2 will

clarify the same.

- 4.1.3. If any tenderer raises clarifications after the opening of the tender, the clarified reply issued by the Chief Engineer/Hydro, TANGEDCO, Chennai-600 002 on the clarifications will be final and binding on the Tender.
- 4.1.4. If the tenderer finds discrepancies/omissions or any ambiguity in any of the terms and conditions stipulated in this specification, he shall get it clarified, in writing at least 48 Hours before opening of the tender, from the Chief Engineer/Hydro/TANGEDCO, 5<sup>th</sup> Floor, NPKRR Maaligai, Electricity Avenue, 144, Anna Salai, Chennai – 600 002. All such clarifications/interpretations shall form a part of specification. Verbal clarifications and information obtained by the tenderer shall not in any way be binding on the Corporation. If this is not done and subsequent to the opening of the tenders, it is found that the doubt about the meaning or ambiguity in the interpretation of any of the terms and conditions stipulated in the specification are raised by the tenderer, either in this tender or by a separate letter, the interpretation or clarification issued by the Chief Engineer / Hydro, Tamil Nadu Generation and Distribution Corporation Limited, Chennai – 2 on such of those terms and conditions of the Tender Document as may be raised by the tenderer shall be final and binding on the tenderer.
- 4.1.5. All tender offers shall be prepared by typing or printing in the formats enclosed with this specification.
- 4.1.6. 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. Such erasures or other changes in the tender documents shall be attested by the persons signing the tender offer.
- 4.1.7. The offer shall contain full information asked for in the accompanying schedules and elsewhere in the specification.
- 4.1.8. Tenderer shall bear all costs associated with the participation in the e-Tender, and the PURCHASER will in no case be responsible or liable for these costs.
- 4.1.9. 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.
- 4.1.10. The Tenderers are requested to furnish the exact location of their factories with detailed postal address, Pin Code, Telephone and Fax Nos., e\_mail etc., in their tender so as to arrange inspection by the Corporation if considered necessary.
- 4.1.11. It will be the responsibility of such tenderer to fully be informed himself of all local conditions and factors which may have any effect on the equipments/materials/execution of works covered under these specification and documents.

4.1.12. It must be understood and agreed that such factors are properly investigated and considered while submitting the proposals. No claim for financial adjustment to any tender awarded under this specification and document will be permitted by the TANGEDCO. Neither any change in the time schedule of the tender nor any financial adjustment arising thereof shall be permitted by the TANGEDCO, which are based on the lack of such clear information or its effect on the cost of the "supply" to the tenderer.

4.1.13. Tenders received from Agents will not be considered.

4.1.14. 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.

## **4.2. QUOTATION OF RATES:**

4.2.1. Rates should be quoted figures i.e., integers only.

4.2.2. Offers giving lumpsum price, without giving their breakup as per details required in the attached Price Schedule-A shall be liable for rejection.

## **4.3. 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.

## **4.4. INCOMPLETE TENDERS:**

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

## **5.0. TENDER OPENING:**

### **5.1 OPENING OF COMMERCIAL & TECHNICAL BIDS WITHOUT PRICE (PART-I):**

5.1.1 The Tender offers except price Bid will be opened electronically at 14.30 Hrs. on the date notified at the Office of the Superintending Engineer/ Hydro (Electrical), 5<sup>th</sup> Floor, Eastern Wing, NPKRR Maaligai, 144, Anna Salai, Chennai-600 002, through <https://tntenders.gov.in/nicgep/app> at scheduled date and time and this could be viewed by bidders online on the date and time mentioned as above.

5.1.2 In all cases, the amount of bid security and validity of the bid shall be scrutinized. Receipt of original instrument of bid security shall be confirmed by the Employer. Thereafter, the bidders' names, the presence or absence of Bid security and such other details as the Employer may consider appropriate, will be recorded as bid opening summary and the same will be uploaded on the e-procurement portal after techno commercial bid opening.

### **5.2 OPENING OF THE PRICE BIDS: (PART - II)**

The date and time of opening of Price Bids shall be later notified through registered e-mail to the Bidders who fulfill the BQR criteria and whose bids are found to be commercially and technically acceptable.

- 5.2.1 The Bidders' names, the Bid prices and such other details as the Employer may consider appropriate, will be recorded as bid opening summary and uploaded by the Employer on the e-procurement portal. Any bid price, which is not submitted through the e-procurement system, will not be taken into account in Bid Evaluation.
- 5.2.2 If the date set for tender opening happens to be a holiday, the tenders will be opened on the succeeding working day without any changes in the timings indicated.

## **6.0. INFORMATION REQUIRED AND CLARIFICATIONS:**

- 6.1. In the process of examination, evaluation and comparison of tender offers, the TANGEDCO 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.
- 6.2 The TANGEDCO 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.
- 6.3 The Tender offers shall be deemed to be under consideration immediately after they are opened and until such time 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.
- 6.4 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 TANGEDCO for rejection of his offer. The TANGEDCO 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 TANGEDCO.

## **7.0. PROCESS TO BE CONFIDENTIAL:**

- 7.1. Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. Any effort by a Bidder to influence the Employer's processing of Bids or award decisions may result in the rejection of his Bid.

## **8.0 EXAMINATION OF BIDS AND DETERMINATION OF RESPONSIVENESS:**

- 8.1. Prior to the detailed evaluation of Bids, the Tender Inviting Authority will determine whether each Bid (a) meets the eligibility criteria, (b) has been properly signed, (c) is accompanied by the required securities and documents and (d) is substantially responsive to the requirements of the Bidding documents.
- 8.2. A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding document, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the works; (b) which limits in any substantial way, inconsistent with the Bidding documents, the Tender Inviting Authority's rights or the Bidder's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.
- 8.3. If a Bid is not substantially responsive, it will be rejected by the Tender Inviting Authority, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

## **9.0 CORRECTION OF ERRORS:**

The e- Procurement system automatically calculates the total amount from the unit rates and quantities and the system also automatically populates the amount in words from the amount in figures and therefore there is no scope of discrepancy and need for arithmetic correction.

## **10.0 EVALUATION AND COMPARISON OF TENDER OFFERS:**

- 10.1 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 its subsequent amendments till date.
- 10.2 The tender offers received for consideration will be examined to determine whether they are in complete shape, all required data have been furnished, the tender offer is properly signed and are generally in order and whether the tender offer conforms to all the terms and conditions of the Tender document without any deviation.
- 10.3 For the purpose of evaluation of the tender offers, the following factors will be taken into account for arriving at the evaluated price.
  - a) The rate of CGST, SGST, and IGST as applicable both in percentage and amount shall be indicated in the offer along with HSN code (Harmonised System of Nomenclature Code).
  - b) The evaluated price shall be arrived in compliance with the provisions of GST on the Transaction value i.e. (Ex works price of material +

Packing & Forwarding+ Freight & Insurance + labour charges towards erection, testing and commissioning+ EPF + ESI). In case of import of goods would be treated as interstate supplies and would be subject to IGST in addition to applicable customs duty.

- c) 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 TN.
- 10.4 Tenderers shall quote for all the tendered items to have a composite offer for evaluation.
- 10.5 The offers will be evaluated as a whole package and not itemwise.
- 10.6 The price quoted for the supply will be arrived at as detailed in Clause 10.3. From this arrived rate, the lowest offer will be considered.
- 10.7 The rates quoted by the eligible lowest tenderer in the open tender shall be compared with the prevailing market rate and the rates of previous period 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.

#### **11.0 VALIDITY:**

- 11.1 The Tender offer shall be kept valid for acceptance for a period of **90 days** from the date of opening of offers. The offers with lower validity period are liable for rejection.
- 11.2 Further, the tenderer shall agree to extend the validity of the bids without altering the substance and prices of the bid for further periods, if any required by the TANGEDCO.

#### **12.0 RIGHTS OF THE TANGEDCO:**

Notwithstanding anything contained in this specification, the TANGEDCO reserves the right to:

- (a) Accept the lowest eligible tender.
- (b) Revise the quantities at the time of placing orders to the extent of + or – 25%.
- (c) to vary the completion period/delivery period based on the requirement and contingencies at the time of placing the purchase order
- (d) Reject any or all the tenders or cancel without assigning any reasons thereof.
- (e) Recover losses if any sustained by TANGEDCO, from the successful tenderer who pleads his inability to supply and backs out of his

obligation after award of contract. The Security Deposit cum performance guarantee paid shall be forfeited in such cases.

- (f) To cancel the orders for not keeping up the delivery schedule.
- (g) To split the tender quantity & place orders on one or more than one firm to meet the delivery requirement.
- (h) After negotiation with the tenderer and before placing the order accepting the tender, if the tender accepting authority decides that the price quoted by such tenderer is high, the tender is liable for rejection.
- (i) To Relax or waive or amend any of the conditions stipulated in the tender specification wherever deemed necessary in the best interest of the TANGEDCO.
- (j) The purchaser reserves the right to request for any additional information and also reserves the right to reject or accept the proposal of any tenderer, if in the opinion of the purchaser, the qualification data is incomplete or in the opinion of the TANGEDCO the bidder is found not qualified to satisfactorily perform the contract.

**NOTE :-**

In the event of the documents furnished with the offer being found to be bogus or the documents contain false particulars, the EMD paid by the tenderers will be forfeited in addition to blacklisting them for future tenders/ contracts in TANGEDCO.

**13.0 DEVIATIONS:**

- 13.1 The tenderer shall furnish, if there are any deviations in the commercial and technical terms in the Schedules B & C Annexed. Deviations mentioned elsewhere other than Schedule B & Schedule C will not be considered. If no deviations are furnished in said schedules, it will be construed that the tenderer is accepting all terms specified in the specification. Similarly, if any deviations are furnished in the said schedules, it will be construed that these are the only deviations and the tenderer is accepting all other terms of the specification and the offer will be taken for evaluation accordingly.
- 13.2 THE OFFERS OF THE TENDERERS WITH DEVIATIONS IN COMMERCIAL TERMS AND TECHNICAL TERMS OF THE TENDER DOCUMENT WHICH COULD NOT BE ACCEPTED ARE LIABLE FOR REJECTION.
- 13.3 NO ALTERNATE OFFER WILL BE ACCEPTED.
- 13.4 Any attempt by any tenderer to bring/ to bear extraneous pressure on Tender Accepting Authority shall be sufficient reasons to disqualify the tenderer.

**14.0. BAR OF JURISDICTION:**

Save as otherwise provided in Tamil Nadu Transparency in Tender Act 1998 no order passed or proceeding taken by any officer or authority under this Act shall be called in question in any Court, and no injunction shall be



granted by any court in respect of any action taken or to be taken by such officer or authority in pursuance of any power conferred by or under the above Act.

**15.0. APPEAL:**

Any tenderer aggrieved by the order passed by the Tender accepting Authority under Section-10 of the Tamil Nadu Transparency in Tenders Act 1998 may appeal to the Government within 10 (Ten) days from the date of receipt of order.

**16.0 PERMANENT ACCOUNT NUMBER (PAN) & GSTIN REGISTRATION NUMBER :**

The tenderers are requested to furnish the Permanent Account Number and **GSTIN** Registration number in their offer.

**17.0** The tenderer who is an industrial company shall state clearly whether the company is a potentially sick Industrial Company in terms of Section 23 or 25 of the sick Industrial Companies act 1985.

**18.0 ROUTE TO KADAMPARAI POWER HOUSE:**

The KADAMPARAI Power House (4x100) MW is situated 60 Kms from Pollachi and Pollachi is 50kms. from Coimbatore in Coimbatore District.

CONTACT PERSON:

The Superintending Engineer,  
Kadamparai Generation Circle,  
Minparai,Attakatti, KADAMPARAI Via,  
Valparai Taluk,  
Coimbatore District - 642101.

Phone Nos:

SE/Kadamparai GC – 04253-236247,9443036224

## **SECTION: V COMMERCIAL**

### **1.0 PRICE:**

- 1.1 The firm should closely note all the specification clauses which govern the rates while he is tendering. The rates accepted **shall remain FIRM** for the entire duration of contract or any extension thereof.
- 1.2 The rates quoted should be inclusive of all incidental expenses for carrying out subject work. All the expenses to be incurred by contractor are required to be included to the extent they are charged for to arrive the contract value i.e. transaction value. The applicable GST shall be worked out on the transaction value only. The prices quoted should be Unit all inclusive price including Ex-works, Packing and Forwarding, Freight and Insurance charges to cover transit risk & unloading at site for the supply portion of the work. Labour portion of works should include labour charges towards erection, testing and commissioning, EPF, ESI & insurance towards risk during execution till handing over to TANGEDCO, with applicable rate of GST.
- 1.3 Applicable GST (CGST, SGST or IGST) shall be quoted separately. A format for price is given in Schedule 'A' and the price shall be quoted online only in the BOQ (Price schedule) in .xls format. The present applicable rate of GST for composite supply of Works Contract as defined in Clause (119) of section 2 of CGST Act as per Entry 6 of Schedule II to the CGST Act may be quoted.
- 1.4 The L1 tenderer shall furnish the declaration in respect of passing of Input Tax Credit (ITC) benefit in the format as stipulated in **Annexure-III** of this specification. Further in the event if the L1 tenderer specifies the ITC benefit as nil, the same shall be supported with certificate from the Chartered Accountant.
- 1.5 The prices for the various works involved in the rectification works shall be furnished as per format for price given in **Schedule A**. The split up prices for the various works involved in the rectification works including material cost and labour charges along with the respective taxes shall be furnished separately for each item of work
- 1.6 **PERMANENT ACCOUNT NUMBER AND GSTIN NUMBER:**  
The Tenderer shall indicate the Permanent Account No. in Schedule 'G' of the specification and should enclose the details of PAN issued by Government of India, Income Tax Department and GSTIN -number of the firm with proof with the tender.

### **2.0 Goods and Services Tax [GST] :**

- i. 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 enrolled out w.e.f. 01.07.2017, across India.

- ii. 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.
- iii. 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.
- iv. *GST Registration Number:* TANGEDCO 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 TANGEDCO is 33AADCT4784E1ZC. The details are also posted in TANGEDCO web portal.
- v. 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.
- vi. *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.
- vii. *Composition Scheme:* Composition scheme specifies that registered person whose turnover in the preceding financial year is below certain specified limit (Currently Rs.75 lakhs) may intimate the proper officer to pay in lieu of tax payable by him an amount calculated at such rate may be specified.

*Eligibility for composition scheme:* Sec10(2) of the central Goods and Services Tax Act, 2017 states that the registered person shall be eligible to opt under sub- section(1), if-

- . He is not engaged in the supply of services other than supplies referred to in clause (b) of paragraph 6 of Schedule II;
- . He is not engaged in making any supply of goods which are not leviable to tax under this Act;
- . He is not engaged in making any inter-State outward supplies of goods;
- . He is not engaged in making any supply of goods through an electronic commerce operator who is required to collect tax at source under section 52; and
- . He is not a manufacturer of such goods as may be notified by the Government on the recommendations of the Council.

viii. *Supply of Service and Goods:* When there is a combined supply of many goods /services, it has to be determined whether it is a Composite supply or mixed supply of goods or services

(a) *COMPOSITE SUPPLY:* A composite supply is the one where all the goods or services or a combination has to supplied together i.e., naturally bundled and there would be a Principal Supply that could be identified (Ex. Supply of Machinery with packaging, insurance and freight – the principal supply is machinery). In this case, the rate of principal supply will be applied on entire value.

(b) *MIXED SUPPLY:* A mixed supply is where the goods or services or the combination thereof which could be individually supplied (like Pizza and Coke) but sold together at a single price. In this case, the highest rate to the good in that mix is applied on all the goods. The GST shall be applicable at appropriate prevailing rates as notified by GST Act. In the event of delay in execution of contract, the GST rate prevailing on the scheduled period or on the actual date of execution, whichever is less only will be admitted.

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.

## **2.1 Goods and Services Tax:**

2.1.1 The amount of CGST, SGST, and IGST as applicable shall be indicated in percentage payable and amount separately in the tender offer.

2.1.2 In case of delayed completion, the GST prevailing on the actual date of completion or on the last day of the contractual completion period whichever is LESS will be admitted. For both the cases, the contractor shall furnish documentary evidence while submitting the bills for payment.

2.1.3 It is the responsibility of the tenderer to make sure about the correct rates of GST on the material/labour at the time of tendering. If the rates assumed by the tenderer in the price bid are lesser/higher than the current rates prevailing at the time of tendering, the same will be corrected to applicable rate for price evaluation.

- 2.1.4 Any Variation in GST due to statutory Variation within the contract delivery date shall be considered by the TANGEDCO Ltd.

### **2.3. TDS under GST:**

- 2.3.1. As per the provisions of the GST Act, the TDS under GST would be deducted at the rate of 2% (CGST @1% and SGST @ 1%) or IGST @ 2% from the payment made or credited to the supplier of taxable goods or service or both where the total value of the taxable supply under a contract exceeds Rs.2,50,000/-. Once the taxable value of the contract exceeds Rs.2,50,000/-, then each and every invoice on that Contract shall be subject to TDS under GST, irrespective of value of each invoice.
- 2.3.2 Taxable supply means supply of goods or services or both which is leviable to tax under GST.
- 2.3.3 TDS under GST rate will not be applied on the GST component of the Invoice.

### **2.4 GST on Liquidated Damages (LD) and on Forfeiture of Earnest Money Deposit/Security Deposit (EMD/SD):**

- 2.4.1 Liquidated damages collected/recovered on purchase of goods and service will attract GST@18%. GST will be additionally recovered from the contractor in addition to the stipulated LD rates in the purchase order/contract.
- 2.4.2 Forfeiture of EMD/Security Deposit if any arises, will attract GST @ 18% and the GST will be collected additionally from the contractor.

