

Contract | अनुबंध



Contract No | अनुबंध क्रमांक: GEMC-511687721777118

Generated Date | अनुबंध तिथि: 08-Feb-2023

Bid/RA/PBP No. | बोली/आरए/पीबीपी संख्या: [GEM/2022/B/2490257](#)

Organisation Details संगठन विवरण	Buyer Details खरीदार विवरण
Type प्ररूप: Central PSU	Designation पद: DEPUTY GENERAL MANAGER EM
Ministry मंत्रालय: Ministry of Power	Contact No. संपर्क नंबर: 0374-2825215-
Department विभाग: NORTH EASTERN ELECTRIC POWER Corporation	Email ID ईमेल आईडी: dinabandhub.neepco@nic.in
Organisation Name संगठन का नाम: NORTH EASTERN ELECTRIC POWER Corporation	GSTIN जीएसटीआईएन: 18AAACN9991J3ZP
: Limited	Address पता: AGBP, NEEPCO, Bokuloni, Dibrugarh, Assam,
Office Zone कार्यालय क्षेत्र: Assam Gas Based Power Plant Bokuloni Dibrugarh	DIBRUGARH, ASSAM-786191, India

Financial Approval Detail वित्तीय स्वीकृति विवरण	Paying Authority Details भुगतान प्राधिकरण विवरण
IFD Concurrence आईएफडी सहमति: No	Role: PAO
Designation of Administrative Approval प्रशासनिक अनुमोदन का पदनाम: CGM(E/M)	Payment Mode भुगतान का तरीका: Internet Banking
Designation of Financial Approval वित्तीय अनुमोदन का पदनाम: CGM(E/M)	Designation पद: IN CHARGE FINANCE
	Email ID ईमेल आईडी: rahulg.neepco@nic.in
	GSTIN जीएसटीआईएन: 18AAACN9991J3ZP
	Address पता: AGBP, NEEPCO, Bokuloni, Dibrugarh, Assam,
	Dibrugarh, ASSAM-786191, India

Seller Details विक्रेता विवरण
GeM Seller ID जेम विक्रेता आईडी: TKNZ200001869263
Company Name कंपनी का नाम: EVERLITE ENGINEERING INDUSTRIES
Contact No. संपर्क नंबर: 09435135206
Email ID ईमेल आईडी: vseverlite@gmail.com
Address पता: A.T ROAD, EVERLITE HOUSE, PANITOLA, LAIPULI, TINSUKIA, ASSAM-786183, -
MSME verified एमएसएमई सत्यापित: Yes
MSME Registration number एमएसएमई पंजीकरण संख्या: AS26E0000345
MSE Social Category एमएसई सामाजिक श्रेणी: General
MSE Gender एमएसई लिंग श्रेणी: Male
GSTIN जीएसटीआईएन: 18AABFE6096R1ZN

*GST / Tax invoice to be raised in the name of | जिसके नाम के पक्ष में GST/TAX इनवॉइस पेश किया जाएगा - Consignee

Product Details उत्पाद विवरण						
#	Item Description आइटम विवरण	Ordered Quantity आइटम विवरण	Unit इकाई	Unit Price (INR) इकाई मूल्य (INR)	Tax Bifurcation (INR) कर विभाजन (INR)	Price (Inclusive of all Duties and Taxes in INR) मूल्य (INR में सभी शुल्क और कर सहित)
1	Product Name उत्पाद का नाम : GE Instrument Transformer-CT, 400kV System Brand ब्रांड : GE Brand Type ब्रांड प्रकार : Registered Brand Catalogue Status कैटलॉग की स्थिति: OEM verified catalogue Selling As कैसे बेचा जा रहा है : OEM verified Reseller Category Name & Quadrant श्रेणी का नाम और चतुर्थांश : Instrument Transformer-Ct-IS: 2705 (Q2) Model मॉडल: OSKF 420 HSN Code एचएसएन कोड: HSN not specified by seller	14	pieces	531,927	NA	7,446,978
Total Order Value कुल ऑर्डर मूल्य (in INR)						7,446,978

