

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	30-07-2026 11:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	30-07-2026 11:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Science And Technology
विभाग का नाम/Department Name	Department Of Science And Technology (dst)
संगठन का नाम/Organisation Name	Sree Chitra Tirunal Institute For Medical Sciences And Technology (sctimst)
कार्यालय का नाम/Office Name	Thiruvananthapuram
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :sm.sctimst-ker@gov.in Buyer Email id: purchase1@sctimst.ac.in
कुल मात्रा/Total Quantity	1
वस्तु श्रेणी /Item Category	Online Ups Modular Type (Q3)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
वर्षों के अनुभव के लिए एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience	Yes Complete
वर्षों के अनुभव के लिए स्टार्टअप को छूट प्राप्त है / Startup Relaxation for Years Of Experience	Yes Complete
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)

बिड विवरण/Bid Details	
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	3
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
व्यापक रखरखाव शुल्क आवश्यक / Comprehensive Maintenance Charges Required	Yes
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
अनुमानित बिड मूल्य / Estimated Bid Value	4500000
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

आवश्यकता/Required	No
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ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	38

(a) ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

लाभार्थी /Beneficiary :

DIRECTOR, SCTIMST

Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram, Department of Science and Technology (DST), Ministry of Science and Technology
(Director, Sctimst)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में है / Purchase Preference to MII sellers available upto price within $L1+X\%$	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50
सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ / Purchase Preference to MSE OEMs/ Service Provider available upto price within $L1+X\%$	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting

documents to prove his eligibility for Relaxation.

2. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.

3. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

4. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. 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.

6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

7. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Online Ups Modular Type (1 pieces)

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ /Technical Specifications

* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
GENERIC	Output power capacity including redundancy/Expandable (Rack facility) upto/Minimum backuptime (including redundancy) /Minimum VAH (VAH shall be calculated Battery voltage x Battery Ah x No. of batteries = Total VAH)	150 KVA/240KVA/15 Minutes/61500 VAH, 150 KVA/240KVA/30 Minutes/123000 VAH, 150 KVA/240KVA/45 Minutes/184500 VAH, 150 KVA/250KVA/15 Minutes/61500 VAH, 150 KVA/250KVA/30 Minutes/123000 VAH, 150 KVA/250KVA/45 Minutes/184500 VAH, 160 KVA/240KVA/15 Minutes/65600 VAH, 160 KVA/240KVA/30 Minutes/131200 VAH, 160 KVA/240KVA/45 Minutes/196800 VAH, 160 KVA/250KVA/15 Minutes/61500 VAH, 160 KVA/250KVA/30 Minutes/123000 VAH, 160 KVA/250KVA/45 Minutes/184500 VAH, 60 KVA/120KVA/15 Minutes/24600 VAH, 60 KVA/120KVA/30 Minutes/49200 VAH, 60 KVA/120KVA/45 Minutes/73800 VAH, 4KVA/8KVA/6 minutes/1080 VAH, 8KVA/16KVA/6 minutes/2160 VAH, 16KVA/32KVA/6 minutes/4320 VAH, 100 KVA/200 KVA/15 Minutes/72000 VAH, 100 KVA / 150 KVA / 30 Minutes / 82000 VAH, 120 KVA / 125 KVA / 30 Minutes / 76800 VAH, 160 KVA / 240 KVA / 60 Minutes / 262400 VAH, 120 KVA / 240 KVA / 30 Minutes / 100800 VAH, 40KVA with 15/ 30 min backup 50KVA with 15/ 30 min backup 80KVA with 15/ 30 min backup, 60 KVA / 240 KVA / 30 Minutes / 50400 VAH, 60 KVA / 150 KVA / 60 Minutes / 103680 VAH, 10 KVA / 20 KVA / 30 Minutes / 15600 VAH, 15 KVA/ 30 KVA/ 30 Minutes/ 24000 VAH, 40 KVA/ 100 KVA/ 30 Minutes/ 20160 VAH, 500 KVA/ 500 KVA/ 30 Minutes/ 360000 VAH, 300 KVA/300 KVA/15 Minutes/ 163200 VAH
	Noise level	<= 55 dB, <= 65 dB, <= 70 dB
INPUT	In put Voltage Range	320 V to AC to 470 V AC 3 Phase, 340 V to AC to 470 V AC 3 Phase
	Input frequency range	50 +/-6% Hz, 50 +/-10% Hz
	Distortion (current)	< / = 3%, < / = 5%
OUTPUT	Output powr factor	>= 0.90, >=0.99
CONSTRUCTION	Minimum thickness (in mm) of Rack Enclosure for Modular UPS duly powder coated	2.0, 1.2, others
	UPS enclosure's degree of protection as per IS:13947 (Part 1)/1993 latest	IP21, IP20