### **2.5 Verification of GSTR-2A:**

The verification of GST remittance will not be carried out for each and every bill of the supplier and the GSTR-2A will be verified only at the time of PO closure. In case of non-filing of GSTR-1 by the suppliers, the release of SD, EMD and retention amount will be withheld.

### **2.6 TDS under section 194 Q of IT Act:**

Any person, being a buyer, who is responsible for paying any sum to any resident for purchase of goods of value (or) aggregate value exceeding Rs.50 lakhs in any previous year, shall, at the time of credit of such sum to the account of the seller (or) at the time of payment, whichever is earlier, shall deduct an amount equal to 0.1% of such sum exceeding Rs.50 Lakhs as TDS under Section-194Q of IT Act. The supplier of goods is required to furnish the PAN to TANGEDCO for making the payment. In case the suppliers do not have PAN, TANGEDCO is required to deduct tax at higher rate as per the provisions of section 206AA. In case of specified person i.e., Any person who has not filed Income Tax return for two previous years immediately before the previous year in which TDS is required to be deducted and the time limit for filing of income tax return u/s 139(1) of the Income Tax Act, 1961 has expired provided the total TDS & TCS in INR is

Rs.50,000 (or) more in each of the two previous years the TDS rate u/s 194Q will apply at higher rate u/s.206AB.

The provisions of this section shall not apply to the transactions on which tax is deductible under any other provisions of the Income Tax Act 1961 and also on the transactions in which Tax is collectible under the provisions of Section 206C.

On purchase of goods/materials, TANGEDCO shall have the primary and foremost obligation to deduct Tax at source and no tax shall be collected on such transaction u/s.206C(1H). TDS u/s 194Q is also applicable on the Advance paid for purchase of goods.

In case of works contract wherein supply and erection portions are separable, the value of supply of goods exclusive of GST will be subject to deduction of TDS under section 194Q. On the other charges i.e. erection, testing, commissioning and maintenance charges, TDS under section 194C will apply and hence TDS u/s 194Q will not apply.

The above provisions comes into effect from 01.07.2021 onwards and hence no TCS under Section 206C(1H) has to be paid by TANGEDCO on purchase of Goods. Accordingly, TANGEDCO will deduct TDS under section 194Q on all the purchase of goods exceeding the threshold limit i.e. aggregate credit (or) payment exceeds Rs.50 Lakhs. It is mandatory for vendor to submit the declaration format to determine the applicability of TDS rate u/s 206 AB.

In case any procurement of goods/materials are made by TANGEDCO from overseas supplier and the payment is not taxable to the overseas supplier in India, the TDS under section 194Q will not apply.

### **3.0 INCOME TAX:**

Income Tax will be recovered from the contractors every running bill at the prevailing rate of tax in force with amendments issued from time to time as per the Income Tax Act.

## **6 INSURANCE:**

- 4.1. Contracting firms shall arrange insurance for the equipment and all its accessories being supplied by them, through any of the Authorised Insurance Companies. The equipment shall be insured to cover transport risk(from Warehouse) and 90 days storage risk at site. The damages, if any, during transit will be reported within 30 days of receipt of materials. It will be the responsibility of the successful tenderer to replace the defective/damaged materials and make good the shortages and other losses in transit, free of cost, lodge and recover claim from Insurance, Underwriters/Carriers. The copy of the Insurance policy shall be handed over to the Superintending Engineer/Generation Circle/Kadamparai prior to dispatch of materials.
- 4.2. In case of any delay in supply/erection/testing/commissioning till handing over to TANGEDCO, the insurance policy may be duly extended till the handing over to TANGEDCO. The Contractor shall also ensure that the materials taken for rectification to their works or any other place are covered

under proper insurance policies. All charges towards transportation, loading, unloading etc., is to Contractor's account.

- 4.3. The tenderer shall also arrange insurance for erection, testing & commissioning of the equipments till handing over to TANGEDCO, on the above lines.

#### **5.0. PACKING AND FORWARDING:**

- 5.1 The equipment and all its accessories shall be securely packed so as to withstand handling during transport & subsequent storage and despatched, freight paid, duly insured, at successful tenderer's risk and cost. The packing may be in accordance with the manufacturer's standard practice. The successful tenderer is responsible for ascertaining the facilities that exist for Road Transport to site. Each package shall be clearly marked and contain detailed packing list, such as gross weight, net weight etc. The successful tenderer is solely responsible for any loss or damage during transport. The dispatch of materials shall be made only after the approval of test certificates and issuance of dispatch clearance by the TANGEDCO. The equipment/ materials shall be unloaded at Destination Stores/sites by the supplier at free of cost. Proper instructions for storage at site may also be furnished to the consignee well in advance.
- 5.2 The equipment shall be packed in crates suitable for vertical / horizontal transport, as the case may be and suitable to withstand handling transport and outdoor storage during transit. The supplier shall be responsible for any damage to the equipment during transit due to improper and inadequate packing and handling. The easily damageable material shall be carefully packed and marked with the appropriate caution symbols. Wherever necessary, proper arrangement for lifting, such as lifting hooks etc., shall be provided. Any material found short inside the packing cases shall be supplied by supplier without any extra cost.
- 5.3 Each consignment shall be accompanied by a detailed packing list containing the following information.
- a. Name of the consignee.
  - b. Details of consignment.
  - c. Destination.
  - d. Total weight of consignment.
  - e. Handling and unpacking instructions.
  - f. Bill of material indicating contents of each package.

#### **6.0 PAYMENT:**

- 6.1 (a) Payments for the supplies/works will be made by NEFT/RTGS/Accounts Transfer through any one of the Nationalized Banks/Scheduled Banks approved by Reserve Bank of India, in Tamil Nadu. All bank charges involved in making the payment will be to the account of the contractor.
- (b) The successful 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

6.2 **(a) For the works completed within the contractual delivery period.**

95% of the all inclusive price of the contract will be paid within 90 days after satisfactory commissioning of Unit-I of Kadamparai PH and submission of bills with required documents, after deducting recoveries, if any and the balance 5% will be made within reasonable time after completion of entire work and after closure of Works Contract.

**(b) For works completed beyond the contractual delivery period**

95% of the all inclusive price of the contract after deducting LD and other recoveries, if any will be paid within 90 days after satisfactory commissioning of Unit-I of Kadamparai PH and submission of bills with required documents and the balance 5% will be made within reasonable time after completion of entire work and after closure of Works Contract.

For delayed payments, if any, simple interest for the delayed payment shall be paid by TANGEDCO to vendors at the SBI three months MCLR rate for the delayed period beyond 90 days. The simple interest shall be calculated for the delayed period by adopting the 3 months MCLR of SBI prevailed at the time of signing of agreement and in the cases where no agreement is signed, only P.O/WCT is issued, the date of the P.O/WCT shall be taken as base date to ascertain the interest rate.

- 6.3 Payments will not be made for equipments/materials damaged during transit. All defective materials shall be replaced by the successful tenderer free of charge.
- 6.4 In case of delay in supply, the materials will be accepted subject to the following conditions.
- (a) There should be no declining trend in prices.
  - (b) Payment will be released as per the recent purchase order rate or lowest rate obtained during the recent tenders opened subject to levy of liquidated damage for belated supplies.
  - (c) TANGEDCO reserves the right to accept or reject the delayed supplies without assigning any reason therefore and take action as per the other terms and conditions of this specification.
- 6.5 The bills for payment will be passed only after the approval/ acceptance of the following:
- (a) Security Deposit cum Performance guarantee for 5% value of the order.
  - (b) Undertaking towards Jurisdiction for Legal Proceedings.
  - (c) Guarantee Certificate.
  - (d) Test certificates if any.
  - (e) Indemnity bond for Rs.3 crores to the SE/Kadamparai GC.



- (f) Submission of the Proof for payment of contributions - both Employer's and Employee's contributions made to the EPF & ESI Organisation, to the SE/Generation Circle concerned, in accordance Section-V, clause-45 of this specification.
- 6.6 The successful tenderer should dispatch the materials only after getting dispatch clearance. If the successful tenderer dispatches the materials without the prior approval of the purchaser, then the purchaser shall not be responsible for any demurrage or wharfage or both and only the successful tenderer should bear any expenditure arising out of such unapproved dispatches.
- 6.7 The payment will be limited to the actual work done.
- 6.8 The works contract order will be closed on completion of the entire scope of work.

## **7.0 SECURITY DEPOSIT CUM PERFORMANCE GUARANTEE:**

- 7.1 The successful tenderer will have to furnish 5% value of total contract value as Security Deposit cum Performance guarantee, in the form indicated below:
  - (i) For value of Work Contract order up to Rs. 10/- Lakhs, electronic mode of payment /Banker's Cheque / D.D. (or) Pay order only.
  - (ii) For value of order exceeding Rs.10 Lakhs, electronic mode of operation/ Banker's Cheque/D.D./ Pay order / Irrevocable Bank Guarantee(Annexure-I).
- 7.2 In the event of furnishing Bank Guarantee towards Security Deposit cum Performance guarantee, the validity of Bank Guarantee, shall have to be till completion of guarantee period.
- 7.3 The successful tenderer will have to furnish the Security Deposit cum Performance guarantee as per clause 7.1 within **30 days** from the date of receipt of Works contract order failing which EMD shall be forfeited and the order placed on the firm will be cancelled. **The Security Deposit will not carry any interest.** The belated payment of Security Deposit shall not be accepted.
- 7.4 In case of the requirement arising for extension of the Bank Guarantee, the extended Bank Guarantee shall have to be submitted to TANGEDCO within the date of expiry of the existing bank Guarantee. In case of failure to submit such extended Bank Guarantee within due date (expiry date), TANGEDCO shall invoke the Bank Guarantee by addressing the Bank directly.
- 7.5 In case of delay in supply/erection, the SD cum Performance Bank guarantee should be extended suitably till the completion of the Guarantee period. The SD cum Performance Bank Guarantee will be released after expiry of guarantee period after ensuring that defects/damages during the guarantee period are rectified/ replaced.
- 7.6 The BG furnished for SD cum PG shall be returned after the expiry of the guarantee period or the SD cum PG obtained by electronic mode of payment /D.D/Bankers cheque /Pay order shall be refunded only after expiry of the guarantee period. The SD shall be returned to the tenderer only if the tender is completed to the satisfaction of the TANGEDCO.

- 7.7 If TANGEDCO incurs any loss or damage on account of breach of any of the clauses mentioned herein or any other amount arising out of the contract becomes payable by the successful Tenderer to the TANGEDCO, then the purchaser will in addition to such other dues that he shall have under law, appropriate the whole or part of SD and such amount so appropriated will not be refunded to the successful Tenderer.
- 7.7 Failure to comply with the terms regarding Security Deposit cum performance guarantee set out in the works contract order within the stipulated time by the successful tenderer will entail in forfeiture of EMD and in cancellation of the works contract order without any further reference to the successful tenderer.

**No tenderer is exempted from payment of Security Deposit cum performance guarantee.**

- 7.8 If the successful tenderer who is having permanent EMD backs out from payment of Security Deposit an equivalent amount of EMD shall be forfeited.
- 7.9 Forfeiture of Security Deposit if any arises, will attract GST @ 18% and the GST will be collected additionally from the Contractor.
- 7.10 If the supplier failed to replace/rectify the defects within time and non compliance of guarantee clause, TANGEDCO reserves the rights to invoke the SD cum Performance guarantee.
- 7.11 The successful tenderer will have to furnish additional Security Deposit based on actuals if the face value of the Contract increases after completion of the rectification works.

**8.0 COMPLETION PERIOD:**

- 8.1 The rectification works and commissioning of the Generator of the 100 MW Unit-I of Kadamparai Power House shall be completed **within 90 days** from the date of receipt of the Works Contract order.

Commissioning means synchronizing the Unit-I with the grid and satisfactory performance in the generator mode and pump mode for a period of 72 hours as per the grid conditions.

- 8.2 The site should be taken over immediately by the Contractor, on receipt of the WCT.
- 8.3 The Completion Period mentioned above is inclusive of short outages for isolating the existing equipments, erection/installation at site, short outages for inter connections, commencement and completion of commissioning.
- 8.4 The above delivery and completion period shall be guaranteed by the tenderer under liquidated damages clause governed by Clause-12 of this specification.
- 8.5 Any delay in procurement of materials, as specified in the scope of work shall not be cited as reason for delay and hence contractor shall arrange to procure all material in time.
- 8.6 If any other delivery period greater than indicated above, the tender is liable for rejection. The delivery period will not normally be extended. Hence, all

efforts shall be taken to complete the works within contractual delivery period. However, the tenderers are requested to quote the minimum period required for executing the works as per this Specification.

## **9.0 E-WAY BILL:**

E-Way Bill is an electronic document to be generated to cover movement of goods more than Rs.1,00,000 and such generation needs to be done in e way bill portal. Consequently, transporters of goods are required to carry an e way bill under GST provisions for the movement of such goods. The value of goods shall be the value declared in an invoice, a bill of supply or a delivery challan and also includes the Central tax, State or Union territory tax, Integrated tax and cess charged, if any. But it will not include value of freight charges for the movement charged by the transporter.

The Government of India has notified E-way bill system for interstate movement of goods. Similarly, the Government of Tamil Nadu has introduced the E-way bill system for intrastate movement of goods but deferred it till further orders.

It is the responsibility of Supplier/Contractor to ensure the delivery at the destination stores/sites of TANGEDCO. Therefore, it is the responsibility of the Supplier/Contractor or their transporters to generate e-way bill before transporting goods for delivery at TANGEDCO's premises.

## **10.0. LOSS OR DAMAGE :**

- 10.1. External damages that are prima facie, the results of handling in transit or due to defective packing and shortages/Defective works will be intimated within one month from the date of receipt of the materials at site/completion of works. Internal defects, damages or shortages of integral parts, which cannot ordinarily be detected on a superficial visual examination, though due to handling in transit or defective packing/Defective works, would be intimated within 2 months from the date of receipt of materials at stores/works carried out. In either case, the defective materials/works shall be replaced/ rectified /repaired by the successful tenderer, free of cost as per Clause 15-1.
- 10.2. If during the period of works, it is found that goods/works already Supplied / works carried out are defective in material or workmanship or do not conform to specification or are unsuitable for the purpose for which the work is proposed, then it will be open to the TANGEDCO either to reject the goods or repudiate the entire contract and claim such loss that the TANGEDCO may suffer on that account or require the successful tenderer to replace the defective goods/works free of cost.
- 10.3. Similarly, if during the guarantee period any of the goods/works are found to be defective in materials or workmanship/works or do not conform to specification, are unsuitable for the purpose for which they are intended, it will be open to the TANGEDCO either to repudiate the entire contract and claim damages or accept such parts of the goods /works that are satisfactory

and require the successful tenderer to replace the balance or to claim compensation for the entire loss sustained by the TANGEDCO on that account.

- 10.4. In the event of supplies being received damaged/ or of any shortage at the destination site/works, the cost of such materials/works and taxes/service charges (if payable) and other charges payable thereof will be paid only proportionate to the value of materials received in good condition/ works carried out, unless the damaged goods or short supplies/works carried out are made good free of cost by the successful tenderers. The defective materials /works shall have to be taken back/repaired from site at your risk and cost. In any case, damaged or defective materials/works should be replaced/repaired free of cost to the Board.
- 10.5. For all legal purposes, the materials/works shall be deemed to pass into the Board's ownership at the destination, where they are to be delivered/works carried out and accepted.

#### **11.0 FAILURE TO EXECUTE THE CONTRACT:**

Contractor failing to execute the works contract order placed on him to the satisfaction of TANGEDCO under the terms and conditions set forth herein will be liable to make good the loss sustained by the TANGEDCO, consequent to placing of fresh orders elsewhere at higher rate, i.e., the difference between the price accepted in the contract already entered into and the price at which fresh order has been placed at a later date. This is without prejudice to the imposition of LD and forfeiture of SD cum PG.

#### **12.0 LIQUIDATED DAMAGES:**

The delivery/completion period as specified in clause 8 should be guaranteed by the successful tenderer under the liquidated damages clause given below:

- a) If the successful Tenderer fails to complete the entire scope of work within the time specified in the contract or any extension thereof, TANGEDCO shall recover from the successful Tenderer as liquidated damages, a sum of HALF PERCENT (0.5%) of the total contract price for each completed week of delay.
- b) Liquidated Damages will also be levied for works not done as is done for the delayed completion of works.
- c) Liquidated Damages will be levied for delay in replacement/ repair of defective/damaged equipments.
- d) The total Liquidated Damages shall not exceed ten per cent (10%) of the contract price.
- e) Only the date of commissioning of the Generator of Unit I of Kadamparai Power House after rectification work will be reckoned as date of completion of work for this purpose.