Consignee Detail परेषिती विवरण						
S.No क्र.सं.	Consignee परेषिती	Item वस्तु	Lot No. लॉट नंबर	Quantity मात्रा	Delivery Start After दिनांक के बाद डिलीवरी शुरू करना है	Delivery To Be Completed By वितरण पूरा कब तक करना है
1	Designation पद : - Email ID ईमेल आईडी : rubudas.neepco@nic.in Contact संपर्क : 0374-2825204- GSTIN जीएसटीआईएन : -	GE Instrument Transformer-CT, 400kV System	-	14	08-Feb-2023	08-Jun-2023

Address पता : AGBP, NEEPCO, Bokuloni, Dibrugarh, Assam, DIBRUGARH, ASSAM-786191, India					
Product Specification for GE Instrument Transformer-CT, 400kV System					
Specification विनिर्देश		Sub-Spec उप-विनिर्देश		Value मूल्य	
Standards	Conformity to IEC: 61869-1 & 61869-2 or IS: 2705 Part-1 to 4or IS:16227-1/IS:16227-2		Yes		
	Conformity to Switchgear-INST C/ENGG/SPEC/SWGR/R11, JAN 2017		Yes		
Technical Specification	Rated frequency		50		
	Design ambient temperature		50		
	Minimum Creepage distance		10500		
	System Types		400kV System		
	Rated Voltage, (kVrms)		420		
	Rated dynamic current		100kAp/125kAp/ 157.5kAp (as applicable)		
	Rated short time thermal withstand current		40kA/50kA/63kA (as applicable) for 1 sec		
	No. of Poles		1		
	Rated extended primary Current, %		120		
	System neutral earthing		Effectively Earthed		
	Number of terminals		All terminals of control circuits are to be wired up to marshaling box plus 20% spare terminals evenly distributed on all TBs		
	Max. radio interference voltage for frequency between0.5 MHz and 2 MHz at (microvolts)		1000 at 266kV rms		
	Minimum Corona extinction voltage (kVrms)		320		
	Temperature rise over design ambient temperature		As per IEC		
	Rated Primary Current, (A)		3000		
	Partial Discharge		As per IEC		
Seismic acceleration (Horizontal)		0.3g			
Rated Insulation Levels	One minute power frequency withstand voltage between secondary terminals & earth (kVrms)		5kV		
	Switching impulse withstand voltage (250/2500 microsecond) (dry and wet) between line terminals and ground (kVpeak)		+-1050		
	Full wave impulse withstand voltage (1.2/50 microsecond)between line terminals and ground(kVpeak)		+-1425		
	One minute power frequency dry withstand voltage (dry and wet) between line terminals and ground (kVrms)		630 (dry only)		
Test Reports	Name and address of the Lab where Test conducted		Govt/NABL Apprd Lab		
	Availability Of Test Report From Central Govt/Nabl/Ilac Accredited Lab To Prove Conformity To Specification		Yes		
	Copies of reports and certifications to be furnished to buyer on demand at time of supplies		Yes		
	Test Report Number and Date		As per TTR List		
	The CT transformer offered should have been type tested and approved by Powergrid Engineering as on the originally scheduled date of bid opening		Yes		
	The standard Manufacturing quality plan of the manufacturer for offered rating CT shall have been approved by Powergrid and shall be valid as on the originally scheduled date of opening		Yes		
Additional Reports	General Reports		PowerGrid, reserves the right to wave the minor deviations of technical requirement provided it does not impact the execution of of contract		
Buyer Defined Additional Specification for खरीदार परिभाषित अतिरिक्त विशिष्टता के लिए GE Instrument Transformer-CT, 400kV System					
Specification विनिर्देश		Value मूल्य			
1) The Tenderer shall be a regular manufacturer or authorized dealer of original equipment manufacturer (OEM) 1.1) The offered new 245KV CVTs shall be suitable for replacement of the old ph-PTs and existing CVTs 1.2) Works in phase manner		1) The intending Tenderer shall be a regular manufacturer or authorized dealer of original equipment manufacturer for instrument transformer in India 1.1) The offered new 245KV CVTs shall be suitable for replacement of the old existing ph-PTs and CVT at AGBP; 1.2) Dismantling of existing old CVT, Bus PTs shall make the site ready for installation, testing and commissioning of new CVT on existing structure and civil foundation only. Works shall be carried out in phase manner			

