***ASSAM ELECTRICITY GRID CORPORATION LIMITED***

*OFFICE OF THE DEPUTY GENERAL MANAGER*

*T&T CIRCLE, JORHAT.*

**

**TENDER DOCUMENT**

**NOTICE INVITING TENDER NO: AEGCL/DGM/TTC/JRT/O&M/33CT/T-31/2025/450 Dated: 29.07.2025**

**Name of work**

Supply of 16 nos. of 33KV Feeder CT and 08 nos. of 33kV Transformer CT for Mariani Division, Nazira Division and T&T Division, Golaghat under T&T Circle Jorhat.

Tender cost amounting to

Deposited in the form of …………………..

Vide ………………….

Issued to …………………..

Address ………………….

Signature of Contractor/Firm

Deputy General Manager

T&T Circle, AEGCL,

Garmur,Jorhat-07

Tender fee: Rs. 1000.00

EMD: Rs**. 40,000**.**00**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **INFORMATION TO BIDDER:** | | |
|  |  | NAME OF WORK: Supply of 16 nos. of 33KV Feeder CT and 08 nos. of 33kV Transformer CT for Mariani Division, Nazira Division and T&T Division, Golaghat under T&T Circle Jorhat. | | |
|  |  | **LOCATION OF WORK:- 220kV Mariani GSS, 132kV Nazira GSs and T&T Division, Golaghat.** | | |
|  |  | **TENDER ADDRESS**:- **OFFICE OF THE DGM, T&T Circle, AEGCL, Garmur, Jorhat-07.**  **ESTIMATED VALUE FOR THE WORK**:-**Rs. 19,82,400.00 (Rupees Nineteen Lakhs Eighty Two Thousand Four Hundred )only including taxes.**  **Fund: O&M HQ (UAR) for FY 2025-26.** | | |
|  |  | **,** | | |
|  |  | **BIDDING PROCEDURE**:-  For & on behalf of the **Managing Director, AEGCL, the Deputy General Manager, T&T Circle, AEGCL, Garmur, Jorhat-07** invites tenders in prescribed form, from reputed Firms/Contractors/Manufacturers with sound technical and financial capabilities for the above mentioned work. A single stage two envelope procedure (**Techno-Commercial and Price Bid**) will be adopted for this tender | | |
|  |  | **KEY DATES**:- | | |
|  |  | Bid Submission Start Time & date:- | 12.00 Hrs. of 30/07/2025 |  |
|  |  | Bid Submission End Time & date:- | 14.00 Hrs. of 19/08/2025 |  |
|  |  | Techno-Commercial Bid Opening Time &date:- | 14.30Hrs. of 20/08/2025 |  |
|  |  | **TENDER PAPER COST AND MODE OF PAYMENT:-** | | |
|  |  | The Bidder shall bear all costs associated with the preparation and submission of its Bid, AEGCL shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.  Bidder must pay Non-Refundable tender document cost of **Rs.1000.00 (Rupees One Thousand) only in the form of A/C payee Demand draft (Non-refundable) pledged in favour of MD, AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, payable at Guwahati** | | |
|  |  | **BID SECURITY/EARNEST MONEY AND MODE OF PAYMENT:-** | | |
|  |  | For participation in bidding procedure, participants must compulsorily pay the Bid Security of **Rs. 40,000.00 (Rupees Forty Thousand )** only in the form of Bank Guarantee/Demand Draft from any Nationalized Bank payable at Guwahati in favour of **MD**,**AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-01.** | | |
|  |  | The bid security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required performance security. | | |
|  |  | The bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder’s furnishing of the performance security. | | |
|  |  | The bid security may be forfeited: - | | |
|  |  | If a Bidder withdraws its bid during the period of bid validity period. | | |
|  |  | If the successful Bidder fails to sign the Contract within the specified period. | | |
|  |  | If the successful Bidder fails to furnish a performance security within 15 (Fifteen) days’ time of issue of LOA/NOA. | | |
|  |  | **VALIDITY OF BID:-** | | |
|  |  | Bid shall remain valid for the period of 180 days after the submission deadline date prescribed by AEGCL. In exceptional circumstances, prior to the expiration of the Bid validity period, AEGCL may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. | | |
|  |  | **TIME OF COMPLETION:-** | | |
|  |  | The allotted time of completion for the work is 160 days from the issue of work order. | | |
|  |  | **DISCLAIMER:-** | | |
|  |  | AEGCL is not committed contractually in any way to those Bidders whose Bid are accepted. The issue of this Bid does not commit or otherwise oblige AEGCL to proceed with any part or steps of the process. | | |
|  |  | **LANGUAGE OF BID:-** | | |
|  |  | The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and AEGCL, shall be written in the English and / or Assamese language. | | |