- 12.2. It should be noted that if a contract is placed on the higher Contractor in preference to the lowest acceptable tender in consideration of the offer of earlier delivery, the said contractor will be liable to pay TANGEDCO the difference between the contract rate and that of the lowest acceptable tender in case of failure to complete the works in terms of such contract within the delivery period specified in the tender and incorporated in the contract. This is without prejudice to other rights under the terms of contract.
- 12.3 If the supply/works are completed by the successful Tenderer beyond the period of delivery/completion and they are accepted by TANGEDCO, such acceptance is without prejudice to TANGEDCO's right to levy liquidated damages for the delay in supply/completion of works.
- 12.4. If the materials covered under this Specification are not delivered or the works covered under this Specification are not completed at all, the purchaser shall recover from the successful Tenderer , as liquidated damages a sum equal to TEN PERCENT (10%) of the total contract price of the works contract besides forfeiture of Security Deposit cum Performance Guarantee.
- 12.5. The successful Tenderer are liable to pay the amount of loss sustained by TANGEDCO in the event of non-execution of orders, if any placed on them either in full or part, to the satisfaction of TANGEDCO under the terms and conditions of contract and in the event of placing Work Contract for such quantities on some others at a higher price.
- 12.6 Tenderers not giving clear and specific acceptance to the above clauses are liable for rejection.
- 12.7 If there is any downward trend in prices on account of belated completion of works, the Tenderers have to accept the same with the levy of liquidated damages, for belated completion of works.
- 12.8 Liquidated damages as per the terms of contract will be recovered from the respective bills itself for the delayed completion of work/belated supply of materials.
- 12.9 In respect of contracts where supply effected in part or works executed in part, could not be beneficially used by the TANGEDCO, (due to such incomplete supply/execution) Liquidated damages could be worked out on the basis of entire contract price of such whole units which could not be beneficially used and not on the value of the delayed portion.
- 12.10 Equipment will be deemed to have been delivered only when all its component parts and its accessories are also delivered. If certain components and accessories are not delivered in time the whole equipment will be considered as delayed unless the missing parts are delivered. The liquidated damages will also be levied for the quantity not supplied as is done for the delayed supplies

- 12.11. The TANGEDCO will also be at liberty to cancel the contract if the supply / work is not completed within the accepted delivery period notwithstanding the liquidated damages clause applicable for the belated supplies/works. Any charge for canceling the contract will not be accepted under any circumstances.
- 12.12. In the event of cancellation of the contract or non-completion of supply /works by the contractor then the short supplied items / works may be ordered fresh. The excess price if any between the original and new contract will be recovered from the original Contractor from the amount due to the original contractor either from this contract or from any other contract.
- 12.13 Liquidated damages collected/recovered on service will attract GST @ 18%. GST will be additionally recovered from the contractor in addition to the stipulated LD rates in the purchase order/contract.

### **13.0 FORCE MAJEURE:**

- 13.1 If at any time, during the continuance of the contract, the performance in whole or in part, in any obligation under this contract, shall be prevented or delayed by reasons of any war, hostility, acts of public enemy, acts of civil commotion, strikes, lockouts, sabotages, fires, floods, explosions, epidemics, quarantine restrictions or other acts of God (herein after referred to as eventualities) then, provided notice of the happening of any such eventuality is given by the tenderer to the TANGEDCO within 15 days from the date of occurrence thereof, neither party shall, by reasons of such eventuality, be entitled to terminate this contract nor shall have any claim for damages against the other in respect of such non-performance or delay in performance and deliveries under this contract, shall be resumed as soon as practicable after such eventuality has come to an end or ceased to exist.
- 13.2 Provided that if the performance in whole or part by the successful tenderer on any obligation under this contract is prevented or delayed by reasons of any eventuality for a period exceeding 60 days, the TANGEDCO may at its option terminate the contract by a notice in writing.
- 13.3 Power cut shall not be considered under the Force Majeure condition. The period of extension shall be decided only by the authority who placed the order after verifying the evidence for the cause of delay.
- 13.4 The termination of the contract as aforesaid shall not absolve the supplier/supplier of his liability to pay damages to TANGEDCO for the breach of the contract to deliver the goods or complete the performance of the contract within the time fixed by the purchaser.

### **14.0. GUARANTEE:**

- 14.1. The entire equipment/materials supplied and the entire work shall be guaranteed for satisfactory operation for a period of two years (24 months) from the date of commissioning of the Generator of the Unit-I of Kadamparai Power House. Successful tenderer shall furnish the guarantee certificate. The guarantee certificate shall be furnished in the format enclosed as Annexure–VII.

- 14.2. Any defects noticed during this period shall be rectified free of cost to the TANGEDCO within 2 (Two) months from the intimation of defect/failure. Irrespective of number of failures and repairs, the successful tenderer shall be responsible for free replacement of the defective materials /workmanship till the end of the Guarantee period. If they are not rectified or replaced within this period the contractor shall pay Liquidated Damages as per Liquidated Damages clause in the contract for the delay from the date of receipt of intimation for the defects or failures.
- 14.3. The incidental expenses, insurance and freight charges for the replacement of defective materials within the guarantee period shall also be borne by the successful tenderer till the completion of the guarantee period.
- 14.4. The tenderers shall guarantee among other things, the following.
- (i) Quality and strength of materials used.
  - (ii) Safe electrical and mechanical stresses on all parts of the equipments under all specified conditions.
  - (iii) Performance figures given by the tenderers in the Schedule of Guaranteed technical particulars.
  - (iv) Replacement of parts which become defective under proper use.
  - (v) Workmanship.
  - (vi) Satisfactory operation of equipment.

**15.0. REPLACEMENT OF DEFECTIVE/DAMAGED MATERIALS / WORKS:**

- 15.1. Notwithstanding anything contained in the liquidated damages clause when the whole or part of the materials supplied by the successful tenderer are found to be defective/damaged or are not in conformity with the specification or sample, such defects or damages in the materials supplied shall be rectified within two months from the date of receipt of intimation of such defect/damage either at the point of destination or at the successful tenderer's works, at the cost of successful tenderer, against proper security and acknowledgement. In the alternative, the defective or damaged materials shall be replaced free of cost within two months from the date of receipt of intimation from the purchaser of such defects or damages. If the defects or damages are not rectified or replaced within this period, the successful tenderer shall pay a sum towards liquidated damages as per liquidated damages clause above, for the delay in rectification/replacement of the defects or damages. The above liquidated damages are in addition to the liquidated damages for the delay in delivery of materials covered in Clause - 12.
- 15.2. In the event of supplies being received damaged or short at the destination stores, the cost of such materials with taxes and other charges payable thereof will be paid only proportionate to the value of the materials received in good condition unless the damaged goods or short supplies are made good free of cost to the TANGEDCO by the supplier.

- 15.3. If even after such rectification or replacement of the damaged or defective part, the equipment ordered is not giving the satisfactory performance as per the contract, then it will be open to the purchaser either to reject the goods and recover the entire cost of such goods and claim such loss sustained by the TANGEDCO.
- 15.4. Notwithstanding any other remedies available, the purchaser shall be entitled to dispose of the defective/damaged materials in as is where is condition without further notice, if the contractor/supplier fails to rectify the defects/damaged materials within such period as may be notified by the purchaser through notice and the sale proceeds of such disposal shall be appropriated towards the dues to TANGEDCO such as Liquidated Damages, ground rent etc. as may be determined by the purchaser.

#### **16.0. DEFECTIVE SUPPLIES:**

- 16.1 If during the Guarantee period specified in Clause 14.1. of this specification, any of the goods be found to be defective in materials or workmanship, they shall be replaced by you free of cost and successfully commissioned. The defective materials shall have to be taken back from the site at your cost and risk.
- 16.2 If during the period of supply, it is found that goods already supplied are defective in materials or workmanship or do not conform to specification or unsuitable for the purpose for which they are purchased, then it will open to the purchaser, either to reject the goods or repudiate the entire tender and claim such loss that the purchaser may suffer on that account or require the Supplier to replace the defective goods free of cost.
- 16.3 Similarly, if during the Guarantee period specified in Clause 14.1. of this specification, any one of the goods are found to be defective in materials or workmanship or do not conform to the specifications or unsuitable for the purpose for which they are purchased, it will be open to the purchaser either to repudiate the entire contract and claim damages or accept such part of the goods that are satisfactory and require the contractor to replace balance or pay compensation to the extent of the loss sustained by the purchaser on that account.
- 16.4. For the purpose of any legal consideration, the materials shall be deemed to pass on to the ownership of the TANGEDCO Ltd at the final destination where they are delivered and accepted.

#### **17.0 NON-ASSIGNMENT:**

The successful tenderer shall not assign or transfer the contract or any part thereof without the prior approval of the purchaser.

#### **18.0 EFFECTING RECOVERIES:**

Any loss, arising due to non-fulfillment of this contract or any other contract, will be recovered from the Security Deposit held and or any other amount due to the successful tenderer from the TANGEDCO from this Contract as well as from other contracts.



**19.0 PATENT RIGHTS ETC :**

The successful Tenderer shall indemnify the purchaser against all claims, actions, suits and proceedings for the infringement or alleged infringement of any patent, design or copy right protected either in the country of origin or in India by the use of any equipment supplied by the successful Contractor other than for the purpose indicated by or reasonably to be inferred from the specification.

**20.0 JURISDICTION FOR LEGAL PROCEEDINGS:**

No suit or any proceedings in regard to any matter arising in any respect under this contract shall be instituted in any court, save in the appropriate Civil Court of Chennai or the Court of Small Causes at Chennai. It is agreed that no other court shall have jurisdiction to entertain any suit or proceedings, even though, part of the cause of action might arise within their jurisdiction. In case, any part of cause of action might arise within the jurisdiction of any of the courts in Tamil Nadu but not in courts at Chennai and rest within the jurisdiction of courts outside Tamil Nadu, then it is agreed to between parties that such suits or proceedings shall be instituted in court within Tamil Nadu and no other court outside Tamil Nadu shall have jurisdiction, even though any part of the cause of action might arise within the jurisdiction of such courts. An UNDERTAKING in this regard should be furnished on receipt of Purchase Order in a non judicial stamp paper value of Rs.100/- agreeing to be above conditions as per **Annexure-II**.

**21.0 ARBITRATION:**

The TANGEDCO will not accept any arbitration in case of disputes arising in any respect under this contract. Any dispute arising out of this contract shall not be subject to arbitration under the provisions of Arbitration and Conciliation Act 1996 in the event of any dispute between the parties.

**22.0 DEVIATIONS FROM SPECIFICATION:**

If the tenderer wish to deviate from any of the clauses of this specification, he shall list out such deviations, in the format enclosed (Schedule B&C) and submit full particulars and reasons thereof. Deviations mentioned other than in Schedules B & C elsewhere will not be considered. Unless this is done, the equipment offered shall be considered to comply, fully in every respect with the terms and conditions of this specification.

**23.0 TESTS AND TEST CERTIFICATES:**

All relevant tests mentioned in the technical specification shall be carried out on the equipment as per relevant IS. The contractor shall conduct suitable tests and performance tests on the materials supplied to verify its desired operation as per IS. All tests should be conducted in the presence of TANGEDCO's engineer. The inspection report and test reports are to be certified and recommended by Superintending Engineer/ Kadamparai Generation Circle/ Minparai for approval by the competent authority. The test certificates in triplicate for the materials furnishing the results of the tests as per latest issue of IS or any other relevant International Standard as

applicable shall be forwarded and got approved before the materials are despatched.

In addition to the tests called for in the specification, the purchaser reserves the right of having such tests as he desires carried out at his own expenses to satisfy himself that the materials conform to the requirement of this specification. The materials / works may be rejected if the test results are not satisfactory.

#### **24.0. RESPONSIBILITY:**

The Contractor is responsible for safe delivery of the materials at the destination stores and safe execution of works entrusted to him covered under this Specification. The Contractor should include and provide for packing and secured protection of the materials so as to avoid damages or loss in transit.

#### **25.0 MAXIMUM WEIGHTS AND DIMENSIONS OF PACKINGS:**

The successful Tenderer is responsible to make sure about the facilities that exist for Road and Rail transport to site, the maximum packages which can be conveyed by the railways and crane lift available at the destination railway station. The successful Tenderer is also responsible for any loss or damage during transport and storage for 90 days. Each case or package should be clearly marked and should contain detailed packing list.

#### **26.0 INSPECTION:**

- 26.1 During the execution of the contract, all the equipment/materials shall be inspected by TANGEDCO's Engineers at any time. In case the works are not carried out to the satisfaction of TANGEDCO's inspecting engineers, further work should be proceeded only after attending the defects if any pointed out by TANGEDCO's Engineers during the inspection, free of cost.
- 26.2. The authorized representatives of TANGEDCO shall have free access to the successful Contractor's / sub vendor's workshop at any time during working hours, for the purpose of inspecting the equipments/works and for testing covered by this specification. The successful Tenderer shall provide all facilities for the above.
- 26.3 Tenderers are requested to furnish in their offer the exact location of their factory with detailed address to enable inspection by TANGEDCO if considered necessary.
- 26.4 Not less than 15 days advance intimation shall be given for inspection by TANGEDCO's Officers. The arrangement for inspection shall be made by successful Contractor in such a way that the delivery schedule is kept up. The materials shall not be despatched without instruction from TANGEDCO.
- 26.5 No material shall be despatched from its point of manufacture unless the material has been satisfactorily inspected and tested.
- 26.6 The acceptance of any quantity of the equipment shall in no way relieve the supplier of his responsibility for meeting all the requirement of this

specification and shall not prevent subsequent rejection if such equipment are later found to be defective.

26.7 TANGEDCO reserves the rights to waive the inspection if found necessary.

## **27.0 COMPLETENESS OF TENDER:**

The tender should be complete with all details of illustrative and descriptive literature and drawings. The tenderer shall furnish the complete technical details of the equipment. Information regarding the country of manufacture or origin of materials used in the manufacture of the articles should be furnished. The tender should include all accessories even though not specifically mentioned in this specification but which are essential for the completeness of the materials / works ordered. The tenderer shall not be eligible for any extra charges in respect of such minor accessories though not included in the tender.

## **28.0. INTERCHANGEABILITY:**

All similar parts and removable parts of similar items shall be interchangeable with each other.

## **29.0. CLIMATIC CONDITIONS:**

The materials are for use in Tamil Nadu and should be satisfactory for operation under tropical conditions in Kadamparai Generation area as detailed below.

- a) The ambient temperature will be within the range of + 10 Degree Centigrade to + 40 Degree Centigrade.
- b) The altitude will be less than 1000 metres.
- c) The maximum atmospheric humidity will be in the range of 95%.
- d) Average Number of thunder storm days per annum NIL.
- e) Average Number of dust storm days per annum is 5.
- f) Average Number of rainy days per annum is 65.
- g) Average annual rainfall is 100 cm.
- h) All equipments shall be given tropical and fungicidal treatment. Fog, is also present in the atmosphere.

## **30.0 ELECTRICITY RULES :**

All works shall be carried out in accordance with the latest provisions of the Indian Electricity Act/Electricity Supply Act and the Indian Electricity Rules there-under with latest amendments thereof unless modified by this specification.

## **31.0 MATERIALS AND WORKMANSHIP:**

31.1. All materials, equipments and spare parts used for the rectification works thereof shall be new, unused and originally coming from manufacturer's plant to the destination stores.

- 31.2. All the materials used for the rectification works shall be of best class and capable of satisfactory operation in the tropics with humid atmospheric condition. Unless otherwise specified, they shall conform to the requirements of appropriate Indian Standards amended from time to time. Where these are not available, IEC and American/British Standards shall be followed.
- 31.3. The workmanship shall be of the highest grade and the entire construction in accordance with the best modern practice. The whole of the work shall be of the highest class throughout well finished and of approved make. The entire design and construction shall be capable of withstanding the severest stresses likely to occur in actual service and of resisting rough handling during transport.
- 31.4. The equipments should be designed to facilitate inspection and repairs and to ensure satisfactory operation under atmospheric conditions prevailing at site and under sudden variations of load and voltage as may be met with under working conditions in the system including those due to faulty synchronizing and short circuits within the rating of the apparatus.
- 31.5 The design shall incorporate every reasonable precaution and provisions for the safety of all those concerned in the operation and maintenance.
- 31.6 All the equipments should operate without undue vibration and with the least practicable amount of noise.
- 31.7. The rectification works shall be to the entire satisfaction of the field engineers.

### **32.0 RECOVERIES OF DUES:**

The TANGEDCO is empowered:

- a) To recover any dues against this contract in any bills/Security Deposit / Earnest Money Deposit due to the successful tenderer either in this contract or any other contracts with TANGEDCO, TANTRANSCO and TNEB.
- b) To recover any dues against any other contract of the successful tenderer with TANGEDCO, TANTRANSCO and TNEB, with the available amount due to the successful tenderers against this contract.
- c) An undertaking to the above effect as in **Annexure - IV** shall be furnished in a non- judicial stamp paper of value not less than Rs.100/-)

### **33.0 PAST PERFORMANCE:**

- 33.1 The intending tenderers shall furnish the documentary evidence with details of various orders placed on them during the last ten years as on the date of tendering in the proforma enclosed to the Tender Specification and also proof for having executed the works and for their satisfactory performance from State Electricity Board or PSUs or a Govt. of India or State Govt. Organisation or an Undertaking of Central Govt. /State Govt.
- 33.2 The Bidders shall furnish copies of Balance Sheet, Profit and Loss Account for the preceding three financial years 2018-19, 2019-20 & 2020-21. In case

of bidders who happen to be the companies registered under companies Act 1956, Attested Copies of the Audited financial Statements like Profit & Loss A/c and Balance Sheet for all the preceding 3 years (2018-19, 2019-20 & 2020-21) may be furnished. In case of others, the Annual turnover certified by the practicing Chartered Accountant or attested copy of income tax statements or attested copy of GST certificate, for all the preceding 3 years (2018-19, 2019-20 & 2020-21) may be furnished as a proof of turnover.