2)Accuracy class of CVT; 2.1) Ratio; 2.2) Capacitances, 2.3): Pass Band; 2.4) Secondary windings; 2.5) Lightning (Full wave) impulse withstand voltage; 2.6) Natural frequency of coupling capacitors; 2.7) Rated secondary burden	2) Accuracy class of CVT shall be 0.2 for metering; 3P for Protection or as per CEA's latest revision 2.1) 220000/sq.root 3)/(110/sq.root3); 2.2) 4400/6600(+10, -5%) shall be as per relevant standard and shall not be inferior to existing; 2.3) 40 to 500 KHZ; 2.4) 3; 2.5)Lightning impulse withstand voltage (1.2/50 s) between line terminal and ground shall be 1050 (kVp) 2.6)Natural frequency of coupling capacitors 1 MHZ 2.7) Suitable with existing and shall comply CEA guidelines
3) Rated system voltage; 3.1) Highest system voltage; 3.2) Fault current and duration; 3.3) One-minute power frequency withstand voltage; 3.4) Minimum corona extinction voltage; 3.5) Maximum radio interference voltage for frequency	3) Rated system voltage 220KV; 3.1) Highest system voltage 245KV; 3.2) Fault current and duration 40-50KA for1 sec or as per CEA recent notifications; 3.3) One-minute power frequency withstand voltage between line terminals and ground 460 kVRMS; 3.4) Minimum corona extinction voltage 156 kVRMS; 3.5) Maximum radio interference voltage for frequency between 0.5 to 2 MHz (µV) shall be 1000 at 156 kVrms
4)Standard reference range of frequencies (%) 4.1) High frequency capacitance; 4.2) Equivalent Resistance for entire carrier frequency range; 4.3) Stray capacitance and stray conductance; 4.4) Maximum partial discharge level; 4.5) Cantilever strength	4)Frequencies for which the accuracies are valid for protection 96-120percent; measurement 99-101percent; 4.1) For entire carrier frequency range shall be 80 to 150 of rated capacitance; 4.2)For entire carrier frequency range is less40%; 4.3) Stray capacitance and stray conductance of LV terminal over entire carrier frequency range shall be as per IEC 60358 or latest revision; 4.4) Maximum partial discharge level is 10pC; 4.5) Cantilever strength 350kg and 150kg for polymer housing
5) CVT subjected to type, routine and acceptance tests as per IEC 60044-1/IEC 60044-5 or latest revision. 5.1) Required Technical Specifications, Existing technical data, Scope of Contact, Buyer Added Bid Specific ATC etc.	5) CVT shall be subjected to type, routine and acceptance tests as per IEC 60044-1/IEC 60044-5 or latest revision. ; 5.1) All the bidders shall comply the required Technical Specifications suitable with existing technical data, Scope of Contact, Techno-Commercial requirement etc. as mentioned under Buyer Added Bid Specific ATC of bid document as attached.
Corrigendum शुद्धिपत्र 1. Extended Upto तक बढ़ाया गया : 2022-10-13 15:00:00 2. Extended Upto तक बढ़ाया गया : 2022-10-20 15:00:00	
Terms and Conditions नियम और शर्तें 1. General Terms and Conditions- 1.1 This contract is governed by the General Terms and Conditions, conditions stipulated to this Product/Service as provided in the Marketplace. 1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable 2. Buyer Added Bid Specific Terms and Conditions- 2.1 Generic OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly. 2.2 Generic After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 15 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 10 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing. 2.3 Generic Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address AGBP NEEPCO LTD Bokuloni Dibrugarh Assam Pin:786191. 2.4 Generic Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid. 2.5 Generic Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %. 2.6 Generic Bidder shall submit the following documents along with their bid for Vendor Code Creation: a. Copy of PAN Card. b. Copy of GSTIN. c. Copy of Cancelled Cheque. d. Copy of EFT Mandate duly certified by Bank. 2.7 Generic Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.	