|  |  | **NEGOTIATION WITH BIDDER:-** | | |
|  |  | The AEGCL reserve the right to hold negotiations with lowest bidder if AEGCL feels the quoted rates of particular item(s) are unreasonably high. The bid must be valid, eligible and technically acceptable and considered for award of contract. | | |
|  |  | **VERIFICATION OF DOCUMENTS:-** | | |
|  |  | AEGCL reserves the right to verify the documents submitted by the bidders with issuing authority and if any abnormalities are observed in the same, their bids will be rejected. | | |
|  |  | **RIGHT TO REJECT:-** | | |
|  |  | AEGCL reserves the right to reject any or all the bids without assigning any reason thereof and AEGCL further reserves the right to split up the work order in favour of more than one Contractor. AEGCL also reserves the right to reject the lowest or any other price without assigning any reason. The clauses which are not appearing in this Bid document will be as per The General Condition of Supply and Erection 2009 of AEGCL. The General Condition of Supply and Erection 2009 of AEGCL is available in the AEGCL’s website [www.aegcl.co.in](http://www.aegcl.co.in). | | |
|  |  | **ELIGIBILITY QUALIFICATION.** | | |
|  |  | **ELIGIBLE BIDDERS:-** | | |
|  |  | A Bidder may be a private entity or a government-owned entity or any combination of such entity with the intent to enter into an agreement supported by a letter of intent or under an existing agreement in the form of a joint venture, consortium or association. | | |
|  |  | A Bidder, and all partners constituting the Bidder, shall have Indian nationality. | | |
|  |  | **EVALUATION CRITERIA:** | | |
|  |  | The Techno-Commercial Evaluation will be done on the basis of technical qualification, Financial qualifications and fulfilment of the legal conditions. | | |
|  |  | The Price Bid of only Responsive Techno-Commercial Bidders will be opened and intimation will be issued in due course. | | |
|  |  | **TECHNICAL QUALIFICATION:** | | |
|  |  | In order to qualify technically for this Bid, the bidders have to furnish experience of work executed in 33 KV level and above within the last 7 years at any Govt. Deptt., PSU etc. conforming to **either of** the following requirements:   |  |  |  | | --- | --- | --- | | **Sl. No** | **Description** | **Amount not less than (Rs)** | | 1 | 3 (three) similar completed works | Rs. 6,00,000.00 | | 2 | 2 (two) similar completed works | Rs. 9,00,000.00 | | 3 | 1 (one) similar completed work | Rs. 17,00,000.00 | | | |
|  |  | **FINANCIAL QUALIFICATION:-** | | |
|  |  | Minimum average annual turnover of **30%(Rs.** 5,94,720.00**)** only calculated as total certified payments received for contracts in progress or completed, within the last 3 (Three) Years, ending 31st March of the previous financial year. Certified Balance sheet must be furnished as a proof of annual turnover. | | |
|  |  | Current bank solvency certificate must be submitted to show the bidder’s financial position. | | |
|  |  | The contractor shall make good at his own cost and to the satisfaction of AEGCL all defects, or other faults which may appear during the defect liability period.  In default, AEGCL may employ and pay other agency or persons to amend and make good such damages. Losses and expenses consequent thereon or incidental thereto shall be made good and borne by the contractor, failing which the same shall be recoverable from the payment due to the contractor and performance guarantee. In the event of amount due and performance guarantee being insufficient, the balance amount will be recovered from the contractor from the amount due or retained for other works executed in AEGCL. | | |
|  |  | **ACCEPTANCE OF BID AND CONTRACT AGREEMENT:-** | | |
|  |  | An agreement shall have to be drawn on non-judicial stamp of appropriate value with AEGCL by the selected Contractor in AEGCL’s General Conditions of Supply and Erection 2009 of contract within 10 (ten) days from the date of issue of the LOI.  Wherever there is any variation in between the conditions of AEGCL’s General Conditions of Supply and Erection 2009 and the above terms & conditions, this bid conditions will supersede the conditions of AEGCL’s General Conditions of Supply and Erection 2009. | | |
|  |  | **PAYMENT TERMS:-** | | |
|  |  | No advance/Mobilization advance shall be made in this contract. | | |