- 33.3 The details furnished by the Contractors shall be in complete shape and if it is found that any information is found omitted, suppressed, incomplete or incorrect, the same will be taken note of while dealing with the Contractors in future and will entail forfeiture of EMD.

#### **34.0. RAW MATERIALS:**

It is the responsibility of the Tenderer to make his own arrangement to procure the necessary raw materials required for the manufacture.

#### **35.0 SPECIAL CONDITIONS.**

- (i) Subject to availability, crane facility with operator will be given at free of cost.
- (ii) While Re-assembling the Turbine components and Auxiliaries, only the molybdenum disulphide based grease only used for all the threads and sliding surfaces.
- (iii) During the spare Runner Re-assembling, it should be taken care of that the throw circle centre is coincident with unit's true centre. The plumb setting has to prove with in 0.10mm.
- (iv) During Re-erection of Intermediate shaft and Runner shaft it should be proved that there is no any angular Displacement between the shafts of the units.
- (v) All kinds of special Tools, lifting arrangements, Tools & Plants, welding units, cutting gas sets, slings, component handling materials, special jigs Fixtures Etc, All kinds of measuring Instruments , Gauges, Testing Equipments, Calibration kits Etc are contractors scope.
- (vi) All kinds of Tests both Mechanical and Electrical sides, have to be witnessed by the TANGEDCO field Engineers and a report comprising the details and results have to be furnished to TANGEDCO., for each Test conducted. Contractor must inform to field officials of TANGEDCO in advance for carrying out each WORK.
- (vii) The references of either the IS standards or M/s BHEL only have to be taken for consideration Achievement/ Guidance's- In case of any discrepancies regarding the Test Results, Alignment values, vibration levels and unit running Parameters, during the Re-erection and Re-commissioning Activities.
- (viii) During the Dismantling of the Inner cover, Top Cover, and Guide vane system Assemblies Etc. the Flanges, Bolts, nuts stud bolts of any size if found damaged or thread spoiled then the same have to be manufactured/ procured, by the Firm and to be assembled with at site the materials procured such, have to be shown to the TANGEDCO., field Engineers and get consent before Re-assembling.

- (ix) The labour licence under Contract Regulation Abolition Act, 1970 should be obtained by the Successful Contractor from the Competent Authority prior to execution of works.
- (x) All special erection tools required for the above works shall be arranged by the contractor. However any special tool like lifting devices, torque wrenches, special spanners etc. if available with TANGEDCO will be given for the works on returnable basis. The contractor should return back all such tools, devices etc. in good condition as handed over to them. However the contractor should not claim non availability of tools, tackles, devices as reason for non execution of work or for delay.
- (xi) Accommodation at site if available will be provided on chargeable basis as per appropriate rules in force. Food shall be the responsibility of the contractor. The energy consumed in such accommodation will be billed at the appropriate domestic tariff rate and recovered from contractors' Bills.
- (xii) Compressed air and other consumables shall be the responsibility of the contractor.
- (xiii) Required number of skilled and unskilled labour shall have to be provided by the contractor.
- (xiv) 415 V 3 phase AC supply if required for works at site will be provided on chargeable basis at appropriate tariff. Necessary cables switchboard etc. shall be arranged by the contractor. Non availability of Power supply shall not be indicated as a reason for delay in execution of work and consequent extension of delivery period. In case of any power failure, the contractor shall make their own arrangement to execute the work using DG sets. It is the responsibility of the contractor to make his own arrangements to procure the necessary raw materials required for the manufacture.
- (xv) Subject to availability, Chain block pulleys, etc. will be spared for dismantling and erection work free of cost
- (xvi) Any other work not specifically mentioned but required for successful commissioning of the Unit I of KADAMPARAI power house, is to be executed by the successful tenderer for which the material & Labour charges should be specified separately.

### **36.0 SAFETY OF PERSONNEL:**

The Tenderer is solely responsible for arranging the following for his workmen.

- a) Safety during the work at spot. The Tenderer's workers should wear necessary safety appliances during the work. All safety appliances and personal protective equipments such as Safety Belt/Harness, Safety Shoes, Helmet, Hand gloves, Welding shield, Goggles, First Aid box etc., are all to be arranged by the contractor for their workers.
- b) Insurance of workman and other personnel working under the tenderer. The Tenderer should cover his employees under accident Insurance Plans of General Insurance Company of India to cater for the workmen's Compensation Act, 1923, with all later amendments.

- c) Compensation to workmen as per workman compensation act in case of accidents or injuries.
- d) The contractor shall take up any work in the site only after furnishing the workmen compensation policy.

### **37.0 LIABILITY FOR ACCIDENTS TO PERSON:**

- 37.1 The Tenderer shall indemnify and save harm to the TANGEDCO against all actions, suits, claims, demands, costs or exposes arising in connection with injuries suffered prior to the date when the works or plant shall have been taken over by the date when the works or plant shall have been taken over by the persons employed by the Tenderer or his sub-Tenderer, the works whether under the Central Law or under the workmen's compensation Act 1923 or any other statutory law in force at the date of the tender dealing with the question of the liability of employees for injuries suffered by employees and to have taken steps properly to insure against any claims there under.
- 37.2 On the occurrences of an accident which results in the death of the workmen employed by the Tenderer or which is due to the tender work and or so serious as to be likely to result in the death of any such workmen, the Tenderer shall within 24 hours of happening of such accident intimate in writing to the concerned Engineer and such officers required by the provision of the workmen's Compensation Act, the fact of such accident. The tenderer shall indemnify TANGEDCO against all loss or damage sustained by TANGEDCO resulting directly or indirectly from his failure to give intimation in the manner aforesaid, including the penalties or fines, if any payable by TANGEDCO as a consequence of TANGEDCO's failure to give notice under the Workmen's Compensation Act or otherwise to confirm to the provisions of the said Act in regard to such accident.
- 37.3 In the event of any claim being made, or action brought against the TANGEDCO involving the Tenderer and arising out of the matters referred to and in respect of which the Tenderer is liable under the clause, the Tenderer shall be immediately notified thereof and he shall with the assistance, if he so requires, of the TANGEDCO but at the sole expense of the Tenderer, conduct all negotiations for the settlement of the same or of any litigation that may arise there from. In such cases, the TANGEDCO shall at the expenses of the Tenderer, afford all available assistance for any such purpose.
- 37.4 In the event of an accident is respect of which compensation may become payable under workmen's Compensation Act VIII of 1923 and any subsequent amendment thereof whether by the tenderer or by the Government as principle, it shall be lawful for the Engineer to retain out money due and payable to the tenderer such sum or sums of money as may in the opinion of the said engineer be insufficient to meet such liability. The

opinion of the engineer shall be final in this regard to all matters arising under this clause and will not be subjected to any arbitration.

- 37.5 Liability for damages or loss to third party including inspecting officers due to acts of the tenderer or his plant, or such tenderer connected with the execution of this tender shall be fully borne by the tenderer. The tenderer shall maintain such detailed records to furnish information regarding entitlement and discharge of all workmen employed under this tender as to be adequate for the timely and full settlement of claims under the Workmen Compensation Act. All cases of accident or injuries shall be reported to the engineer with all the details required for the settlement under the Workmen Compensation Act.
- 37.6 The tenderer should report about all accidents within 24 hours to the Assistant Executive Engineer of the TANGEDCO in the preliminary accidents form. He should furnish other particulars such as Medical Certificates, Wages particulars, fitness certificate, proof for having paid the compensation fixed by the TANGEDCO, etc. in due course without delay.

### **38.0 LIABILITY FOR DAMAGE TO WORK OR PLANTS:**

- 38.1 The tenderer shall during the progress of the work properly cover up and protect the work and plant from injury by exposure to the weather and shall take every reasonable proper, timely and usual precaution against accident or injury to the persons from any cause and shall be and remain answerable and liable for all accidents or injuries there to which until the same, be or deemed to be, taken over may arise or be occasioned by the Acts or omissions of the tenderer or his workmen or his sub-tenderers and all losses and damages to the works or plant arising from such injuries as aforesaid shall be made good in the most complete and substantial manner by and at the sole cost of the tenderer and to the reasonable satisfaction of the TANGEDCO Engineer, should such loss or damage happen to units of works, plant or materials falling outside the scope of this tender and the tenderer due to these shall be placed or compensated for by the tenderer to the satisfaction of the TANGEDCO Engineer.
- 38.2 In the case of losses or damage to any portion of the work occasioned by other causes, the same shall, if required by the TANGEDCO be made good by the tenderer in like manner but at the cost of the TANGEDCO, at a price to be agreed between the tenderer and the TANGEDCO or in default of agreement settled by Arbitration and the TANGEDCO shall pay to the tenderer the tender value of the portion of the work so lost or damages or any balance of such tender value remaining unpaid as the case may be.
- 38.3 Until the work shall be or deemed to be taken over as aforesaid the tenderer shall also be liable for and shall indemnify the TANGEDCO in respect of all damage or injury to any person or to any property of the TANGEDCO or of others occasioned by the act of tenderer, his workmen or his sub-tenderers or by the defective design, or materials and not due to cause beyond his



control. If due to tenderer's carelessness, negligence or non-observance of safety precautions, damage to generating machineries of TANGEDCO should occur, the full cost will be recovered from the tenderer.

### **39.0 PROTECTION OF EQUIPMENT AND SAFETY:**

The tenderer shall take all reasonable care to protect the materials handed over to him. Wherever necessary, suitable temporary fencing and listing shall have to be provided by the tenderer as a safety measure against accident and damage of property of TANGEDCO. Suitable caution notices shall be displayed where access to any part may be deemed to be unsafe and hazardous.

### **40.0 SECURITY ARRANGEMENTS:**

- 40.1 The successful Contractor shall provide sufficient number of Security Personnel/Watchmen to ensure that the equipments, tools and consumables under his charge are not lost due to theft.
- 40.2. Inadequate provision in this regard will result in TANGEDCO's Engineer making similar arrangements at Contractor's cost.

### **41.0 TENDERER'S REPRESENTATIVE AND WORKMEN:**

- 41.1 The tenderer shall employ at least one competent representative whose name or names shall be communicated in writing to the TANGEDCO's Engineer and is to be given full responsibility as representative of the tenderer to enter into negotiations at site in regard to execution of tender. The said representative or if more than one shall be always present at site during working hours and any written orders or instruction which the TANGEDCO's Engineer may give to the said representative of the tenderer shall be deemed to have been given to the tenderer. The name, address, qualification of Engineer and other technical staff shall be given.
- 41.2 The tenderer shall provide skilled, semi-skilled and unskilled workers for the execution of work. The TANGEDCO's Engineer shall be at liberty to object to any representative or person employed by the tenderer in the execution or otherwise about the works who in the Engineer's opinion shall misconduct himself or by incompetent objected to forthwith, upon receipt of notice from the Engineer requiring him to do so.

### **42.0 DEATH, BANKRUPTCY ETC.:**

In case of death or committing any act of Bankruptcy or being a corporation commence to be wound up except for reconstruction purposes or carry on its Business under a receiver, the executors, successors or other representative in law of the estate of the tenderer or any such receiver, liquidator or any person in whom the tender may become vested, shall forthwith given notice thereof in writing to the TANGEDCO and shall given for one month, during which, he shall take all reasonable steps to prevent

stoppage of the works, have the option of carrying out this tender subject to his/or their providing such guarantees as may be required by the TANGEDCO but not exceeding the value of the work for the time being remaining unexecuted. In the event of stoppage of the works the period of option under the clause be fourteen days only. Provided that, should the above option be not exercised, the tender may be terminated by the TANGEDCO by notice in writing to the tenderer. And the same power and provisions reserved to the TANGEDCO on the taking of the work out of the tenderer's hands shall immediately become operative.

#### **43.0 REPAIRS/REPLACEMENT:**

Any loss or damage during erection installation, testing and commissioning of the equipments shall be replaced/repared free of cost by the successful tenderer.

All the scrap and retrieved materials shall be devoluted to TANGEDCO Stores.

#### **44.0 SUBLETTING:**

No part of the contract shall be sublet without prior written permission of the Chief Engineer nor shall transfer to make by power of attorney authorizing others, to receive payment on contractor's behalf.

In case of the contractor engaging contract laborers with the prior approval mentioned above in writing, the following should be strictly adhered to.

- a) The contractor should fulfill strictly all the conditions as stipulated in the contract laborer (Regulation and abolition) Act, 1970 and the rules made there under.
- b) The contractor should take out a license at his cost, under section 12 of the above said act within the specified period as mentioned by the management/Principal employees at the time of awarding the contract.
- c) The contract laborer engaged by the contractor have no right to claim employment or any other benefit from TANGEDCO.

#### **45.0 GENERAL CONDITIONS (STATUTORY COMPLIANCES)**

- 1) The Contractor shall employ labour in sufficient numbers to maintain the required rate of progress and of quality to ensure workmanship of the degree specified in the Contract and to the satisfaction of the Engineer-in-Charge. The Contractor shall not employ in connection with the Works any person who has not completed his eighteen years of age.
- 2) The Contractor shall pay to labour employed by him either directly or through digital transfer. The wages should not be less than fair wages as defined in the current PWD Schedule rates (or) Minimum Wages Act (if applicable).

- 3) The Contractor shall in respect of labour employed by him comply with or cause to be complied with the Contract Labour Regulations in regard to all matters provided therein.
- 4) The Contractor shall comply with the provisions of the payment of Wages Act, 1936, Minimum Wages Act, 1948, Employers' Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefit Act, 1961, Employees Provident Fund & Miscellaneous Provisions Act, 1952, Employees State Insurance Act, 1948, Payment of Bonus Act, 1965 and Mines Act, 1952, Contract Labour Regulation & Abolition Act, 1970 or any modifications thereof or any other law relating thereto and rules made thereunder from time to time.
- 5) The Engineer-in-Charge shall on a report having been made by an Inspecting Officer as defined in the Contractors Labour Regulations have the power to deduct from the moneys 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-fulfillment of the Conditions of the Contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the terms of the Contract or non-observance of the said Contractors Labour Regulations.
- 6) The Contractor shall indemnify the Corporation against any payments to be made under and for observance of the Regulations afore said without prejudice to his right to claim indemnity from his sub-contractors. (if permitted)
- 7) In the event of the Contractor committing a default or breach of any of the provisions of the aforesaid Contractors Labour Regulations as amended from time to time or furnishing any information or submitting or filling any Form/ Register/ Slip under the provisions of these Regulations which is materially incorrect then on the Report of the Inspecting Officers as defined in the Contractors Labour Regulations the Contractor shall without prejudice to any other liability pay to the Corporation a sum not exceeding Rs.50.00 as liquidated damages for every default, breach or furnishing, making, submitting, filling materially incorrect statement as may be fixed by the Engineer-in-Charge and in the event of the Contractor's default continuing in this respect, the liquidated damages may be enhanced to Rs.50.00 per day for each day of default subject to a maximum of ten percent of the estimated cost of the Works put to tender. The Engineer-in-Charge shall deduct such amount from bills or security deposit of the Contractor and credit the same to the Welfare Fund constituted under Regulations. The decision of the Engineer-in-Charge in this respect shall be final and binding.

### **1.0 CONTRACT LABOUR REGULATIONS :**

- (i) Notice of commencement: The Contractor shall, within SEVEN days of commencement of the work, furnish in writing to the Inspecting Officer of the area concerned the following information :
  - (a) Name and situation of the work.

- (b) Contractor's name and address
  - (c) Particulars of the Department for which the work is undertaken,
  - (d) Name and address of sub-contractors as and when they are appointed.
  - (e) Commencement and probable duration of the work.
  - (f) Number of workers employed and likely to be employed.
  - (g) 'fair wages' for different categories of workers.
  - (h) Number of hours of work which shall constitute a normal working day:-
  - (i) The number of hours which shall constitute a normal working day for an adult shall be NINE hours. The working day of an adult worker shall be so arranged that inclusive of intervals, if any, for rest it shall not spread over more than twelve hours on any day, when an adult worker is made to work for more than NINE hours on any day or for more than FORTY EIGHT hours in any week he shall, in respect of overtime work, be paid wages at double the ordinary rate of wages.
- (ii) Weekly day of rest : Every worker shall be given a weekly day of rest which shall be fixed and notified at least TEN days in advance. A worker shall not be required or allowed to work on the weekly rest day unless he has or will have a substituted rest day, on one of the five days immediately before or after the rest day. Provided that no substitution shall be made which will result in the worker working for more than ten days consecutively without a rest day for a whole day.
- (a) Where in accordance with the foregoing provisions a worker works on the rest day and has been given a substituted rest day he shall be paid wages for the work done on the weekly rest day at the overtime rate of wages.
  - (b) Note: The expression 'ordinary rate of wages' means the fair wage the worker is entitled to.
  - (c) Display of notice regarding Wages, Weekly Day of Rest etc. The Contractor shall before he commences his work on contract, display and correctly maintain and continue to display and correctly maintain in a clean and legible condition in conspicuous places on the works, notice in English and in the local Indian Language, spoken by majority of workers, giving the rate of fair wages, the hours of work for which such wages are payable, the weekly rest days workers are entitled to and name and address of the Inspecting Officer. The Contractor shall send a copy each of such notices to the Inspecting Officers.