2.8 Generic

Experience Criteria: The Bidder or its OEM (themselves or through reseller(s)) should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

2.9 Generic

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

2.10 Generic

The Buyer has an existing set up / inventory of similar products. The offered / supplied product must be compatible with existing system. The bidder has to ensure Compatibility of the supplied items or shall have to include in the supply the necessary hardware / software to make them compatible at no extra cost to the buyer. The details of items with which compatibility is required are as under: Dismantling of existing old 220kV Capacitor Voltage Transformer, 220kV Bus PTs shall make the site ready for installation, erection, testing and commissioning of new CVT on existing support/mounting structure and civil foundation. Mounting structure of new CVTs (if required) shall be designed suitability considering existing support/ structure and foundation only. Please refer the Buyer Added Specific ATC.

2.11 Generic

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

2.12 Generic

The seller is required to print logo as per buyer's requirement.

2.13 Generic

Upload Manufacturer authorization: Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

2.14 Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

2.15 Generic

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

2.16 OEM

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

2.17 Inspection

Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER): Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages. When there is requirement of submission the advance sample, the seller shall inform the buyer promptly through emails about the date of submission of sample to the buyer nominated Inspection agency.

2.18 Forms of EMD and PBG:

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of AGBP NEEPCO LTD payable at SBI NEEPCO Bokuloni, Dibrugarh, Assam. A/C No:34098989892. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

2.19 Forms of EMD and PBG:

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name AGBP NEEPCO Account No. 34098989892 IFSC Code SBIN0009143 Bank Name SBI Bokuloni Chariali Branch address NEEPCO Bokuloni, Dibrugarh, Assam (786191). Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

2.20 Financial Criteria:

NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

2.21 Scope of Supply:

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

2.22 Purchase Preference (Centre).

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

2.23 Certificates:

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

2.24 Certificates:

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

2.25 Certificates:

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

2.26 Certificates:

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): CVT shall be subjected to type, routine and acceptance tests as per IEC 60044-1/IEC 60044-5 or latest revision. Please refer the Buyer Added Specific ATC..

2.27 Buyer Added Bid Specific ATC:

Buyer Added text based ATC clauses

1) Buyer Added Specific ATC (Additional Terms & Conditions for Techno-commercial Requirements):

1.1 SCOPE OF CONTRACT: Design, Engineering, Manufacture, Inspection and Testing at Manufacturer's works before dispatch of single phase 220/√3KV / 110/√3V Capacitive Voltage Transformer (CVT), Packing & Forwarding, Supply, Transportation to site, Insurance from the source of supply till commissioning, Material Handling, Loading and unloading, Storage at Site, dismantling of old existing CVTs, VTs, Retrofitting/Erection, Testing and Commissioning of new CVTs at AGBPS, NEEPCO LTD., Bokuloni, Dibrugarh, Assam.

1.2 The intending Tenderer shall be a regular manufacturer of instrument transformer preferably Capacitive Voltage Transformer (CVT)/Voltage Transformer (VT) in India for the equipment to be supplied under the scope of contract .

1.3 Bid Security/ Earnest Money Deposit: In line with the Office Memorandum vide No: DPE/7(4)/2017-Fin.(Part-I), dtd.19/11/2020 GOI, Ministry of Heavy Industries & Public Enterprises, the bidders are to submit "Bid Security Declaration" against Bid Security in the prescribed format (Form-B) duly signed and by accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for the time specified in the tender documents. Bids without Bid Security Declaration shall be summarily rejected.

1.4 Dismantling of existing old 220kV Capacitor Voltage Transformer, 220kV Bus PTs shall make the site ready for installation, erection, testing and commissioning of new CVT on existing support/mounting structure and civil foundation . Mounting structure of new CVTs (if required) shall be designed suitability considering existing support/ structure and foundation only .

1.5 The offered Capacitive Voltage Transformer (CVT) shall be as per specific technical parameters for outdoor installation and must be suitable for existing system, protections, termination of cables, dimensions of foundation/structure etc. whatever required to complete in all respects for satisfactory operation by retrofitting of 220kV CVTs at AGBPS.

1.6 The materials viz., adopter plate, base plate, pedestal etc. required for retrofitting of new 220kV CVTs to match with the existing support/mounting structure, foundation and foundation bolts.

1.7 Existing power, control/protection cable located at Central Control Room to the respective 220kV CVTs, VTs at switchyard shall be used. However, in case of requirement of any additional cable for interconnection shall be under scope of contract.