|  |  | No claim for interest shall be entertained by AEGCL. | | |
|  |  | Final bill must contain the original site register. | | |
|  |  | Final payment shall be released to the contractor only after completion of the work in all respect and final acceptance by AEGCL. | | |
|  |  | Payment is subject to availability of specific fund. | | |
|  |  | The Bidder / Firm will have to be submitted the following Net Banking details.   * Banker’s Name & Branch * Account No * Banker’s address * Banker’s IFSC Code * Banker’s RTGS Code | | |
|  |  |  | | |
|  |  |  | | |
|  |  | **WARRANTY:-** | | |
|  |  | The term period of warranty by the Supplier and Manufacturer shall be for a period of 18 months from the date of supply of the equipments or 12 month from the date of installation of the equipments, whichever is earlier.  The successful Bidder, to whom the work is awarded, shall be required to furnish a Manufacturer’s Authorization, in the form attached with the Bidding Document in favour of the AEGCL. | | |
|  |  | **EXTENSION OF TIME:-** | | |
|  |  | Time is the essence of the contract. No extension of time shall normally be allowed except on valid and genuine ground.  **PERFORMANCESECURITY(Contract Performance Guarantee)**   * 1. As a Contract Performance Security, the successful Bidder, to whom the work is awarded, shall be required to furnish a Performance Guarantee from a Nationalized Bank, in the form attached with the Bidding Document(Appendix-4)infavourof the AEGCL. The guarantee amount shall be equal to ten percent (10%) of the Contract Price and it shall guarantee the faithful performance of the contract in accordance with the terms and conditions specified in these documents and specifications. The guarantee shall be valid upto 90(ninety) days after the end of Warranty Period.   2. In case the bidder fails to submit the Performance Security in the form of Bank Guarantee, an amount equivalent to 10% of the Contract Price shall be retained as Security Deposits which shall be retained up to 90 (ninety) days after the end of Warranty Period.   3. The performance guarantee shall cover additionally the following guarantees to the owner:   4. The successful Bidder guarantees the successful and satisfactory operation of the equipment furnished and erected under the contract, as per the specifications and documents.   5. The successful Bidder further guarantees that the equipment/material provided and installed by him shall be free from all defects in design, material and workmanship and shall upon written notice from the Owner fully remedy.   6. The Contract performance Guarantee will be returned to the Contractor without any interest at the end of warranty period and written request from the contractor. | | |
|  |  | **CONTRACTUAL FAILURE, LIQUIDATED DAMAGE AND PENALTY:-** | | |
|  |  | Liquidity Damages 1.0% (one percent) of the amount of delayed work per week subjected to the maximum 10 % of the contract value. | | |
|  |  | **TERMINATION OF CONTRACT:-** | | |
|  |  | If the performance of the contract is not satisfactory and not corrected within 15 days of receiving notice, then employer shall be at liberty to terminate the contract and get the work executed through other means at the risk and cost of the Contractor. | | |
|  |  | **FORCE MAJEURE CONDITION** | | |
|  |  | Force Majeure condition shall be considered as any circumstances beyond reasonable control of the party claiming relief, including but not limited to strikes, lockout, civil commotion, riot insurrection, hostilities, mobilization, war, fire, flood, earthquake, malicious damage or accidents could entitle contractor to extension time. Any such delay should intimated within 10 (ten) days from the beginning of such delay to consider/approved, any claim without prior information may not be considered under force Majeure. | | |
|  |  | **SETTLEMENT OF DISPUTE AND ARBITRATION:-** | | |
|  |  | Any dispute arising out of the contract will be first settled bilaterally between AEGCL and Contractor. In case, dispute cannot be settled bilaterally, it will be referred to arbitration. The contractor shall not stop the work during settlement of any dispute. All disputes shall be subjected to the jurisdiction of District Court of respective District of work. | | |
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|  |  |  | | |