- (iii) Register of Workmen: A register of workmen shall be maintained in the Form appended to these regulations and kept at the work site or as near to it as possible, and the relevant particulars of every workman shall be entered therein within THREE days of his employment.
- (iv) Employment Card : The contractor shall issue an employment card in the Form appended to these regulations to each worker on the day of work or entry into his employment. If a worker already has any such card with him issued by the previous employer, the contractor shall merely endorse that Employment Card with relevant entries. On termination of employment the Employment Card shall again be endorsed by the Contractor and returned to the worker.
- (v) Register of Wages etc. : A Register of Wages-Cum-Muster Roll in the Form appended to these regulations shall be maintained and kept at the work site or as near to it as possible.
- (vi) Fines and deductions : Wages of a worker shall be paid to him without any deductions of any kind except the deduction for damage to or loss of goods expressly entrusted to the employed person for custody, or for loss of money which he is required to account for, where such damage or loss is directly attributable to his neglect or default;
  - (a) No fine shall be imposed on a worker and no deductions for damage or loss shall be made from his wages until the worker has been given an opportunity of showing cause against such fines or deductions.
  - (b) The Contractor shall maintain a register of fines and the register of deductions for damage or loss in the Forms appended to these regulations which should be kept at the place of work.
- (vii) Register of Accidents : The Contractor shall maintain a register of accidents in such form as may be convenient at the work place but the same shall include the following particulars:--
  - (a) Full particulars of the labourers who met with accident.
  - (b) Rate of Wages.
  - (c) Sex.
  - (d) Age.
  - (e) EPF UAN number
  - (f) ESI number
  - (g) Aadhaar number
  - (h) Nature of accident and cause of accident.
  - (i) Time and date of accident.
  - (j) Date and time when admitted in hospital.

- (k) Date of discharge from the hospital.
- (l) Period of treatment and result of treatment.
- (m) Percentage of loss of earning capacity and disability as assessed by Medical Officer.
- (n) Claim required to be paid under Workmen's Compensation Act.
- (o) Date of payment of compensation.
- (p) Amount paid with details of the person to whom the same was paid.
- (q) Authority by whom the compensation was assessed.
- (r) Remarks.

[Note: k,l,m,n for the workmen not covered under the ESI provisions]

- (viii) Preservation of Registers : The Register of workmen and the Register of Wages-cum-Muster Roll required to be maintained under these Regulations shall be preserved for 3 years after the date on which the last entry is made therein.
- (ix) Enforcement: The Inspecting Officer shall either on his own motion or on a complaint received by him carry out investigations, and send a report to the Engineer-in-Charge specifying the amounts representing Workers' dues and amount of penalty to be imposed on the Contractor for breach of these Regulations, that have to be recovered from the Contractor, indicating full details of the recoveries proposed and the reasons there for. It shall be obligatory on the part of the Engineer-in-Charge on receipt of such a report to deduct such amounts from payments due to the Contractor.
- (x) Disposal of amounts recovered from the Contractor : The Engineer-in-Charge shall arrange payment to workers concerned within FORTY FIVE days from receipt of a report from the Inspecting Officer except in cases where the Contractor had made an appeal under Regulation 16 of these Regulations. In cases where there is an appeal, payment of workers dues would be arranged by the Engineer-in-Charge, wherever such payments arise, within THIRTY days from the date of receipt of the decision of the competent authority.
- (xi) Welfare Fund : All moneys that are recovered by the Engineer-in-Charge by way of workers dues which could not be disbursed to workers within the time limit prescribed above, due to reasons such as whereabouts of workers not being known, death of a worker etc. and also amounts recovered as penalty, shall be credited to a Fund to be kept under the custody of the Corporation for such benefit and welfare of workmen employed by Contractors.

- (xii) Appeal against decision of Inspecting Officer : Any person aggrieved by a decision of the Inspecting Officer may appeal against such decision to the competent authority concerned within THIRTY days time stipulated from the date of the decision, forwarding simultaneously a copy of his appeal to the Engineer-in-Charge. The decision of the competent authority shall be final and binding upon the Contractor and the workmen.
- (xiii) Inspection of Books and other Documents : The Contractor shall allow inspection of the Registers and other documents prescribed under these Regulations by Inspecting Officers and the Engineer-in-Charge or his authorized representative at any time and by the worker or his agent on receipt of due notice at a convenient time.
- (xiv) Interpretation, etc.: On any question as to the application interpretation or effect of these Regulations, the decision of the Commissioner of Labour (or) Director/ Industrial Safety and Health shall be final and binding.
- (xv) Amendments: Government may, from time to time, add to or amend these Regulation and issue such directions as it may consider necessary for the proper implementation of these Regulations or for the purpose of removing any difficulty which may arise in the administration thereof.

## **2.0 Compliance of EPF& MP Act, 1952:**

- (a) The Contractor who take up works contract for TANGEDCO/TANTRANSCO is required to comply with all the relevant provisions stipulated in the EPF & MP Act;
- (b) The Contractor should have a separate EPF main codenumber.
- (c) The Contractor should be responsible for the payment of necessary EPF contributions both Employer's and Employee's contribution as per the provisions of the EPF Act in respect of the actual workers engaged for the specified works.
- (d) The contractor should submit necessary returns to EPF Organisation within the stipulated time as required under the said EPF & MP Act.
- (e) The Contractor should produce the proof of payment of contribution – both Employer's and Employee's contributions made to EPF Organisation in order to claim the Bills for the respective works.
- (f) The contractor should be fully liable to meet and fulfill all the relevant provisions of the EPF act in the respect of the execution of the Tendered work.

- (g) In case the Contractor fails to fulfill any of the statutory provisions of the EPF & MP Act and consequently it happens that TANGEDCO/TANTRANSCO Ltd has to meet such requirements of the said Act or Statutory provisions in the capacity of Principal Employer, TANGEDCO/TANTRANSCO shall make good such requirements out of the money due and payable to the said Contractor and further the performance of the said Contractor in this regard will be noted for all future Contracts of TANGEDCO/TANTRANSCO.

1.1 In respect of the category of employee for whom the wages are fixed at the rate of Rs.500/- and above in the current PWD Schedule rates (or) say the monthly wages of Rs.15,000/- above. The EPF employer contribution will be restricted upto Rs.15,000/- only.

### **3.0 Compliance of ESI Act 1948 :**

- (a) The contractor who take up the works contract for TANGEDCO & TANTRANSCO is required to comply with all the provisions stipulated to ESI Act 1948.
- (b) The contractor should have a separate ESI main code number.
- (c) The contractor should be responsible for the payment of necessary ESI contributions – both Employer's and Employee's contributions as per the provisions of the ESI Act in respect of the actual workers engaged for the specified works.
- (d) The contractor should submit necessary returns to the ESI Organization within the stipulated time as required under the said ESI Act.
- (e) The contractor should produce the proof of payment of contributions - both Employer's and Employee's contributions made to ESI Organization in order to claim the Bills for the respective work.
- (f) The contractor should be fully liable to meet and fulfill all the relevant provisions of the ESI Act in respect of the execution of the Tendered work.
- (g) In case the Contractor fails to fulfill any of the statutory provisions of the ESI Act and consequently it happens that TANGEDCO & TANTRANSCO has to meet such requirements of the said Act or Statutory provisions in the capacity of Principal Employer, TANGEDCO & TANTRANSCO shall make good such requirements out of money due and payable to the said Contractor and further the performance of the said Contractor in this regard will be noted for all future Contracts of TANGEDCO & TANTRANSCO.



- (h) (i) The contractor who claims exemption under the ESI Act should produce the exemption order obtained from the Government/ESI organization.
- (ii) The contractor who claims exemption for those areas that are not covered under the purview of the ESI Act, necessary evidences should be submitted by the contractor to ensure that the revenue village where the work is being carried out has not been covered under the implemented area of ESI.
- (iii) The category of employees (Technical Assistant II Grade) and above for whom the wages are fixed at the rate of Rs. 700/- and above in the PWD Schedule rates (or) the monthly wages of Rs.21,000/- above. Such employees will not be covered under the ESI Act. In all such conditions, the Contractor has "to ensure the medical benefits for the Workers engaged by the Contractors for the works and has to take relevant group insurance policies with the applicability for giving compensation to the workers" under the Employee's Compensation Act.

#### **4.0 Statutory Compliance Clearance Certificate:-**

- (a) The Contractor executing the works contract in TANGEDCO/TANTRANSCO should obtain the Statutory Compliance Clearance Certification from the Online Compliance Service Providers engaged by TANGEDCO/ TANTRANSCO, the required documents should be submitted by the contractors to the respective Online Compliance Service Providers.
- (b) The charges for Statutory Compliance Clearance Certification will be at the rate of Rs.2.00/- per man day per month with minimum charges of Rs.400/- and maximum charges of Rs.3200/- and Rs.300/- for re-audit due to reasons attributable to the contractor. The charges should be paid by the respective contractors to the service provider through online.

#### **5.0 The Building and Other construction Workers Act:-** (other than the circle/station registered under the Factories Act)

- (a) The contractor should obtain the Registration certificate under the Building and Other construction Workers (Regulation of Employment and Condition of Service) Act, 1996 from the Competent Authority (the Joint Director/Industrial Safety and Health (BOCW)).

- (b) The contractor should comply all the provisions of the Building and Other construction Workers (Regulation of Employment and Condition of Service) Act, 1996.

**6.0 The Contract Labour (Regulation & Abolition) Act 1970 & Rules 1975 and Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979 & Rules 1983.**

- (a) The Contractor who take up works contract for TANGEDCO/TANTRANSCO should deploy sufficient number of workmen for the work and the contractor should deploy 20 or more workmen on a day of emergency (or) in necessity.
- (b) The Contractors should comply with all the provisions of the Contract Labour (Regulation & Abolition) Act, 1970 and Tamilnadu Contract Labour (Regulation & Abolition) Rules 1975 as modified from time to time and shall also indemnify TANGEDCO/TANTRANSCO from all and against any claims under the aforesaid Act and the Rules. The contractors should also submit the copy of the labour licence before executing the works.
- (c) The Contractors who desires to engage the migrant workmen (workmen from other states) for the works contracts of TANGEDCO/TANTRANSCO is required to comply with all the provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979 and Tamilnadu rules, 1983 as modified from time to time and shall also indemnify TANGEDCO/TANTRANSCO from all and against any claims under the aforesaid Act and the Rules The contractors should also submit the copy of the migrant labour licence before executing the works.
- (d) The contractors should maintain the following records as per section 78 of Contract Labour (Regulation & Abolition) central rules 1971.
  - (i) Muster Roll in Form – XVI.
  - (ii) Register of Wages in Form – XVII.
  - (iii) Register of overtime in Form – XVIII.
  - (iv) The contractor shall issue an photo identity card to his employees.

## **7.0 Wages:-**

- (a) The Wages prescribed for the contractor/ industry/ establishment as per rates of Minimum Wages notified by the Government of Tamilnadu under the Minimum Wages Act, 1948 or the current PWD rates of wages, whichever is higher is to be paid by the contractor to their employees.
- (b) The contractor should pay the wages before the expiry of seventh day as per section 65 and shall issue wage slip in Form – XXVIII to the workmen as per section 78(b) of The Tamil Nadu Contract Labour Rules, 1973. The copies of the wage slip so issued to the workmen should be maintained by the contractor and produced as when called for.

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## **8.0 EPF Documents to be Produced for Claiming Bills:-**

- (a) The EPF contribution should be remitted separately (by separate Challan) for each and every work. The acceptance order/ formal order reference number should be entered in the remarks column of the ECR Challan (Electronic Challan Cum Return) and the same should be submitted.
- (b) The payment confirmation receipt should be submitted (the payment confirmation date is mandatory)
- (c) The combined Challan of Account No. 1,2,10,21 & 22 should be submitted.
- (d) All the documents should be duly signed with seal by the contractor.

## **9.0 ESI Documents for While Claiming Bills:-**

- (a) The Monthly Contribution Challan Form should be submitted (Transaction status field – completed successfully is mandatory).
- (b) The contribution history of the respective months should be submitted.
- (c) The month wise statement should be submitted showing the details of the employees utilized by the contractors for the specific work and the contribution remitted as per the below format.

S.No	IP.No	IP.Name	No. of days	Wages	IP Contributions
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- (d) All the documents should duly signed with seal by the contractor.

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### **10.0 Tamil Nadu Rationlisation of Forms and Reports under Certain Labour Laws Rules, 2020.**

The contractor should comply/ maintain the applicable new combined forms introduced vide the following Acts/ Rules.

- (a) The Tamil Nadu Contract Labour (Regulation and Abolition) Rules, 1975.
- (b) The Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) (Tamil Nadu) Rules, 1983.
- (c) The Tamil Nadu Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Rules, 2006.

#### **New Forms:**

FORM I	Certificate of Registration of Principal Employer/Employer (under 3 Rules)
FORM II	Application for Licence/ Renewal of Licence (under CLRA and ISMW Rules)
FORM III	Form of Certificate by Principal Employer (under CLRA and ISMW Rules)
FORM IV	Certificate of Initial and Periodical Test and Examination of Various Appliances (under BOCW Rules)
FORM V	Application for Adjustment of Security Deposit (under CLRA and ISMW Rules)
FORM VI	Licence and Renewal (under CLRA and ISMW Rules)
FORM VII	Notice of commencement/ completion of work (under CLRA and BOCW Rules)
FORM VIII	Service Certificate (under 3 Rules)
FORM IX	Certificate of Medical Examination (under BOCW Rules)
FORM X	Report on recruitment and employment of migrant workmen and cessation of employment of migrant workmen (under ISMW Rules)

FORM XI	Report of Poisoning or Occupational Notifiable Diseases/ Accidents and Dangerous Occurrences (under BOCW Rules)
FORM XII	Application for Registration of Establishments Employing Contract Labour or Migrant Workmen or Building Workers (under 3 Rules)

**11.0 Agreement and Undertaking to be furnished by the contractors in respect of the Statutory Provisions:-**

- (a) An undertaking as specified in Annexure-V should also be obtained from the contractors to ensure the remittance of EPF & ESI, Employee and Employer contribution for the respective works while claiming the bills.
- (b) The TNEB (TANGEDCO/ TANTRANSCO) registered contractor, who wants to execute the works in a circle shall be instructed to execute an agreement with respective Superintending Engineer's of the circle.

**12.0 SAFETY CONDITION:-**

- (i) All the relevant personal protective equipments like safety helmets, safety shoes, safety belt, goggles, nose mask, face mask, dust respirator, asbestos suit, apron, leg guards, rubber gloves, face shield, hand sleeves, ear plug, ear muff, fiber helmet, fall net etc., should be supplied by the contractors to their workmen and ensure proper usage by their workers without fail.
- (ii) Proper welding machines with accessories, good and sound construction of hand tools, power tools such as grinding machines, cutting machines, chipping tools, scaffolding materials, etc., should be used. Proper earthing to be provided wherever necessary.
- (iii) The contractor shall not allow his workmen to wear loose garments, like lingoes, dhotis, watches, loose jewels and bangles, etc., while at work and smoke cigarettes, beedies etc., inside the powerhouse premises.
- (iv) The contractor shall ensure that his workmen wear tight-fitting or half pant while at work inside the powerhouse premises.
- (v) Technically skilled and also safety-oriented supervisor should supervise the work at all time.
- (vi) If any accident occurs, it should be informed to the concerned officer of TANGEDCO in writing by the concerned contractor immediately.

- (vii) For any safety violation and non-compliance of the statutory provisions and rules the contractor is sole responsible and the contractor is liable for any prosecution and imposition of penalty as per the rules in force.

(a) Every opening in floor of a building or in a working platform shall be provided with suitable means to prevent fall of persons or materials by providing suitable fencing or railing with a minimum height of 1 meter.

(b) All practical steps shall be taken to prevent danger to persons employed, from risk of fire or explosion, or flooding. No floor, roof, or other part of a building shall be so overloaded with debris or materials as to render it unsafe.

All necessary personal safety equipment as considered adequate by the Engineer-in-Charge shall be available for use of persons employed on the Site and maintained in a condition suitable for immediate use; and the Contractor shall take adequate steps to ensure proper use of equipment by those concerned.

- (i) When workers are employed in sewers and manholes, which are in use the Contractor shall ensure that manhole covers are opened and manholes are ventilated at least for an hour before workers are allowed to get into them. Manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to public.

(a) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.

(b) Suitable face masks shall be supplied for use by workers when paint is applied in the form of spray or a surface having lead paint dry rubbed and scrapped.

- (ii) Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following :-

(a) These shall be of good mechanical construction, sound material and adequate strength and free from patent defects and shall be kept in good working order and properly maintained.

(b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.

- (iii) The Contractor shall at his own expense arrange for the safety provisions as appended to these conditions or as required by the Engineer-in-Charge, in respect of all labour directly employed for performance of the works and shall provide all facilities in connection therewith. In case the Contractor fails to make arrangements and provide necessary facilities as aforesaid, the Engineer-in-Charge shall be entitled to do so and recover the cost thereof from the Contractor.

- (iv) Failure to comply with Safety Code shall make the Contractor liable to pay to the Corporation as liquidated damages an amount not exceeding Rs. 50.00 for each default or materially incorrect statement. The decision of the Engineer-in-Charge in such matters based on reports from the Inspecting Officers as defined in the Contract Labour Regulation as appended to these conditions shall be final and binding and deductions for recovery of such liquidated damages may be made from any amount payable to the Contractor.
  - (a) All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in a safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall be provided at or near places of work.
  - (b) These safety provisions shall be brought to the notice of all concerned by display on a notice board at a prominent place at the work spot. Persons responsible for ensuring compliance with the Safety Code shall be named therein by the Contractor.
  - (c) To ensure effective enforcement of the rules and regulations relating to safety precautions, arrangements made by the Contractor shall be open to inspection by the Engineer-in-Charge or his representatives and the Inspecting Officers as defined in the Acts/Rules applicable.
  - (d) The Contractor is not exempted from the operation of any other Act or Rule in force.