1.8 Mandatory Spare: The bidder has to provide Mandatory Spares for Capacitive Voltage Transformer (for Feeders, Bus PTs) including Terminal Connectors, fastening nut-bolts etc.

1.9 Bidders must indicate clearly the Service Life periods of the offered CVT which shall be 25-30 years or as per CEA latest guidelines and shall ensure the availability of spares for life periods of equipment to be supplied under the scope of contract. All the participating bidders shall have to confirm in writing and shall submit the undertaking with the Tech-Commercial bid.

1.10 All terminals shall be clearly marked with identification numbers or letters to facilitate connection to external wiring.

1.11 All necessary cable terminating accessories such as glands, crimp type tinned copper lugs etc. for power as well as control cables shall be included in supplier's scope of supply. Suitable brass cable glands shall be provided for cable entry.

1.12 Delivery Period: Complete set of equipment/material shall be delivered at site within 4 (four) months from the date of approval of drawing/manufacturing clearance or mutually agreed terms and conditions. Effort should be given by the bidder to minimize the delivery periods.

1.13 Dismantling, Retrofitting, Testing and Commissioning Period: The works shall be completed within 7 days for each feeder/220KV Bus effective from the date of availing shutdown or complete works within 5 months from the date of delivery of materials at site. However, Dismantling, Retrofitting/Erection, Testing and Commissioning works which shall be done in phase manner and feeder/bus wise depending on clearance for availing shutdown of Lines / Buses or mutually agreed terms and conditions. Prior intimation shall be given in due time and effort will be given from our end to avail the shutdown in a shortest possible time.

Further, the bidders can make the assessment of works by visiting our site at AGBPS, NEEPCO LTD. PO. BOKULONI C HARIALI, DIST. DIBRUGARH, ASSAM, PIN.786191 for technical suitability & confirmation accordingly

1.14 Field Service: The bidder had to ensure the appropriate technical support service consisting of factory trained Customer Engineers dedicated to the start-up, maintenance and repair of equipment. In case of breakdown of equipment's or urgency, the bidder shall ensure to provide technical support service within 48 hrs from the time of intimation during contract periods.

1.15 Accommodation: Free accommodation shall be provided (food on chargeable basis) at our Guest House to the commissioning engineer/Service Team during commissioning & service periods. The bidders may submit their views and the planning of schedule time for completion of supply, commissioning of works as per manufacturer standard.

1.16 STANDARDS: The Capacitive Voltage Transformer (CVT) shall conform to the latest revisions with amendments available at the time of testing of relevant standards, rules and codes. Equipment meeting with the requirements of any other authoritative standards, which ensures equals or better quality than the standards mentioned herein may also be offered. In that case, salient points of difference between the standards adopted and the specified standards shall be clearly brought out in the bid and shall be considered acceptable, if found justified after due technical evaluation.

2.0 TECHNICAL REQUIREMENTS OF CAPACITIVE VOLTAGE TRANSFORMER (CVT)/VOLTAGE TRANSFORMER(VT):

- 2.1 Voltage Transformer (VT) shall be capacitor voltage divider type (CVT). CVT shall be single phase, oil immersed (with Class A insulation)/ SF₆ gas filled and self-cooled.
- 2.2 *The offered new CVTs shall be suitable for replacement of the old existing ph-PTs of the Buses at AGBPP (used for synchronization) and old existing CVT for feeders.*
- 2.3 CVT on lines shall be suitable for Carrier Coupling
- 2.4 CVT shall be provided with three secondary windings: two windings for protection and one for metering.
- 2.5 CVT shall be suitable for high frequency (HF) coupling required for power line carrier communication (PLCC). Carrier signal shall be prevented from flowing to electro- magnetic unit (EMU) circuit of VT with radio frequency (RF) choke/ reactor over entire carrier frequency range (40 to 500Khz). HF terminals shall be brought out through a suitable bushing.
- 2.6 EMU comprising compensation reactor, intermediate transformer and protective and damping devices shall be provided with separate terminal box with all secondary terminals brought out.
- 2.7 The damping devices permanently connected to one of the secondary windings shall suppress ferro-resonance oscillations also.
- 2.8 Miniature circuit breaker (MCB) / HRC fuse shall be provided on the secondary windings of the VT. The auxiliary contacts shall be provided in the MCB for interlocking and alarm purpose.
- 2.9 CVT shall be subjected to type, routine and acceptance tests as per IEC 60044-1/IEC 60044-5 or latest revision. In case type tests are not to be performed and type test reports are to be submitted, the manufacturer shall furnish certificate of conformity to relevant standards from the independent and approved test laboratory. The following additional type tests shall be carried out:
- High frequency capacitance and equivalent series resistance measurement (as per IEC-60358).
 - Seismic withstand test.
 - Stray capacitance and stray conductance measurement of low voltage terminal (as per IEC 60358).
 - Determination of temperature coefficient test (as per IEC60358).
 - Radio interference test as per IEC60044-5.
- 2.10 VT burden for metering class windings shall not be less than 50VA to achieve 0.2 accuracy class.