**15: TECHNICAL SPECIFICATION FOR 33KV CURRENT TRANSFORMERS (AIS)**

**15.1.0. SCOPE OF CONTRACT**

15.1.1. This Section of the Specification covers general requirements for design, engineering, manufacture, assembly and testing at manufacturer’s works of 33 kV outdoor Current and Potential Transformers.

**15.2.0. STANDARDS**

15.2.1.The equipment covered by this specification shall, unless otherwise stated be designed, constructed and tested in accordance with the latest revisions of relevant Indian Standards and shall conform to the regulations of local statutory authorities.

15.2.2.In case of any conflict between the Standards and this specification, this specification shall govern.

15.2.3.The current transformer shall comply also with the latest issue of the following Indian standard.

|  |  |  |
| --- | --- | --- |
| (i) | IS: 2705(Part-I) | Current transformers: General requirement. |
| (ii) | IS: 2705(Part-II) | Current transformers: Measuring Current transformers |
| (iii) | IS: 2705(Part-III) | Current transformers: Protective Current transformers |
| (iv) | IS: 2705(Part-IV) | Current transformers: Protective Current transformers for special purpose application. |

**15.3.0GENERAL REQUIREMENTS**

15.3.1.The cores of the instrument transformers shall be of high grade, non-aging CRC steel of low hysteresis loss and high permeability.

15.3.2.Current transformers shall be of Live Tank design.

15.3.3.The instrument transformers shall be truly hermetically sealed to completely prevent the oil inside the tank coming into contact with the outside temperature. To take care of oil volume variation the tenderer are requested to quote the current transformers with stainless steel diaphragm (bellow).

15.3.4.The instrument transformers shall be completely filled with oil.

15.3.5.A complete leak proof secondary terminal arrangement shall be provided with each instrument transformers, secondary terminal shall be brought into weather, dust and vermin proof terminal box. Secondary terminal boxes shall be provided with facilities for easy earthing, shorting, insulating and testing of secondary circuits. The terminal boxes shall be suitable for connection of control cable gland.IP rating of terminal box shall be IP 55. Spare terminals shall be provided. The exterior of the secondary terminal box shall be hot dipped galvanized.

15.3.6.All instrument transformers shall be of single-phase unit.

15.3.7.The instrument transformers shall be so designed to withstand the effects of temperature, wind load, short circuit conditions and other adverse conditions.

15.3.8.All similar parts, particularly removable ones, shall be interchangeable with one another.

15.3.9.All cable ferrules, lugs, tags, etc. required for identification and cabling shall be supplied complete for speedy erection and commissioning as per approved schematics.

15.3.10The instrument transformers shall be designed to ensure that condensation of moisture is controlled by proper selection of organic insulating materials having low moisture absorbing characteristics.

15.3.11.All steel work shall be degreased, pickled and phosphated and then applied with two coats of Zinc Chromate primer and two coats of finishing synthetic enamel paint.