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Total Harmonic Distortion (THD) for 100% linear load	< 3%, < 2%
	Total Harmonic Distortion (THD) for 100% non-linear load	< 5%, < 4%
	Over all efficiency on rated full load of 0.8 PF (min.) AC output	>=90%, >=92%, >=94%, >=96%
	Inverter efficiency on rated full load of 0.8 PF (min.) AC output	>=95%, >=96%
	UPS shall withstand Over load capacity - 125% (Output with mains AC-AC)	for 5 Minutes (Minimum), for 10 Minutes (Minimum)
	UPS shall withstand Over load capacity - 125% (Output in battery run DC-AC)	for 2 Minutes (Minimum), for 30 Seconds (Minimum)
BATTERY	Battery type	SMF VRLA, SMF VRLA, Modular Hot swappable Battery modules, Lithium Ion Battery [as per IS 16046 (part 2)/ IEC 62133-2 and as per IEC 62485-5]
	Battery recharge time (after complete discharge to 90% charge) and charge rating: Battery recharge time to 90% charge after 100% DoD	8 to 10 hours, 4 to 8 hours
	Batteries shall supply with	With metal rack, With Modular cabinet having hot swappable battery
WARRANTY AND SERVICES	Warranty for Modular UPS (on site comprehensive warranty) (in years)	3, 5, others
	Warranty for battery (replacement warranty) (in years)	2, 3, 5, others
	After sales and complaint service	within 24 hours, within 48 hours, Within 7 days
	PAN India service support on 24 x 7 basis	Yes, No
	AMC support available after 3 year warranty	Yes, No
	Quarterly preventive maintenance	Yes, No
	Manufacturer shall provide and support for installation, commissioning, spares, technical support all over India	Yes, No

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Availability of spares in close proximity (Spares should be easily available close to the site)	Yes, No
CERTIFICATIONS	CE Certification and marking	Yes, No
	Damp Heat Test : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C,two cycles of (12+12) hours each 2007)	Yes, No
	Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes, No
	Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes, No

व्यापक रखरखाव / Comprehensive Maintenance	
Comprehensive Maintenance (Minimum Percentage)	3 %
Comprehensive Maintenance (Maximum Percentage)	25 %
Warranty of required product	3 Year
Comprehensive Maintenance Duration (Post Warranty)	7 Year

*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specification

Additional Specification Parameters - Online Ups Modular Type (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Remarks	Bidders offering the product should declare the specification of the product and submit compliance statement as per the Format uploaded in Buyer Added Bid Specific ATC.

* Bidders offering must also comply with the additional specification parameters mentioned above.

परिषदी/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परिषदी/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Shiju V S	695011,Sree Chitra Tirunal Institute For Medical Science and Technology,Medical College PO, Trivandrum	1	90

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

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 up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. Buyback for Non PFMS / Non GPA

Buyback for Non PFMS/Non GPA:

1. GST will apply on the value of buyback and separate invoice is to be prepared by Government buyer/Consignee for buyback items offline outside the GeM system. Vendor should work out input credit for that GST applicable on the buy back while quoting the product/services.
2. Input GST Credit consideration by seller- seller shall offer the prices in the bid by the total amount of new goods including GST- total amount of old goods quoted by the firm excluding GST. This is because GST charged by buyer on buy-back value will be available for full ITC (input tax credit) on the hands of bidder. Therefore, for the purpose of quoting in the bid and evaluation, value as quoted by the bidder (excluding any GST on buy back) as indicated in column G below will be considered.

Illustrative examples for bidders are as under for understanding of the seller.

Excel sheet for explanation to Buyback ATC							
S.No	Cost of Fresh Good (A)	%age of GST on Fresh Good as considered by seller at the time of quote (B).	GST Amount on Fresh Good (C)	Cost of Buyback item (D)	%age of GST on Buyback items (E) as fixed by buyer in the bid	GST Amount on Buyback item (F) as applicable at the time of invoice by buyer	Quote of the Bidder (G= {A+C-D})
1	100	28	28	20	8	1.6	108
2	100	9	9	20	8	1.6	89
3	110	10	11	24	8	1.92	97
Seller after the award of the GeM contract, will indicate all column A to G which will not alter their quoted price indicated in Colum-G							

3. Successful lowest bidder has to provide detailed cost break up of tendered items as well as buy back items separately after award of contract through email to the government buyer/consignee.
4. The seller of new item /service provider shall deposit the cost of invoiced buy back item with GST to the buyer for allowing seller to lift up the material from the buyer/consignee premise.
5. Transportation of buy back items from buyer premises shall be arranged by the seller itself without any extra cost.