2.11 Salient features of Capacitive Voltage Transformer (CVT)/Voltage Transformer (VT):

Sl. No	Details/Description	220KV System
01	Nominal/Rated system voltage (kV)	220
02	Highest system voltage (kV).	245
03	Fault current and duration(kA)	40/50(1 sec) or as per CEA recent notifications.
04	Rated primary voltage (kV)	245/√3
05	Rated secondary voltage (V) ⁽¹⁾	110/√3
06	Accuracy class	
	- Protection	3P
	- Metering ⁽²⁾	0.2
07	Lightning (Full wave) impulse withstand voltage (1.2/50 s) between line terminal and ground (kV _p)	1050
08	Switching impulse withstand voltage (1250/2500 s) between line terminal and ground (dry & wet) (kV _p)	---
09	One-minute power frequency withstand voltage between line terminals and ground (kV _{RMS})	460
10	Minimum corona extinction voltage (kV _{RMS})	156
11	Maximum radio interference voltage for frequency between 0.5 to 2 MHz (μV)	1000(at 156 kV _{rms})
12	Standard reference range of frequencies for which the accuracies are valid	
	-protection (%)	96 to 120
	-measurement (%)	99 to 101
13	High frequency capacitance for entire carrier frequency range (%)	80 to 150% of rated capacitance
14	Equivalent Resistance for entire carrier frequency range(Ω)	<40
15	Stray capacitance and stray conductance of LV terminal over entire carrier frequency range	As per IEC 60358

16	One-minute power frequency withstand voltage (LV side)	
16a	Between LV (HF) terminal and earth	
	- for exposed terminals (kV _{RMS})	10
	- for terminals enclosed in weather proof enclosure (kV _{RMS})	4
16b	for secondary windings (kV _{RMS})	3
17	Rated voltage factor	
	- continuous	1.2
	- for 30 seconds	1.5
18	Maximum partial discharge level (pC)	10
19	Rated Capacitance (3) (pF)	4400/6600(+10, -5%) and shall not be inferior to existing.
20	Cantilever strength ⁽⁴⁾ (kg)	350

Note:

1. The minimum burden for metering VT shall be 50VA to ensure 0.2 M accuracy class.
2. The accuracy class for tariff metering core shall be equal to 0.2 or better as per the 'Central Electricity Authority (Installation and operation of Meters) Regulation, 2006'.
3. For PLCC, capacitance values shall be as follows:
- 220 kV system: 4400/5575/6600/8800 pF
4. Cantilever strength shall be 150kg for polymer housing.

2.12 Site Test: After the CVT assembled at site, it shall be tested in order to check that it has not been damaged during transportation and assembly to such an extent that its future operation will be at risk. The performance of the test, the testing method shall be as per relevant/manufacture standards.

3.0 GENERAL DESIGN AND CONSTRUCTION:

3.1 The fabrication and erection of the equipment shall be generally as per IS 802 and IS 800. All materials shall be fabricated and galvanized.

3.2 The minimum safe clearance of all live parts of the equipment shall be as per relevant standards and electricity rules.

3.3 DOCUMENTS TO BE SUBMITTED ALONGWITH OFFER:

A) Drawings

- B) Guaranteed Technical Particulars
- C) Type Test Reports
- D) Manufacturing Quality Plan

3.4 The contractor shall submit at least 5 (five) copies of instruction manuals in binding form for each type of CVTs and data sheets for each rating of equipment shall be submitted. The manuals shall clearly indicate the installation methods, check-ups and tests to be carried out for testing the equipment and maintenance procedure.