**15.4.0. INSULATING OIL**

15.4.1. The quantity of insulating oil for instrument transformers and complete specification of oil shall be stated in the tender. The insulating oil shall conform to the requirement of latest edition of IS: 335

**15.5.0.COMMON MARSHALLING BOXES (shall be supplied by CT manufacturer)**

15.5.1.The outdoor type common marshalling boxes shall conform to the latest edition of IS 5039 and other general requirements specified hereunder.

15.5.2The common marshalling boxes shall be suitable for mounting on the steel mounting structures of the instrument transformers.

15.5.3.One common marshalling box shall be supplied with each set of instrument transformers. The marshalling box shall be made of sheet steel and weather-proof. The thickness of sheet steel used shall be not less than 3.0 mm. It is intended to bring all the secondary terminals to the common marshalling. The marshalling box shall be of hot dipped galvanized steel.

15.5.4.The enclosures of the common marshalling boxes shall provide a degree of protection of not less than IP 55 (As per IS 2147).

15.5.6.The common marshalling boxes shall be provided with double hinged front doors with pad locking arrangement. All doors and removable covers and plates shall be sealed all around with neoprene gaskets or better arrangement.

15.5.7.Each marshalling box shall be fitted with terminal blocks made out of moulded non-inflammable plastic materials and having adequate number of terminals with binding screws washers etc. Secondary terminals of the instrument transformers shall be connected to the respective common marshalling boxes. All out going terminals of each instrument transformer shall terminate on the terminal blocks of the common marshalling boxes. The terminal blocks shall be arranged to provide maximum accessibility to all conductor terminals.

15.5.8.Each terminal shall be suitably marked with identification numbers. Not more than two wires shall be connected to any one terminal. At least 20 % spare terminals shall be provided over and above the required number.

15.5.9.All terminal strips shall be of isolating type terminals and they will be of minimum 10 A continuous current rating.

15.5.10.All cable entries shall be from bottom. Suitable removable gland plate shall be provided on the box for this purpose. Necessary number of cable glands shall be supplied fitted on to this gland plate. Cable glands shall be screw on type and made of brass.

15.5.11.Each common marshalling box shall be provided with two numbers of earthing terminals of galvanised bolt and nut type.

15.5.12.All steel, inside and outside work shall be degreased, pickled and phosphated and then applied with two coats of Zinc Chromate primer and two coats of finishing synthetic enamel paint. The colour of finishing paint shall be as follows: -

i) Inside: Glossy White

ii) Outside: Light Grey (Shade No. 697 of IS: 5)

**15.6.0. BUSHINGS AND INSULATORS**

15.6.1.Bushings and Insulators shall be of Porcelain, Solid core type. Porcelain used for the manufacture of bushings and insulators shall be homogeneous, free from defects, cavities and other flaws or imperfections that might affect the mechanical or dielectric quality and shall be thoroughly vitrified, tough and impervious to moisture.

15.6.2.Glazing of the porcelain shall be of uniform brown colour, free from blisters, burns and other similar defects. Bushings shall be designed to have sufficient mechanical strength and rigidity for the conditions under which they will be used. All bushings of identical ratings shall be interchangeable.

15.6.3.Puncture strength of bushings shall be greater than the dry flashover value. When operating at normal voltage, there shall be no electric discharge between the conductors and bushing which would cause corrosion or injury to conductors, insulators or supports by the formation of substances produced by chemical action. No radio interference shall be caused by the bushings when operating at the normal rated voltage.

15.6.4.The design of bushing shall be such that the complete bushing is a self-contained unit and no audible discharge shall be detected at a voltage up to a working voltage (Phase Voltage) plus 10%. The minimum creepage distance for severely polluted atmosphere shall be 31 mm/KV.

15.6.5. Sharp contours in conducting parts should be avoided for breakdown of insulation. **The insulators shall be capable to withstand the seismic acceleration of 0.5 g in horizontal direction and 0.6g in vertical direction.**

15.6.6. Bushings shall satisfactorily withstand the insulation level specified in data sheet.

15.6.7. Rain shed/drain cover/dome shall be present in CT.

15.6.8. Bellow level indicator shall be present in CT.

**15.6.9. Nitrite butyl rubber/Neoprene gaskets shall be used.**

**15.7.0. TESTS**

**15.7.1. Routine/Acceptance Tests (all units)**

All routine tests shall be carried out in accordance with relevant Standards. All routine/acceptance tests shall be witnessed by the Employer/his authorised representative.