#### **46.0 GENERAL:**

1. Notwithstanding any thing contained in any of the above terms and conditions, the TANGEDCO shall have the right to relax waive any of the conditions of the contract wherever deemed necessary in the interest of the TANGEDCO.
2. The transportation of men and materials to work and site and back shall be arranged by the contractor.
3. Cost of transport of materials, lead & lift, scaffolding tools, machineries required for carrying out the work in complete shape is in the scope of the contractor.
4. All T & P`s and consumables required for the work should be provided by the contractor at his scope.
5. All tests are to be performed as per the latest issue of relevant IS Standards with latest amendments thereof.
6. The work should be carried out as per the specification and instruction of the Engineer in charge by engaging adequate skilled & suitable labourers to complete the entire work in time.
7. The contractor should take over the site immediately on receipt of the works contract order and commence the work.

8. As the Job involves with material handling during dismantling and assembling at site, which requires manpower requirement, the contractor has to take up the responsibility for their Insurance, Accommodation, Conveyance, Food, and Safety at the time of work and stay at site etc.
9. During the course of execution of work if other persons meet with an accident, the contractor alone is responsible to compensate the individual for loss.
10. No damage should be caused to TANGEDCO's property and equipment. In the event of any damage caused, the same should be set right by the contractor at his cost.
11. The contract is liable for termination at any time during the period of contract without assigning any reasons thereof.
12. All the workers and supervisory staffs should be insured as per Workman Compensation Act. The TANGEDCO will not be responsible for any compensation in the event of any loss due to accident. The same has to be borne by the contractor. Any direct or indirect loss due to accident has to be made good by the contractor.
13. If the contractor does not carry out the work to the entire satisfaction of the Engineer in charge, the contract will be liable for termination without any reasons thereof.
14. After completion of work, the Unit I of Kadamparai Power House should be commissioned successfully. If any fault occurs the contractor has to rectify the defect at his own cost.
15. The design, Material, Composition, Fabrication, Manufacture, Commissioning, Testing and Performance of all the materials should comply with all currently applicable standard regulations and safety codes.
16. The materials should generally conform to relevant standards as amended from time to time.
17. Bidder shall visit the plant before submitting the bid so as to make sure of the requirements. The bidder will alone be responsible for ignoring this visit to site before tendering and TANGEDCO will in no way be liable for this lapse on the part of the bidder.
18. All the required materials even though not specifically mentioned, shall be provided by the tenderer for successful completion of the works and commissioning of the Unit-I of Kadamparai Power House without any extra cost and is within the scope of the Contract.

#### **47.0 SIGNATURE OF TENDERERS:**

The tender must contain the name, residence and place of business of the person or persons making the tender and must be signed and sealed by tenderer with his usual signature.

A tender by a partnership concern must furnish the full names of all partners. It should be signed by one of members of the partnership or by an authorized representative followed by the name and designation of the person or persons signing.

Tenders by corporations/companies must be signed with the legal names of the corporations/companies by the President, Secretary or any other person or persons authorized to bind the corporation/company in the matter.



**48.0 SPECIFICATION AND CLARIFICATIONS:**

The tenderer shall study carefully the specification and conditions that are contained in this specification before tendering.

If the tenderer has any doubt as to the meaning of any portion of this specification, he could refer to the Chief Engineer/Hydro (Electrical)/ 5<sup>th</sup> Floor, Eastern Wing, N.P.K.R.R.MAALIGAI/ TANGEDCO, 144, Anna Salai, Chennai-2 (Ph: 044 - 28521416), in writing and obtain the clarification well in advance.

**49.0 DEPARTURE FROM THIS SPECIFICATION CLAUSE:**

If the tenderer wishes to depart from the specification clauses in any respect he shall draw the attention to support points of departure explaining fully the reasons thereof. Unless, this is done the requirement of this specification clause will be deemed to have been accepted in every respect.

**50.0 TENDERER'S UNDERSTANDING OF TENDER/DOCUMENT:**

The tenderer shall carefully examine the tender documents and fully inform himself as to all the condition and matters which may be in any way affect the work or the cost thereof. Should a tenderer find discrepancies in, or omissions from the specification or documents, or should be in doubt as to their meaning, he should at once notify the Chief Engineer/ Hydro (Electrical)/ 5<sup>th</sup> Floor, Eastern Wing, N.P.K.R.R.MAALIGAI / TANGEDCO, 144, Anna Salai, Chennai-2 (Ph: 044 - 28521416) and obtain clarification in writing prior to submitting the tender.

**51.0 MODIFICATION OF TENDER DOCUMENTS:**

Modification of specifications and extension of the opening date of the tender, if found necessary, will be made.

**52.0 TECHNICAL CLARIFICATION:**

Any technical clarification regarding this tender may be obtained from Superintending Engineer / Kadamparai Generation Circle / Minparai.

**53.0 INDEMNITY BOND:**

An indemnity bond for Rs.3 Crores should be executed by the successful contractor with the SE/Kadamparai GC, before taking the runner, turbine shaft, Guide vanes-24 Nos and wear rings for top and bottom cover, from the Kadamparai power house for rectification / refurbishment works. This Indemnity Bond shall be valid till the handing over of the above equipments after satisfactory completion of work back to the Engineer.

In Order to enable the Contractor to carry out his obligation under the Contract such as receipt at Site, Storage, Rectification, Testing, etc., the

Owner shall hand over the Goods to the Contractor against an Indemnity Bond in the format enclosed as Annexure-VI.

## **SECTION-VI**

### **TECHNICAL**

#### **SCOPE OF WORKS:-**

1. Releasing of the Cooling water pipes, Balancing pipes, Air Pipe lines, Greasing lubrication system pipe lines, Supervisory and Control circuit connections of the Turbine pit area after proper identification marking.
2. Dismantling of coupling bolts and Nuts between Generator and Turbine shaft assembly and Removal of the Intermediate shaft (weight: 8500 kg approx) with proper lifting Arrangements such as Lifting Beams, Lifting Stools, muffs and required Bolted/welded Lifting Frame materials with special Tools and Tackles as required at site.  
Note: (The 1 number of muffs, 2 nos of Lifting beams, 4 nos of 12 T Capacity Hand operated chain Block Trolley Hoists, and 30/150T EOT crane will be provided by TANGEDCO.
3. Dismantling and Removing the Turbine Guide bearing internals and Oil sump with supporting Ribs after proper prior marking.
4. Dismantling and Removal the shaft seal Assembly Counter weights, Shaft seal Top cover and shaft seal, Studs, Shaft cone, Static seal and its connected components after proper prior marking.
5. Dismantling and releasing of all the Guide Apparatus (G.A) such as Guide vane servomotor's Connecting rods, Links, Levels, Arms and Removal of the Regulating Ring with proper prior marking.
6. Dismantling and Removal of 24 Numbers of Guide vane Assemblies such as Cover plates, Guide vane Top bearings, and Guide vane bearing Housings, hubs, Levers, Links and seals with proper prior marking.
7. Dismantling and Removal of the Turbine Top Cover Assembly (weight:47T ) with Assembling components with proper prior marking.
8. Dismantling and Removal of the Turbine shaft (weight : 8000 kg approx ) and Runner (weight 15000 kg approx ) after removal of sheared bushes and Runner Bolt and nuts with proper prior marking and required Lifting Arrangements such as Lifting Beams, Lifting Stools, muffs and Bolted,/welded Lifting Frame materials with special Tools and Tackles as per site requirement.
9. Supply of Guide vane end seals(Quantity :48 numbers ) Moulded synthetic Rubber material as per sample suitable for the dismantled guide vane assembly during the Rectification works.
10. Supply of Runner Stud bolts and nuts (Quantity:6 sets) of size M56 x 265mm Long of B-S- 970 grade material for studs and M56 Hex Nuts of BS-3692 Grade-8 material for nuts. Specifications and dimensions as per the sample one suitable for Reconditioned Turbine shaft with Runner reassembling works.( 1 set = Stud Bolt-1 No.+ Nut 1 No. ).
11. Supply of Runner shear Bushes (Quantity: 6 sets) for the application of 100 MW torque transmission, of size Dia 103 x 205 mm Long or as per finished Bore of Turbine Shaft and Runner, with Retaining Bolts of Size M16 x 220mm long as per sample suitable for Reconditioned Turbine shaft with Runner reassembling works. (1 set = Shear bush1 No. + Retaining bolt 1 No.).

12. Supply of various sizes fasteners, such as M 24 X 75 mm length HT bolt and nut (10.9 Grade), M 30 X 90 mm length HT bolt and nut (10.9 Grade), M 30 X 155 mm length HT bolt and nut (10.9 Grade), M 36 X 160 mm length HT bolt and nut (10.9 Grade). M 16 X 65 mm length HT bolt and nut (10.9 Grade), M 12 X 30 mm length HT bolt and nut (10.9 Grade), M 12 X 35 mm length HT bolt and nut (10.9 Grade) etc., Supply of Various sizes of O rings and Rubber cords such as 5 mm Dia, 6 mm Dia, 8 mm Dia, 10 mm Dia, 12mm Dia etc., Consumables Such as Molykote grease, M seal, anabond , Gaskets, welding electrode DA gas, Oxygen gas, cotton waste, banian waste, emery sheat, auto gasket maker etc.
13. Clearing off the burrs and scratches on the upper and lower Wearing ring surfaces, Guide vane faces, Top and bottom cheek plate surfaces and polishing the same, equivalent to the undamaged sectors of the components with respect to its original profile.
14. Boring and Reaming of existing Turbine shaft and Runner for the correction of the Shear bush holes to match with the turbine shaft Flange holes that suit with the existing runner at factory by using Horizontal/Vertical CNC machines. Note: Shear bush holes in the shaft will be enlarged from 102 to 103/104 according to the ovality of shaft flange/Runner. The same size has to be maintained in Runner. The cost is including transportation of Runner & Turbine shaft from Power House to factory and back to Power House.
15. Complete Re-assembling and Re-alignment of the Reconditioned existing Runner and reconditioned existing Turbine shaft by using suitable new shear bushes and stud bolts & nuts in respect to the wearing Ring, Labyrinth and the machine centre vertical Axis. The prescribed Accuracies in BHEL Manual have to be followed in Re-erection and Re-alignment i.e within the limits of TGB throw 0.09mm and LGB throw 0.03mm based on TGB and LGB bearing condition.
16. Complete Re-assembling of 24 Numbers of Guide vane Assemblies such as Cover plates, Guide vane Top bearings, Guide vane bearing Housings, hubs and end seals after required Rectification works on these components. Re-alignment and Renewal of the worn-out fasteners, O-rings, dowels and minor Assembling parts as required The Re-assembling accuracies to be followed as per BHEL standards. i.e All the Guide vanes adjacent gaps should be within +/- 0.25 mm.
17. Complete Re-assembling of Turbine Top Cover Assembly (weight:47T ) after Rectification works, Re-alignment, and Renewal of the worn-out fasteners, worn out Dowels, O-rings and minor Assembling parts as required. The Re-assembling accuracies to be followed as per BHEL standards. While Re-assembling the Top cover the accuracy of Equi-Distance between Top and bottom cheek plates have to be maintained Top cover Flanges Tightening Torque should be 1650 kgm.
18. Complete Re-assembling of the released Turbine Shaft Top cover and Shaft Seal Assembly such as Static seal, Shaft Cone, Shaft Seal, Stud, Shaft Seal Cover, Counter Weights and Re-alignment of the shaft seal assembly with grubbed shaft cone on the shaft and connected components after the Rectification works by Renewal of the worn-out fasteners, O-rings, dowels and minor Assembling parts as required. The Re-assembling accuracies to be followed as per BHEL standards. i.e The nominal static clearance is 0.75mm

between inner cover and shaft OD. (The shaft end seal, shaft cone and counter weights will be supplied by M/s. TANGEDCO).

19. Complete Re-assembling of the entire dismantled TGB Components such as Turbine Guide bearing oil sump with supporting Ribs, all the Bearing internals, Re-aligning back, O-rings and minor Assembling parts. (All the rubber O-rings, fasteners, worn out dowels have to be renewed and other minor assembling parts is concerned of the above dismantled old materials have to be renewed.) The Re-assembling accuracies as per the BHEL Standards i.e (TGB Clearances: 0.15 to 0.20mm ).
20. Complete Reassembling of all the Guide Apparatus (G.A) such as Guide vane servomotors, Links, Levers, Arms and the Regulating Ring, after the Rectification works with perfect Re-alignment and Renewal of worn-out fasteners, O-rings and minor Assembling parts. The Reassembling accuracies are to be followed as per the BHEL Standards. The Guide vane levers assembly to be set to slip Torque of 5000/6500 Kgm. For Links slip Torque is 12500/16250 Kg. Complete Re-Erection of the dismantled Intermediate shaft by coupling with the existing Generator Rotor and Turbine shaft which includes renewal of worn out fasteners for the coupling guard and minor assembling parts (The coupling stud bolts tightening Torque has to be 2.315 Tonne metres with a nominal elongation of bolts to 0.265mm).
21. Complete Reassembling of all the Cooling water pipes, Balancing pipes, Air Pipe lines, Greasing lubrication system pipe lines, Supervisory and control circuit connections from the works with the Renewal of worn-out fasteners, 'O'-rings and minor Assembling parts
22. Complete Re-alignment of the whole unit (Comprising of Generator, Rotor, Turbine, Turbine shaft, Intermediate shaft and all the Rotating parts with the Existing static components and fixed References of the unit-1. The Values achieved in leveling, Rotor centering, Run-out readings, throw, Labyrinth and bearing clearances by the Re-alignment have to be as per BHEL recommended standards. i.e UGB, LGB, TGB radial clearance is within 0.2mm; Turbine Labyrinth clearance within 1.0mm; lower wearing ring axial clearance to be within 10mm + 1mm; TGB radial throw within 0.09mm; LGB radial throw within 0.03mm.
23. Dynamic Balancing of the whole Rotor assembly of the Unit to achieve the accepted vibration Levels, as per I.S. (Vibration in Top Bracket and in all the three GTGB, GBGB and TGB Bearings have to be proved to be within the Limits as furnished in Special condition Point– A) and Successful Commissioning of the Unit-1 of Kadamparai power house, for a continuous running of 72 Hours with full load. (Within prescribed Parameters as furnished in Special condition Point – B).

**Point A : Temperature limits to be achieved during re-commissioning.**

Thrust pad temperature within 75 degree Celsius.

UGB Journal pads temperature within 70 degree Celsius.

LGB Journal pads temperature within 70 degree Celsius.

TGB Journal pads temperature within 70 degree Celsius.

**Point B : Vibration levels to be achieved on re-commissioning.**

Both in generator mode (full load) and in pump mode (full load) operations the

vibration levels to be achieved are within 50 microns of displacement and within 2.5 m/sec of velocity, which are valued as GOOD as per the vibration chart equivalent to ISO 10816. The values are to be proved both in axial and radial directions, measured on all the bearings of the unit and on the top bracket.

### **SPECIAL CONDITIONS**

**(a)** The 150/30 T Capacity EOT Crane of Kadamparai power house will be spared for the Re-erection work subject to the availability at that time from other works of TANGEDCO.

**(b)** While Re-assembling the Turbine components and Auxiliaries, only the molybdenum disulphide based grease only used for all the threads and sliding surfaces.

**(c)** During the spare Runner Re-assembling, it should be taken care of that the throw circle centre is coincident with unit's true centre. The plumb setting has to prove within 0.10mm.

**(d)** During Re-erection of Intermediate shaft and Runner shaft it should be proved that there is no any angular Displacement between the shafts of the units.

**(e)** All kinds of special Tools, lifting arrangements, Tools & Plants, welding units, cutting gas sets, slings, component handling materials, special jigs Fixtures Etc, All kinds of measuring Instruments, Gauges, Testing Equipments, Calibration kits Etc are contractors scope.

**(f)** All kinds of Tests both Mechanical and Electrical sides, have to be witnessed by the TANGEDCO field Engineers and a report comprising the details and results have to be furnished to TANGEDCO., for each Test conducted. Contractor must inform to field officials of TANGEDCO in advance for carrying out each WORK.

**(g)** The references of either the IS standards or M/s BHEL only have to be taken for consideration Achievement/ Guidance's- In case of any discrepancies regarding the Test Results, Alignment values, vibration levels and unit running Parameters, during the Re-erection and Re-commissioning Activities.

**(h)** During the Dismantling of the Inner cover, Top Cover, and Guide vane system Assemblies Etc. the Flanges, Bolts, nuts stud bolts of any size if found damaged or thread spoiled then the same have to be manufactured/ procured, by the Firm and to be assembled with at site the materials procured such, have to be shown to the TANGEDCO., field Engineers and get consent before Re-assembling.

**(i)** The labour licence under Contract Regulation Abolition Act, 1970 should be obtained by the Successful Contractor from the Competent Authority prior to execution of works.

**SECTION – VII – FORMATS**  
**SPECIFICATION NO.HE-2423**  
**SCHEDULE - `A'- PRICE SCHEDULE**  
**(To be filled ONLINE by the Tenderer)**

Name of the work: Rectification of sheared Runner bolts by dismantling all Turbine assemblies, Refurbishment of existing Runner with existing turbine shaft, re-assembling & re-alignment of whole unit and Re- Commissioning of the Unit-I at Kadamparai Power House in Kadamparai Generation Circle.