4.0 NAMEPLATE AND RATING PLATES: CVT shall be provided with a rating plate or plates marked with but not limited to following data

- i. Standard.
- ii. Primary Voltage
- iii. Highest System Voltage.
- iv. Secondary Voltages of each core
- v. Secondary core VA
- vi. Secondary Core Terminals
- vii. Accuracy classes
- viii. Insulation level.
- ix. Rated Voltage Factor/Time
- x. Frequency.
- xi. Capacitances C1, C2, Cn
- xii. Electrical Specification
- xiii. Drawing no.
- xiv. Serial No.
- xv. Manufacturing year.

The name/rating plate shall be visible in position of normal service and installation. The rating plate shall be weather proof and corrosion proof.

5.0) EXISTING TECHNICAL DATA OF 220 kV CAPACITOR VOLTAGE TRANSFORMER/VT.

5.1 EXISTING TECHNICAL DATA FOR CAPACITIVE VOLTAGE TRANSFORMERS.

Sl. No.	Description	Existing Technical data
1	Name of manufacturer & Country of origin	BHEL BHOPAL
2	Type and Model	Outdoor
3	Rated voltage	220/√3 KV

4	Capacitances	
	a. Primary capacitance C 1	7334 PF
	b. Intermediate capacitance C2	66000 PF
	c. Equivalent capacitance C n	6600 PF
5	Pass Band	40 to 500 KHZ
6	Natural frequency of coupling capacitors	≥ 1 MHZ
7	No. of secondary windings	3
8	Rated secondary voltages	110/√3 Volts
	a. Winding 1	110/√3 Volts
	b. Winding 2	110/√3 Volts
	c. Winding 3	
9	Rated secondary burden	200 VA
	a. Winding 1	200 VA
	b. Winding 2	100 VA
	c. Winding 3	
10	Accuracy class of each secondary	
	a. Winding 1	3 P
	b. Winding 2	3 P
	c. Winding 3	0.5
	0.5 Accuracy ceases on winding 3 and including a total simultaneous burden of 300 VA	
11	Temperature rise at 2 times rated voltage with rated burden	< 40°C
12	Rated voltage factor and time	1.2 continuous & 1.5 for 30 sec
13	Temperature rise for conditions specified at S. no. 12 above	< 50°C
14	One-minute power frequency withstand test voltage	<460 KV RMS
15	1.2 /50 micro second impulse wave withstand test voltage.	1050 KV Peak
16	One-minute power frequency withstand test voltage on secondary's	2 KV RMS
17	Shortest arcing distance	About 2.1 M
18	Minimum creepage distance (total)	5635 MM
19	Weight of oil and standard to which it confirms	85 KG (Fresh oil to IS: 335) IN EN UNIT
20	Total weight	According to OGA drg.
21	Overall dimension	According to OGA drg.
22	Minimum center to center recommended spacing between CVTs	As per BS 162
23	Clearance required from grounded equipment at various heights of CVTs	As per BS 162
24	Mounting flange dimension details	As per OGA drg.
25	Whether CVTs are suitable for carrier communication, carrier protection, carrier telemetering service, metering, relaying, protection, synchronizing and interlocking purpose	Yes

5.2) EXISTING TECHNICAL DATA FOR VOLTAGE TRANSFORMERS

Sl. No.	Description	Technical Existing data
1	Name of manufacturer & Country of origin	BHEL JHANSI
2	Type and Model	Outdoor
3	Rated voltage	220KV

4	Highest System Voltage	245KV
5	No. of secondary windings	2
6	Rated secondary voltages	
a.	Winding 1	110/√3 Volts
b.	Winding 2	110/√3 Volts
7	Rated Output (burden)	
a.	Winding 1	300 VA
b.	Winding 2	50 VA
8	Accuracy class of each secondary	
a.	Winding 1	0.5/3 P
b.	Winding 2	3 P
9	Frequency	50Hz
10	Insulation Level (KV)	460/ 1050 KVp
11	RVF/Time	1.5/ 30 Sec
12	Neutral	Earthed

UNPRICE SCHEDULE

(To be filled in by the Bidder in Price Bid only)

“Design, Engineering, Manufacturing, Supply, Retrofitting/Erection, Testing and Commissioning of new 220kV Capacitor Voltage Transformer for Replacement of old existing 220kV CVT, 220kV Bus Potential Transformers (PT) at AGBPS, NEEPCO Ltd., Bokuloni, Dibrugarh, Assam.”