**15.7.2. Type Tests:** The bidder shall furnish type test certificates and results for the all tests as per relevant Standards along with the bid for current and potential transformers of identical design.

Type test certificates so furnished shall not be older than 5 (five) years as on date of Bid opening.

**QAP:** QAP shall be submitted.

***15.7.3. At factory/works tests the Ten Delta shall not exceed 0.3% (at Um/√3). The same shall not exceed 0.7% at the end of warranty period. If tan delta value of CTs exceed prescribed limit of 0.7% within warranty period, it will be considered as failure within warranty period (Tan delta & capacitance test of CTs shall be measured at 10KV at site). The bidder has to replenish failed CTs within guarantee period without any cost implication to AEGCL.***

**15.8.0. NAME PLATES**

15.8.1. All equipment shall have non-corrosive name plates fix at a suitable position indelibly mark with full particular there on in accordance with the standard adapted. Thickness(1mm), purchase order, project name, serial no etc. shall be present in the Name plate.

**15.8.2.MOUNTING STRUCTURES**

15.8.3.All the equipment covered under this specification shall be suitable for mounting on steel structures. Supply of mounting structures is also in the scope of this tender.

15.8.4.Each equipment shall be furnished complete with base plates, clamps, and washers etc. and other hardware ready for mounting on steel structures.

**15.9.0. SAFETY EARTHING**

15.9.1. The non-current carrying metallic parts and equipment shall be connected to station earthing grid. For these two terminals suitable for 65mm X 12mm GS strip shall be provided on each equipment.

**15.10.0. TERMINAL CONNECTORS(Shall be under manufacturer scope)**

15.10.1.The equipment shall be supplied with required number of terminal connectors of approved type suitable for ACSR. The type of terminal connector, size of connector, material, and type of installation shall be approved by the Employer, as per installation requirement while approving the equipment drawings.No part of a clamp shall be less than 12mm. thick.

**15.11.0. PRE-COMMISSIONING TESTS**

15.11.1. Contractor shall carry out following tests as pre-commissioning tests. Contractor shall also perform any additional test based on specialties of the items as per the field instructions of the equipment Supplier or Employer without any extra cost to the Employer. The Contractor shall arrange all instruments required for conducting these tests along with calibration certificates and shall furnish the list of instruments to the Employer for approval.

1. **Current Transformers**
2. Insulation Resistance Test for primary and secondary.
3. Polarity test.
4. Ratio identification test - checking of all ratios on all cores by primary injection of current.
5. Dielectric test of oil (wherever applicable).
6. Magnetizing characteristics test.
7. Tan delta and capacitance measurement
8. Secondary winding resistance measurement
9. Contact resistance measurement (wherever possible/accessible).

**15.12.0. TECHNICAL DATA SHEET FOR CURRENT**

15.12.1. For 36 kV CT the instrument security factor at all ratios shall be less than five (5) for metering core. If any auxiliary CTs/reactor are used in the current transformers then all parameters specified shall have to be met treating auxiliary CTs as an integral part of the current transformer. The auxiliary CTs/reactor shall preferably be inbuilt construction of the CTs. In case these are to be mounted separately these shall be mounted in the central marshalling box suitably wired upto the terminal blocks.