SL N O.	DESCRIPTION OF WORK	QTY	UNIT MATER IAL	TOTAL MATERI AL	UNIT LABOU R	TOTAL LABOU R
	<b>I.DISMANTLING</b>					
1	Charges towards the Releasing of the Cooling water pipes, Balancing pipes, Air Pipe lines, Greasing lubrication system pipe lines, Supervisory and Control circuit connections of the Turbine pit area of after proper identification marking.	LS				
2	Charges towards the Dismantling of coupling bolts and Nuts between Generator and Turbine shaft assembly and Removal of the Intermediate shaft (weight: 8500 kg approx) with proper lifting Arrangements such as Lifting Beams, Lifting Stools, muffs and required Bolted/welded Lifting Frame materials with special Tools and Tackles as required at site. <b>Note:</b> (The 1 number of muffs, 2 nos of Lifting beams, 4 nos of 12 T Capacity Hand operated chain Block Trolley Hoists, and 30/150T EOT crane will be provided by TANGEDCO.	1No.				
3	Charges towards the Dismantling and Removing the Turbine Guide bearing internals and Oil sump with supporting Ribs after proper prior marking.	LS				
4	Charges towards the Dismantling and Removal the shaft seal Assembly Counter weights, Shaft seal Top cover and shaft seal, Studs, Shaft cone, Static seal and its connected components after proper prior marking.	LS				

5	Charges towards the Dismantling and Releasing of all the Guide Apparatus (G.A) such as Guide vane servomotor's Connecting rods, Links, Levels, Arms and Removal of the Regulating Ring with proper prior marking.	LS				
6	Charges towards the Dismantling and Removal of 24 Numbers of Guide vane Assemblies such as Cover plates, Guide vane Top bearings, and Guide vane bearing Housings, hubs, Levers, Links and seals with proper prior marking.	LS				
7	Charges towards the Dismantling and Removal of the Turbine Top Cover Assembly (weight: 47T ) with Assembling components with proper prior marking.	LS				
8	Charges towards the Dismantling and Removal of the Turbine shaft (weight : 8000 kg approx ) and Runner (weight 15000 kg approx ) after removal of sheared bushes and Runner Bolt and nuts with proper prior marking and required Lifting Arrangements such as Lifting Beams, Lifting Stools, muffs and Bolted,/ welded Lifting Frame materials with special Tools and Tackles as per site requirement. <b>Note:</b> (The 1no muffs , 2 nos of Lifting beams, 4 nos of 12 T capacity Hand operated chain Block Trolley ,Hoists and 30/150 T EOT crane will be provided by the TANGEDCO.	LS				
<b>II. SUPPLY OF REPLACEMENT SPARES</b>						
1	Supply of Guide vane end seals (Quantity :48 numbers) Moulded synthetic Rubber material as per sample suitable for the dismantled guide vane assembly during the Rectification works.	48 Nos.				



2	Supply of Runner Stud bolts and nuts (Quantity:6 sets) of size M56 x 265mm Long of B-S- 970 grade material for studs and M56 Hex Nuts of BS-3692 Grade-8 material for nuts. Specifications and dimensions as per the sample one suitable for Reconditioned Turbine shaft with Runner reassembling works.( 1 set = Stud Bolt-1 No.+ Nut 1 No. )	6 Sets				
3	Supply of Runner shear Bushes (Quantity: 6 sets) for the application of 100 MW torque transmission, of size Dia 103 x 205 mm Long or as per finished Bore of Turbine Shaft and Runner, with Retaining Bolts of Size M16 x 220mm long as per sample suitable for Reconditioned Turbine shaft with Runner reassembling works. (1 set = Shear bush1 No. + Retaining bolt 1 No.)	6 Sets				
4	Supply of various sizes fasteners, such as M 24 X 75 mm length HT bolt and nut (10.9 Grade), M 30 X 90 mm length HT bolt and nut (10.9 Grade), M 30 X 155 mm length HT bolt and nut (10.9 Grade), M 36 X 160 mm length HT bolt and nut (10.9 Grade). M 16 X 65 mm length HT bolt and nut (10.9 Grade, M 12 X 30 mm length HT bolt and nut (10.9 Grade), M 12 X 35 mm length HT bolt and nut (10.9 Grade) etc., Supply of Various sizes of O rings and Rubber cords such as 5 mm Dia, 6 mm Dia, 8 mm Dia, 10 mm Dia, 12mm Dia etc., Consumables Such as Molykote grease, M seal, anabond , Gaskets, welding electrode DA gas, Oxygen gas, cotton waste, baniyan waste, emery sheat, auto gasket maker etc.,	LS.				

<b>III. REFURBISHMENT OF TURBINE COMPONENTS</b>					
1	Charges towards the Clearing off the burrs and scratches on the upper and lower Wearing ring surfaces, Guide vane faces, Top and bottom cheek plate surfaces and polishing the same, equivalent to the undamaged sectors of the components with respect to its original profile.	LS			
2	Charges towards the Boring and Reaming of existing Turbine shaft and Runner for the correction of the Shear bush holes to match with the turbine shaft Flange holes that suit with the existing runner at factory by using Horizontal/Vertical CNC machines. Note: Shear bush holes in the shaft will be enlarged from 102 to 103/104 according to the ovality of shaft flange/Runner. The same size has to be maintained in Runner. The cost is including transportation of Runner & Turbine shaft from Power House to factory and back to Power House.	LS			
<b>IV. COMPLETE RE-ASSEMBLING</b>					
1	Charges towards Complete Re-assembly and Re-alignment of the Reconditioned existing Runner and reconditioned existing Turbine shaft by using suitable new shear bushes and stud bolts & nuts in respect to the wearing Ring, Labyrinth and the machine centre vertical Axis. The prescribed Accuracies in BHEL Manual have to be followed in Re-erection and Re-alignment i.e within the limits of TGB throw 0.09mm and LGB throw 0.03mm based on TGB and LGB bearing condition	LS			

2	Charges towards Complete Re-assembling of 24 Numbers of Guide vane Assemblies such as Cover plates, Guide vane Top bearings, Guide vane bearing Housings, hubs, and end seals after required Rectification works on these components. Re-alignment and Renewal of the worn-out fasteners, O-rings , dowels and minor Assembling parts as required The Re-assembling accuracies to be followed as per BHEL standards. i.e All the Guide vanes adjacent gaps should be within +/- 0.25 mm.	LS				
3	Charges towards the Complete Re-assembling of Turbine Top Cover Assembly (weight:47T ) after Rectification works, Re-alignment, and Renewal of the worn-out fasteners, worn out Dowels, O-rings and minor Assembling parts as required. The Re-assembling accuracies to be followed as per BHEL standards. While Re-assembling the Top cover the accuracy of Equi-Distance between Top and bottom cheek plates have to be maintained Top cover Flanges Tightening Torque should be 1650 kgm.	LS				
4	Charges towards the Complete Re-assembling of the released Turbine Shaft Top cover and Shaft Seal Assembly such as Static seal, Shaft Cone, Shaft Seal, Stud, Shaft Seal Cover, Counter Weights and Re-alignment of the shaft seal assembly with grubbed shaft cone on the shaft and connected components after the Rectification works by Renewal of the worn-out fasteners, O-rings, dowels and minor Assembling parts as required. The Re-assembling accuracies to be followed as per BHEL standards. i.e The nominal static clearance is 0.75mm between inner cover and shaft OD. (The shaft end seal, shaft cone and counter weights will be supplied by M/s. TANGEDCO)	LS				

5	Charges towards the Complete Re-assembling of the entire dismantled TGB Components such as Turbine Guide bearing oil sump with supporting Ribs, all the Bearing internals, Re-aligning back , O-rings and minor Assembling parts. (All the rubber O-rings, fasteners, worn out dowels have to be renewed and other minor assembling parts is concerned of the above dismantled old materials have to be renewed.) The Re-assembling accuracies as per the BHEL Standards i.e (TGB Clearances : 0.15 to 0.20mm )	LS				
6	Charges towards the Complete Reassembling of all the Guide Apparatus (G.A) such as Guide vane servomotors, Links, Levers, Arms and the Regulating Ring, after the Rectification works with perfect Re-alignment and Renewal of worn-out fasteners, O-rings and minor Assembling parts. The Reassembling accuracies are to be followed as per the BHEL Standards. The Guide vane levers assembly to be set to slip Torque of 5000/6500 Kgm. For Links slip Torque is 12500/16250 Kg. Complete Re-Erection of the dismantled Intermediate shaft by coupling with the existing Generator Rotor and Turbine shaft which includes renewal of worn out fasteners for the coupling guard and minor assembling parts ( The coupling stud bolts tightening Torque has to be 2.315 Tonne metres with a nominal elongation of bolts to 0.265mm).	LS				
7	Charges towards the Complete Reassembling of all the Cooling water pipes, Balancing pipes, Air Pipe lines, Greasing lubrication system pipe lines, Supervisory and control circuit connections from the works with the Renewal of worn-out fasteners, O-rings and minor Assembling parts.	LS				

<b>V. RE-ALIGNMENT, DYNAMIC BALANCING &amp; RE-COMMISSIONING</b>						
1	Charges towards the Complete Re-alignment of the whole unit (Comprising of Generator, Rotor, Turbine, Turbine shaft, Intermediate shaft and all the Rotating parts with the Existing static components and fixed References of the unit-1. The Values achieved in leveling, Rotor centering, Run-out readings, throw, Labyrinth and bearing clearances by the Re-alignment have to be as per BHEL recommended standards. i.e UGB, LGB, TGB radial clearance is within 0.2mm; Turbine Labyrinth clearance within 1.0mm; lower wearing ring axial clearance to be within 10mm + 1mm; TGB radial throw within 0.09mm; LGB radial throw within 0.03mm.	LS				
2	Charges towards the Dynamic Balancing of the whole Rotor assembly of the Unit to achieve the accepted vibration Levels, as per I.S. (Vibration in Top Bracket and in all the three GTGB, GBGB and TGB Bearings have to be proved to be within the Limits as furnished in Special condition Point- A) and Successful Commissioning of the Unit-1 of Kadamparai power house, for a continuous running of 72 Hours with full load. (Within prescribed Parameters as furnished in Special condition Point – B).	LS				
Sub Total						
GST @18%						
Total						

\* For the bidders inside TN - GST is (CGST + SGST)

For the bidders outside TN – GST is IGST

COMPANY SEAL

DATE

SIGNATURE  
DESIGNATION  
COMPANY NAME

**Signed/-  
Chief Engineer/Hydro**

**Schedule- B****SPECIFICATION NO.HE -2423****DEVIATION FROM TECHNICAL SPECIFICATION**

All technical deviations from the specification shall be filled in by the Tenderer, clause by clause, in the Schedule.

SECTION NO.	CLAUSE NO.	DEVIATION

The Tenderer hereby certifies that the above-mentioned are the only deviations from the Technical Specification and the tender conforms to the specification in all other respects.

COMPANY SEAL:

SIGNATURE :

DATE:

DESIGNATION :

COMPANY :

**SCHEDULE – C**  
**SPECIFICATION NO.HE -2423**  
**DEVIATION FROM COMMERCIAL SPECIFICATION**

All Commercial deviations from the specification shall be filled in by the tenderer, clause by clause, in the Schedule.

<b>SECTION NO</b>	<b>CLAUSE NO</b>	<b>DEVIATION</b>

The tenderer hereby confirms that the above mentioned are the only deviations from the Commercial Specification and the tender conforms to the specification in all other respects.

COMPANY SEAL

DATE

SIGNATURE

DESIGNATION

COMPANY NAME

**SCHEDULE –D**  
**SPECIFICATION NO.HE -2423**  
**STATEMENT OF WORK ORDERS EXECUTED/ UNDER EXECUTION DURING**  
**THE PAST TEN YEARS AS ON DATE OF TENDR OPENING**

Sl No	Name & Address of the Organization incl. other SEBs	Name of the material/works	P.O./ WCT No. & Date	Qty	Value of order in Rs. Lakhs FOR (D) Price **	Schedule date of completion of Order	Actual date of Completion of Order	Whether PO Copy is Enclosed (Yes/ No)	Whether End User Certificate Copy is Enclosed (Yes/ No)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
** Split up details such as Ex-works Price, F&I and GST FOR (D) per each may be enclosed separately.									

NOTE:

1) Copies of orders received shall be enclosed.

COMPANY SEAL

DATE

SIGNATURE

DESIGNATION

COMPANY NAME



**SCHEDULE – E**  
**TAMIL NADU GENERATION AND DISTRIBUTION CORPORATION LIMITED**  
**DECLARATION FORM**  
**SPECIFICATION NO.HE -2423**

To  
 The Chief Engineer/Hydro  
 TANGEDCO,  
 5<sup>th</sup> Floor, Eastern Wing,  
 NPKRR Maaligai, Electricity Avenue,  
 144, Anna Salai,  
 Chennai – 600 002.

Dear Sir,

1. Having examined the above specification together with the accompanying schedules etc., we hereby offer to supply the equipment covered in this specification at the rates entered in the attached schedule of prices.

2. We hereby guarantee the particulars entered in the schedules attached to the specification.

3. In accordance with security deposit cum performance guarantee clause, Section-V, of the specification we agree to furnish security deposit cum performance guarantee to the extent of 5% of the total value of the contract/ retain 5% payment till the expiry of guarantee period.

4. Our company is not a potentially Sick Industrial Company or a Sick Industrial Company in terms of Section-23 or Section-15 of the Sick Industrial Companies (Special Provisions) Act, 1985.

Yours faithfully,

PLACE :

DATE :

COMPANY SEAL :

SIGNATURE :

DESIGNATION :

COMPANY :

**SCHEDULE-F**  
**SPECIFICATION NO.HE -2423**  
**DECLARATION FORM**

**To be signed with company seal on letter head and uploaded in the technical Bid**

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head) Date:

To,

-----

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No:-----Name of Tender/Work

Dear Sir,

1. I/We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

-----

As per your advertisement, given in the above mentioned website(s).

2. I/We hereby certify that I/We have read the entire terms and conditions of the tender documents from page No.----- to -----(including all documents like annexure(s), schedule(s), etc.,) which form part of the contract agreement and I/We shall abide hereby the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organization too has also been taken into consideration, while submitting this acceptance letter.

4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s) corrigendum(s) in its totality / entirety.

5. In case any provisions of this tender are found violated, then your department/organization shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,  
 (Signature of the bidder, with official Seal)

**SCHEDULE – G**  
**QUESTIONNAIRE-A**  
**CHECK LIST FOR BID QUALIFICATION**  
**(TO BE KEPT IN THE ENVELOPE-A“COMMERCIAL AND TECHNICAL BID”)**

S.No.	Particulars	Bidder's Response.
01	Name and Address of the Firm/Company.	
02	Address of the Registered office, Phone Nos. etc.,	
03	Address of the Factory/Works, Phone Nos. etc.,	
04	Fax No. for correspondence and E-Mail address.	
05(a)	Confirm whether the tenderer has previous experience in carrying out the tendered work as a single contract to any State Electricity Boards or PSUs or Govt. of India or state government organization or Undertaking of Central Govt. or State Govt. during the preceding Ten years as on the date of tender opening.	Yes/No
(b)	If yes, whether attested documentary evidence is enclosed as per BQR condition.	
(c)	If so, list the documentary evidence.	
06	Whether the bidder is old supplier/contractor to TANGEDCO.	Yes/No
07	Whether the attested copies of orders executed to Power Utilities in State or Central Sector/Public Sector Undertakings/any Govt. Organizations/Govt. undertakings enclosed.	Yes/No
08	Whether attested copies of performance certificates from the end users enclosed.	Yes/No
09	Annual Turnover of the Bidder for the preceding three years. 2018 – 2019 2019 - 2020 2020 – 2021	
10(a)	Whether attested copies of the documentary evidence produced for the annual turnover.	Yes/No
(b)	If so, whether certificate from auditor furnished or copies of audited annual statement of accounts furnished, duly attested ones.	

**UNDERTAKING**

I , \_\_\_\_\_ Sole Proprietor / Partner of M/s. \_\_\_\_\_ give undertaking that details given in the above QUESTIONNAIRE-A are correct to the best of my knowledge and I agree to abide by all your Tender / Order terms & conditions.

Date :

Place :

SIGNATURE OF THE TENDERER  
NAME

STATUS IN THE COMPANY  
(AFFIX SEAL OF THE COMPANY)

**QUESTIONNAIRE-B****CHECK LIST FOR COMMERCIAL TERMS****(TO BE KEPT IN THE ENVELOPE- A"COMMERCIAL AND TECHNICAL BID")**

S.No.	Particulars	Bidder's Response.
01	<b>EARNEST MONEY DEPOSIT:</b>	
(i)	Amount.	Rs. 1,16,000/-
(ii)	Mode of payment.	NEFT/RTGS/ by way of Account transfer/ Permanent EMD
(iii)	If exempted state whether the bidder is.	SSI unit of Tamil Nadu/SSI unit registered with NSIC/Unit of Government of Tamil Nadu.
(iv)	If SSI unit state whether copy of duly attested permanent Registration Certificate enclosed.	Yes/No
(v)	Whether the material tendered is included in the certificate.	Yes/No.
(vi)	Validity of the permanent registration certificate.	Yes/No
02	Whether the offer is valid for a period of 90 (Ninety) days from the date of opening of commercial/ Technical bids.	Yes/No
03	<b>PRICE:</b>	
i)	Whether quoted firm price valid for the entire contract period.	Yes/No
ii)	Whether the quoted price contain the following breakup price.	Yes/No
a)	Unit ex-works price.	Yes/No
b)	Unit Freight and Insurance charges, P & F Charges	Yes/No
c)	Unit GST applicable (Percentage and amount).	Yes/No
iii)	Confirm that the price quoted is after taking into account of the ITC benefit.	Yes/No
iv)	Whether the tenderer is agreeable in case of delayed delivery, the GST prevailing on the date of actual delivery or the GST applicable on the date of contractual delivery date whichever less shall only be payable.	Yes/No
v)	Confirm that Freight and Insurance charges quoted are applicable for delivery to any of the TANGEDCO stores in Tamil Nadu including the unloading by the supplier.	Yes/No
04	Whether the tenderer is agreeable for the following clauses specified under Section-V of the Specification.	

i)	Payment terms (Clause-4.0 )	Yes/No
ii)	Security Deposit (Clause-5.0 )	Yes/No
iii)	Liquidated damages (Clause-8.0)	Yes/No
iv)	Jurisdiction for legal proceedings (Clause-12.0)	Yes/No
05	Whether tenderers furnished their permanent Account Number (PAN) and GSTIN in their offer.	PAN No. GSTIN No.
06(i)	Whether the tenderer has accepted all the commercial terms of specification of TANGEDCO.	Yes/No.
(ii)	If not, give details of commercial deviation in the deviation schedule C.	