Sl. No.	Description of item	UOM	QTY
	I (For Supply)	(q)	(a)
1	Supply: Supply of 220 kV Capacitor Voltage Transformer along with retrofitting Material i.e. Adapter frame, Terminal Connectors for CVT/VT etc. complete in all respect.	No	
1.1	220KV Capacitor Voltage Transformer (CVT) for replacement of old CVTs.		6
1.2	220KV Capacitor Voltage Transformer (CVT) for replacement of old VT		6
	Total (For Supply)		12
2	II. Service: Dismantling of Existing CVTs/VTs and Installation, testing and commissioning of new CVTs Complete in all respect.	No	
2.1	CVTs (2sets=3nox2set=6nos) for Feeders		6
2.2	CVTs for VTs (2sets=3nox2set=6nos) for Buses		6
	Total (For Service)		12
3	Supply: Mandatory Spare: CVTs complete in all respect including Adapter frame, Terminal Connectors etc.		2

FORM-B: Bid Security Declaration

(Bidders shall submit this DECLARATION online)

I/We(Name of the Bidder) do hereby solemnly affirm and declare that if I/We withdraw or modify my/our bid after the bid opening during the period of bid validity and extension thereof, I/We will be suspended from participating in future tenders of the Corporation for a period of 2 (two) years from the date of issue of notice of such suspension by the Corporation. “

Place, date
authorised to sign the bid on behalf of the Bidder (In block letters))
(Designation / Title of Signatory)

Signature) (Name of Signatory, duly

2.28 Buyer Added Bid Specific ATC:

Buyer uploaded ATC document [Click here to view the file](#).

2.29 Turnover:

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2.30 Turnover:

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

2.31 Service & Support:

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

2.32 Service & Support:

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

2.33 Warranty:

Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide AMC Service for next 5 years for the offered products at the rate not more than 10 % of contract price per annum. Buyer reserves the right to enter into an AMC agreement (covering preventive maintenance and servicing)with the Successful Bidder / OEM after expiry of the Warranty period at rate as mentioned above and the payment for the AMC charges would be made Annually after rendering of the AMC Services of the relevant AMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the AMC contract when called upon by the buyer. The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 10% of total AMC value valid up to AMC period plus 2 months (if there is no other claim). (Undertaking of acceptance to be uploaded with bid).

2.34 Warranty:

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

2.35 Warranty:

Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope The bidder had to ensure the appropriate technical support service consisting of factory trained Customer Engineers dedicated to maintenance and repair of equipment. In case of problem/defects in measuring & protection of equipment/breakdown of equipment's or urgency, the bidder shall ensure to provide Technical support service within 48 hrs from the time of intimation during entire contract including Annual Maintenance Contract periods. (Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)

2.36 Warranty:

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

2.37 Purchase Preference (State):

Purchase preference to Micro and Small Enterprises (MSEs) from the State of Bid Inviting Authority : Purchase preference will be given to MSEs as Micro and Small Enterprises from the State of Bid inviting Authority whose credentials are validated online through Udyog Aadhaar/URC for that product category. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15 Quoted price as percentage margin of purchase preference/price} % of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25 % of total value as defined/ decided in relevant policy.

2.38 Past Project Experience:

The Bidder / OEM (themselves or through reseller(s)), should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

2.39 Past Project Experience:

For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:

- a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
- b. Execution certificate by client with order value.
- c. Any other document in support of order execution like Third Party Inspection release note, etc.

2.40 Purchase Preference (State):

Procurement under this bid is reserved for purchase from Micro and Small Enterprises from the State of Bid Inviting Authority whose credentials are validated online through UDYAM Registration /Udyog Aadhaar (as validated by Government from time to time) for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along

with the bid in respect of the offered product or service. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

2.41 Purchase Preference (Centre):

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

2.42 Purchase Preference (Centre):

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

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- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.

नोट: यह सिस्टम जनरेटेड फाइल है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।