**15.12.2. TYPE AND RATING:**

All instrument transformer shall be outdoor type, single phase, oil immersed, self-cooled suitable for mounting on steel structure. The instrument transformer shall have the following ratings and particulars.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SL**  **No.** | **A.    Item** | **Ratings and Particulars** | | |
| **I** | **II** | **III** |  |
| A | Nominal system voltage | 33 kV | | |
| B | Highest system voltage, kV | 36 | | |
| C | Rated frequency, HZ | 50 | | |
| D | System earthing | Solidly earth | | |
| E | Insulation level |  |  |
| a) | Impulse withstand voltage: kV p | 170 | | |
| b) | One-minute p.f. Withstand voltage, kV (r.m.s.) |  |  |
| 70 | | |
| F | Short time current for 3 seconds, kA | 31.5 | | |
| G | Minimum creep age distance, mm | 1116 | | |
| H | Temperature rise | As per ISS | | |
|  | **C.T.** | | | |
| **I** |
|  | (i) No. of Cores | 4 |  |
|  | (ii) Transformation ratio | **Feeder CT- : 400-200/1-1**  **Transformer CT : 1200-600--/1-1-1-1** |
|  |  |  |
|  | (iii) Rated out put |  |  |
|  | (a) Core-1 | 30 VA |  |
| (b) Core-2 | 30 VA |  |
|  | (c) Core-3, Core-4 | - |  |
|  | (iv) Accuracy class |  |  |
|  | (a) Core-1 | 0.2S |  |
|  | (b) Core-2 | 5P |  |
|  | (c) Core-3, core-4 | PX |  |
|  | (v) Accuracy limit factor |  |  |
|  | (a) Core-1 | - |  |
|  | (b) Core-2 | 20 |  |
|  | (c) Core-3, core-4 | - |  |
|  | (vi) Instrument security factor |  |  |
|  | (a) Core-1 | <5 |  |
|  | (b) Core-2 | - |  |
|  | (c) Core-3, core-4 | - |  |
|  | (vii) Minimum Knee point voltage, Volts |  |  |
|  | (a) Core-1 | - |  |
|  | (b) Core-2 | - |  |
|  | (c) Core-3, core-4 | - |  |
|  | (viii) Maximum secondary resistance, ohm |  |  |
|  | (a) Core-1 | - |  |
|  | (b) Core-2 | - |  |
|  | (c) Core-3, core-4 | - |  |
|  | (ix) Maximum exciting current, at Vk/4 mA |  |  |
|  | (a) Core-1 | - |  |
|  | (b) Core-2 | - |  |
|  | (c) Core-3, core-4 | - |  |

Note:

1. It is intended to use different ratios of the same CT at the same time for various protections and metering cores. The CTS should therefore be suitable for the above purpose by secondary tapings only. The ratio change by secondary taps is acceptable as long as the required CT specifications are achieved at all ratios.
2. The knee point voltage specified above shall be at higher ratio/ taps.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PRICE BID**  **PRICE SCHEDULE**  ***(To be submitted in the Part-II, ‘Price bid’ in sealed envelope)*** | | | | | |
|  | | | | | |
| **SL. No.** | **Name of the Item** | **Unit** | **Qtty.** | **Rate(in Rs.)** | **Amount(in Rs.)** |
| 1 | **33kV Current Transformer** | | | | |
| 1.1 | 33kV feeder CT (Ratio 400-200/1-1) with all fittings and accessories including terminal connectors. | Nos. | 16 |  |  |
| 1.2 | 33kV Transformer CT (Ratio 1200-600/1-1-1-1)with all fittings and accessories including terminal connectors. | Nos. | 08 |  |  |
| 2 | **F&I** |  |  |  |  |
| 2.1 | 33kV feeder CT (Ratio 400-200/1-1) with all fittings and accessories including terminal connectors. | Nos. | 16 |  |  |
| 2.2 | 33kV Transformer CT (Ratio 1200-600/1-1-1-1)with all fittings and accessories including terminal connectors. | Nos. | 08 |  |  |
| **A.** | **Total (in Rs.)=** | | | |  |
| B. | GST @ 18% = | | | |  |
| **C.** | **Grand Total (in Rs.)=** | | | |  |

Appendix-1

**Documents to be submitted:**

* 1. PAN card
  2. Up-to-date GST return.
  3. IT return (last 3 years).
  4. Audited balance sheet of last 3 years (CA certified).
  5. Supervisor license (if any).
  6. Experience of the organisation.
  7. Annual Turnover as per format.
  8. ID proof.
  9. Contractor License.
  10. Solvency certificate.
  11. Bank Guarantee.
  12. Manufacturer’s authorization.
  13. Manufacturer’s warranty & Supplier’s warranty.