### **UNDERTAKING**

I ,                      Sole Proprietor / Partner of M/s.                      give undertaking that details given in the above QUESTIONNAIRE-B are correct to the best of my knowledge and I agree to abide by all your Tender / Order terms & conditions.

Date :

SIGNATURE OF THE TENDERER

Place :

NAME

STATUS IN THE COMPANY  
(AFFIX SEAL OF THE COMPANY)

**QUESTIONNAIRE-C****CHECK LIST FOR TECHNICAL TERMS****(TO BE KEPT IN THE ENVELOPE – A “COMMERCIAL AND TECHNICAL  
BID”)**

S.No.	Particulars	Bidder's Response.
01(i)	Whether the equipment / material offered is exactly as per technical specification of TANGEDCO.	Yes/No.
(ii)	If not, give details of technical deviation in the deviation schedule B.	

**UNDERTAKING**

I ,                      Sole Proprietor / Partner of M/s.                      give undertaking that details given in the above QUESTIONNAIRE-C are correct to the best of my knowledge and I agree to abide by all your Tender / Order terms & conditions.

Date :

SIGNATURE OF THE TENDERER

Place :

NAME

STATUS IN THE COMPANY  
(AFFIX SEAL OF THE COMPANY)

**ANNEXURE - I****SPECIFICATION NO.HE -2423**

GUARANTEE IN RESPECT OF SECURITY DEPOSIT PAYABLE BY THE TENDERER  
STAMP PAPER VALUE RS.100/-

**THIS DEED OF GUARANTEE MADE AT CHENNAI** this . . . . . day of . . . Two thousand and ..... between the. . . . . (hereinafter called "The Bank") of the one part and the Tamil Nadu Generation and Distribution Corporation Limited, a body corporate incorporated under Companies Act, 1956, having its registered office at 144, Anna Salai, NPKRR Maaligai, Chennai – 600002 (hereinafter called the Purchaser) of the other part:

WHEREAS . . . . . (hereinafter called "the Contractor") have by virtue of the contract entered into with the Purchaser as per WCT No. . . . . agreed with the Purchaser to supply . . . . in accordance with the terms and conditions contained therein:

AND WHEREAS the Purchaser in his WCT No. . . . has directed the Contractor to pay a sum of Rs. . . . /- (Rupees . . . . . only) as Security Deposit cum performance Guarantee.

AND WHEREAS the contractor has requested the Purchaser to accept the Bank guarantee in lieu of Security Deposit cum performance Guarantee in cash:

AND WHEREAS the Purchaser has agreed to accept the Bank Guarantee from a Scheduled Bank towards Security Deposit cum performance Guarantee for a sum equivalent to 5% (Five percent) of the value of the contract for the satisfactory performance of the contract:

AND WHEREAS the Bank has, at the request of the Contractor, agreed to Guarantee the payment of the said sum in case the contract is not performed in accordance with the specifications indicated in the terms and conditions contained in WCT. No. . . . .

**NOW THE DEED WITNESSESS AS FOLLOWS:-**

1) IN consideration of the Purchaser having agreed to accept a Bank Guarantee from a scheduled Bank towards Security Deposit cum performance Guarantee for a sum equivalent to Rs. . . . . /- (Rupees . . . . . only), the Bank do hereby guarantees that if the Contractor fails to perform the contract in accordance with the specification and conditions of the contract as subsequently amended, the Bank shall pay forthwith to the purchaser such amount or amounts as per Bank may be called upon to pay by the Purchaser:

PROVIDED that the liability of the Bank under this Deed shall not at any time exceed the said Guaranteed amount of Rs.. . . . /- (Rupees . . . . . only).

PROVIDED further that the Guarantee hereunder furnished shall be released as soon as the contractor has performed his part of the contract in accordance with the terms of the contract and a certificate to that effect is issued by the purchaser;

2) The Bank further undertakes to indemnify the purchaser against any loss or damage that may be caused or suffered by the Purchaser by reason of any breach of the terms and conditions in the said PO. . . . .

3) The Guarantee herein contained shall remain in force till the terms and conditions of the PO No. . . . have been fully and properly carried out by the said Contractor and in any case, the Guarantee shall not hold good after the . . . .

4) The Bank further agrees with the Purchaser that the purchaser shall have the fullest liberty (without the consent of the Bank and without affecting in any manner the obligations of the Bank hereunder) to vary any of the terms and conditions of the contract or to extend the time of performance of the contract by the said contractor from time to time or to postpone from time to time any of the powers exercisable by the purchaser against the said contractor and to forbear or to enforce any of the terms and condition relating to the said contract and the bank shall not be relieved of its liability by reason of any such variations or extensions being granted to the said contractor or by reason of any forbearance, act or omission on the part of the purchaser or any indulgence by the purchaser to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would but for these provisions have the effect of so relieving the Bank.

5) Any account settled between the Purchaser and the contractor shall be the conclusive evidence against the Bank for the amount due and shall not be questioned by the Bank.

6) The Expressions "Bank", "Purchaser" and "Contractor" herein before used shall include their respective successors and assigns:

Notwithstanding anything contained herein:

- i) Our liability under this Bank Guarantee shall not exceed Rs. . . . ./- (Rupees . . . . . only)
- ii) This Bank Guarantee shall be valid upto . . . . .
- iii) We are liable to pay the guaranteed 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 . . . . .

IN WITNESS WHEREOF Thiru. . . . . and on behalf of the bank has signed this Deed on the day, month and year first above written.

IN THE PRESENCE OF WITNESSES.

- 1.
- 2.



**ANNEXURE - II****SPECIFICATION NO.HE -2423****UNDERTAKING TOWARDS JURISDICTION OF LEGAL PROCEEDINGS**

***(To be furnished in non-judicial stamp paper of value not less than Rs.100/-)***

This Undertaking executed at ..... on this ..... (date) ..... Month Two Thousand .....by M/s ....., a company registered under Companies Act , 1956 having its registered office at .....hereinafter called the Contractor ( which expression shall where the context so admits mean and include its successors in office and assigns ) with the TANGEDCO, a statutory authority created under the powers vested with the Electricity Act 2003, having its registered office at 144, Anna Salai, NPKRR Maaligai, Chennai – 600002, hereinafter called the Purchaser (which expression shall where the context admits mean and include its successors in office and assigns ).

**WHEREAS** the contract is for the supply of.....in terms of the W.C.T. No. .... date .....

**AND WHEREAS** in accordance with Clause .....of the above said WCT Certain terms were stipulated for the above supply.

**AND WHEREAS** in accordance with clause ..... of the above mentioned Works Contract Order the contractor has to furnish an Undertaking that no suit or any proceedings in regard to any matter arising in any respect under this contract shall be instituted in any court other than in the City Civil Court of Chennai or other Court of small causes, at Chennai.

In consideration of the TANGEDCO having agreed to accept the Undertaking from the contractor, undertakes that no suit or proceedings in regard to any matter arising in any respect under this contract shall be instituted in any court other than in the City Civil Court of Chennai or other Court of small causes, at Chennai.

It is also agreed that no other court shall have jurisdiction to any suit or proceedings even though part of the cause of action might arise within their jurisdiction. In case any part of the action arises within the jurisdiction of any of the courts in Chennai City, then it is agreed to between the parties that such suits or proceedings shall be instituted in court within Tamil Nadu and no other court outside Tamil Nadu shall have jurisdiction even though any part of the cause might arise within the jurisdiction of such courts.

**IN WITNESS WHEREOF THIRU**..... of the contractor hereby puts his hand and seal for due observance of the Undertaking in the presence of the following witnesses.

**SIGNATURE WITH SEAL****WITNESSES:**

(Signature with Name and Address)

- 1.
- 2.

**ANNEXURE –III**  
**SPECIFICATION NO.HE -2423**

ITC Undertaking to be submitted by the L1 bidder in non-judicial stamp paper of value not less than Rs.100/-

To  
 The Chief Engineer /Hydro,  
 TANGEDCO.

We hereby declare and confirm that we are registered vendor under GST Act having GSTIN \_\_\_\_\_ in State of \_\_\_\_\_. Our applicable GST% for the above reference job is \_\_\_\_\_ under code \_\_\_\_\_.

We hereby declare and confirm that we are registered vendor under composite scheme having GSTIN \_\_\_\_\_.

We are aware that as per sec 171 of CGST Act (ie. ITC benefit), any reduction in rate of tax on any supply of goods or services or the benefit of input tax credit should be passed on to TANGEDCO by way of commensurate reduction in prices and as such we hereby declare that we are extending Rs. \_\_\_\_\_ /- of \_\_\_\_\_ % as rebate in my quoted price against input tax credit benefit.

We hereby declare that we do not have any input tax credit benefit on account of GST applicable against this job. If it is established that we have availed input tax credit benefit against this job, the differential tax benefit will be returned to TANGEDCO failing which TANGEDCO may take appropriate action.

Signature of bidder with Company Seal.

Note:

Bidder may strike out the para not applicable

**ANNEXURE - IV****SPECIFICATION NO.HE -2423****UNDERTAKING FOR PAYMENT OF DUES TO TANGEDCO**

***(To be furnished in non-judicial stamp paper of value not less than Rs.100/-)***

THIS DEED OF UNDERTAKING executed at . . . . .on this the . . . . . day of  
Two thousand and -----

THE ----- By messers.

Hereinafter called the "TENDERER" (which expression where the context so admits mean and include their agents, Representatives, Successors- in – office and Assigns).

**TO AND IN FAVOUR OF**

The TANGEDCO is a company registered under companies Act, 1956 having its office at NPKRR Maaligai, 144, Anna salai, Electricity Avenue, Chennai- 600 002, hereinafter called the "Corporation" (which expression shall where the context so admits mean and include the successors- in- office and assigns).

WHEREAS the corporation has called for an undertaking from the Tenderer empowering the Corporation to recover the dues if any.

NOW THIS UNDERTAKING WITNESSETH the corporation is empowered to recover any dues against this contract in any bills/security deposit/E.M.D due to the Tenderer either in this contract or any other contracts with the Corporation. Further, the Tenderer hereby authorises the Corporation to recovery, any dues against any other contract of the Tenderer with the Corporation with the available amount due to the Tenderer against this contract.

IN WITNESS WHERE OF Thiru. acting for and on behalf of the  
Tenderer has signed this deed on the day, month and year herein before first mentioned.

- COMPANY SEAL-

SIGNATURE OF THE TENDERER

NAME :

DESIGNATION:

**ANNEXURE-V****DRAFT UNDERTAKING**

**(The undertaking should be submitted by the contractors in 100 rupees stamp paper for the respective works while claiming the part/final bills)**

Nature of the Work:

Order No. :

1. I/We hereby state that the EPF & ESI employee and employer contribution has been remitted for all the workers engaged for execution of the respective contracts.
2. I/We hereby state that there are no EPF & ESI dues to be remitted in respect of the period of execution of the respective contracts and in case, if there is any shortfall of discharging the EPF & ESI obligations on our part(contractor) at later date, TANGEDCO shall not be responsible for the consequent Legal/Financial obligations.

Authorised Signatory  
(Contractor)  
With Seal

Date :

Place :

**ANNEXURE - VI**  
**SPECIFICATION NO.HE -2423**

**INDEMNITY BOND**

(For Owner supplied Equipments / Materials)

(On Non-Judicial Stamp Paper of appropriate value)

THE DEED OF INDEMNITY EXECUTED at ..... on this day of  
 Two thousand and Twenty two by a Registered Partnership Firm having its Registered  
 Office.....

Hereinafter called the Contractor (which expression shall where the context so admits  
 mean and include the Partners Agents, Legal Heirs, Executors, Administrators,  
 Successors and Assigns)

TO AND IN FAVOUR OF THE TAMIL NADU GENERATION & DISTRIBUTION  
 CORPORATION LIMITED a body Corporate incorporated under Companies Act 1956,  
 having its Office at NPKRR MAALIGAI / ELECTRICITY AVENUE, 144, ANNA SALAI,  
 CHENNAI – 600 002 represented by its Superintending Engineer/Kadamparai GC,  
 hereinafter called the TANGEDCO (which expression shall where the context to admits  
 mean and include its successors in office and assigns).

WHEREAS, in accordance of the Works Contract Order No.....  
 the contractor has to furnish an Indemnity Bond to the value of Rs. 3 Crores (Rupees  
 Three Crores only) for safe custody of 1No.Turbine shaft and 1 No. Runner, Guide  
 vanes -24 Nos, and Wear rings for top and bottom cover of 100MW Unit-1 available  
 at Kadamparai Power house, at their works by the contractor for any  
 rectification/refurbishment.

AND WHEREAS in consideration of the above agreement, the contractor has  
 agreed to Indemnify the TANGEDCO and to make good any loss, costs, damages and  
 expenses which the TANGEDCO may incur and to make good any sum that may be  
 found to be and become payable to the TANGEDCO in case the 1No.Turbine shaft and  
 1 No. Runner, Guide vanes -24 Nos, and Wear rings for top and bottom cover of  
 100MW Unit-1 available at Kadamparai Power house not returned by the contractor  
 duly reconditioned/rectified in terms of the said contract.

NOW THIS BOND OF INDEMNITY WITNESSES that in pursuance of the said  
 agreement, the contractor hereby both convenient with the TANGEDCO that in  
 pursuance of the said agreement the contractor has agreed to Indemnify the  
 TANGEDCO against any damage to the .....of the TANGEDCO and  
 to pay immediately a sum of Rs.3 Crores (Rupees Three Crores only) being the value  
 of the ..... without any demur to the TANGEDCO and to  
 make good any loss, acts damages and expenses with the TANGEDCO may incur and  
 to make good any sum that may be found to be and become payable to the  
 TANGEDCO by the contractor in case the aforesaid contract is not completed in  
 accordance with the terms of the said contract.

NOW THE CONDITIONS OF THE ABOVE WRITTEN Bond such that if the  
 contractor shall duly and faithfully observed and perform the terms and conditions  
 contained in the contract, then the above written bond shall be void, otherwise the  
 same shall remain in full force.

IN WITNESS WHEREOF Thiru..... acting  
 for and on behalf of the contractor has signed this deed on the day, month and year  
 herein first mentioned.

**SIGNED & DELIVERED ON BEHALF  
OF THE CONTRACATOR.**

IN THE PRESENCE OF WITNESSES:

1)

2)

**ACCEPTED FOR AND ON BEHALF OF THE TANGEDCO IN THE PRESENCE OF  
WITNESSESS:**

1)

2)

\* Indemnity Bonds are to be executed by the authorised Persons and (i) in case of Contracting Company under common seal of the Company or (ii) having the Power of Attorney issued under common seal of the Company with authority to execute Indemnity Bonds, (iii) In case of (ii), the original Power of Attorney if it is specifically for this Contract or Photostat copy of the Power of Attorney if it is General Power of Attorney and such Documents should be attached to Indemnity Bond.

**ANNEXURE - VII**  
**SPECIFICATION NO.HE -2423**  
**GUARANTEE CERTIFICATE**

We the undersigned M/S ..... hereby guarantee the satisfactory operation and good workmanship at least for a period of 12 (Twelve) months from the date of commissioning or 18 (Eighteen) months from the date of receipt of the materials in good condition at TANGEDCO's stores/site whichever is later subject to overall period of 24 months from the date of receipt of the materials in good condition at TANGEDCO's stores/site for the materials/equipments supplied vide .....

Any defects noticed during this period shall be rectified free of cost to the TANGEDCO within 2 (Two) months from the intimation of defect/failure. Irrespective of number of failures and repairs, we are responsible for free replacement of the defective materials till the completion of guarantee period. If they are not rectified or replaced within this period we shall pay Liquidated Damages as per Liquidated Damages clause in the contract for the delay from the date of receipt of intimation for the defects or failures. The incidental expenses, insurance and freight charges for the replacement of defective materials within the guarantee period shall also be borne by us till the completion of guarantee period.

The guarantee among other things are the following:

- a. Quality and strength of the materials used.
- b. Satisfactory operation of the equipment.
- c. Safe stresses in all parts under all conditions of operations.
- d. Protection of equipments against vibration and corrosion.
- e. Workmanship
- f. Replacement of parts which become defective under proper use
- g. Performance figures given in the schedule of guaranteed technical particulars

Place:

Date :

SIGNATURE WITH SEAL