***Appendix-2***

**COVERING LETTER (ON THE BIDDERS LETTER HEAD)**

To,

The Dy. General Manager,

T&T Circle, AEGCL,

Garmur, Jorhat-07

Sub: Submission of Tender.

Ref: -

1. NIT No:
2. Name of work:-

Sir,

Having examined the terms & conditions, technical specifications, detailed items of work etc. as well as acquainting myself/ourselves with site of work, surroundings to get the required materials etc. I am/we are to submit herewith my/our tender for the above mentioned work. My/our rates are quoted as per the specification laid down in the schedule of items of work.

I /We clearly understand that all materials, tools and plants, machineries, labours, testing of material, storage, haulage etc. required in the work shall have to be arranged by me/us from my/our own resources in the events of allotment of the work to me/us.

I /We also clearly understand that in the event of acceptance/approved of my/our tender, the work shall have to be executed strictly as per specifications and the same shall have to be completed in all respects within the stipulated time failing which I am/We are liable to be penalized as per rules laid down in Tender document as well as agreement thereof.

***Appendix-3***

**PROFILE OF THE BIDDER**

Hard copy of the following documents to be submitted with Techno-Commercial Bid.

|  |  |  |
| --- | --- | --- |
| Sl. No. | Particulars | To be filled by Bidder |
|  | Name of the Bidder | :- |
|  | Registration with Memorandum of Association | :- |
|  | PAN | :- |
|  | GST Registration number along with upto date GST to be submitted | :- |
|  | Postal Address | :- |
|  | House No. | :- |
|  | Lane | :- |
|  | Street | :- |
|  | Town/Village | :- |
|  | Post Office | :- |
|  | P.S. | :- |
|  | District | :- |
|  | Pin code | :- |
|  | Telephone Number | :- |
|  | Mobile No. | :- |
|  | E-Mail Address | :- |
|  | Website | :- |
|  | Name(s) of the Owners / Directors/Partners | :- |
|  | Name of the Banker with Address and Telephone Number | :- |
|  | Contact Person Details  *(Furnish here name of that person with whom AEGCL may get in touch for more information or clarifications)* | Name: -  Designation: -  Mobile Number: -  Email Address:- |

## Appendix-4

## Form-BG

**Form of Bid Security(Bank Guarantee)**

WHEREAS, *[Name of Bidder]* (hereinafter called "the Bidder") has submitted his bid dated *[Date]*for the construction of *[Name of Contract]*(here in after called "the Bid").

KNOW ALL MEN by these presents that We *[Name of Bank]* of

*[Name of Country]* having our registered office at(hereinafter called "the Bank) are bound unto

*[Name of Employer]*(herein after called "the Employer")in the sumof

for which payment will and truly to be made to the said Employer the Bank binds himself, his successors and assigns by these presents. SEALED with the Common Seal of the said Bank this day of\_25.

## THE CONDITIONS of this obligation are:

1. If the bidder withdraws his Bid during the period of bid validity specified in the Form of Bid:

Or

1. If the Bidder refuses to accept the correction of errors in his Bid;

Or

1. If the Bidder, having been notified of the acceptance of his Bid by the Employer during the period of Bid validity;
   1. Fails or refuses to execute the Form of Contract Agreement in accordance with the Instructions to Bidders, if required; or
   2. Fails or refuses to furnish the Performance Security ,in accordance with the Instructions to Bidders;

we undertake to pay to the Employer up to the above amount upon receipt of its first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer will note that the amount claimed by it is due to it owing to the occurrence of one or all of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date 180 days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE SIGNATUREOFTHEBANK

WITNESS SEAL

(Signature, Name, andAddress