6. Government Buyer organisation /consignee will issue invoice of buy back items to the seller at the cost of buyback to be indicated to the buyer by the seller offline after receipt of order. This in no case will modify the bid in any manner.
7. The seller will be entirely responsible for the safe disposal of old items without affecting the environment in any manner as per prevailing statutory rules and Act/ law of the land.
8. The seller may visit the site and inspect the condition of buy back item in advance before quoting for the bid.
9. Receipt of payment by the buyer for Old items and invoicing by buyer will be out of GeM portal.
10. Government Buyer will upload the details of old goods along with the bid in the corrigendum with minimum price.
11. If the minimum price (Optional) is indicated and sellers of new item who are not agreeing to take back the old item at equal to or above that minimum price should not participate in the bid.
12. In case they participate into the bid and afterwards indicates the price of old goods, less than the minimum price shown by Government Buyer in corrigendum, EMD of the bidder will be forfeited.
13. Item Details Consignee wise will be indicated in the corrigendum like -
 1. Consignee wise
 2. Item Description
 3. Serial Number
 4. Model
 5. Brand
 6. Year of manufacturing
 7. Purchased on
 8. Age
 9. Size, Rating, Designation
 10. Quantity
 11. Min price (Optional)
 12. Unit
 13. Working Guidelines (/Functional/Non-Functional)
 14. Remarks
14. The successful bidder shall remove the old goods from the premise of the Government buyer/consignee at the time of the supply, installation and commissioning of fresh goods. Seller will be entitled for payment only after removal of old goods from Government buyer/consignee/user's premise and after supplying the fresh goods in terms of contract.
15. Note: This clause of ATC shall be operated by non PFMS; non GPA buyer i.e. all PSU working through their ERP and not integrated with GPA.

3. **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.

4. **Generic**

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

5. **Warranty**

Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide Comprehensive Maintenance Service for next 5 years for the offered products at the rate not more than 5 % of contract price per annum. Buyer reserves the right to enter into a CMC agreement with the Successful Bidder / OEM after expiry of the Warranty period at above mentioned rate and the payment for the CMC charges would be made Biannually after rendering of the CMC Services of the relevant CMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the CMC contract when called upon by the buyer. CMC would include cost of

As per specification

(Upload the undertaking). The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 3% of total CMC value valid up to CMC period plus 2 months (if there is no other claim).

6. **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.

7. 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 %.

8. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

TECHNICAL SPECIFICATION

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 250 kW MODULAR ONLINE UPS SYSTEM WITH 30-MINUTE BATTERY BACKUP

1. SCOPE OF WORK

The scope of work shall include, but not be limited to, the following:

- 1.1** Supply, installation, testing and commissioning of a 250 kW modular online UPS system complete in all respects.
- 1.2** Supply, installation, testing and commissioning of SMF battery banks of adequate capacity to provide a minimum autonomy of 30 minutes.
- 1.3** Supply and installation of battery racks, battery interconnections, UPS enclosures, monitoring systems, communication systems and all associated accessories required for complete operation.
- 1.4** Supply and installation of all power and control cables (FRLS), cable trays, supports, glands, lugs, ferrules, raceways and termination accessories required for complete installation.
- 1.5** Supply and installation of all electrical panels, protection devices, interlocks, breakers and accessories required for safe and reliable operation.
- 1.6** Supply and installation of channels, structural supports, erection hardware and minor civil works required for installation.
- 1.7** Integration of the proposed UPS with the existing UPS installation available at site and successful commissioning of the complete system.
- 1.8** Provision of all hardware, software, communication interfaces, synchronization equipment, protection devices and accessories required for successful operation.
- 1.9** The bidder shall have single-point responsibility for design, engineering, supply, installation, testing, commissioning, integration, interoperability and successful operation of the complete UPS installation.
- 1.10** Any item not specifically mentioned but required for safe, reliable and satisfactory operation shall be deemed included in the scope of supply.

2. APPLICABLE STANDARDS

The equipment shall comply with the latest editions of the following standards:

- 2.1** IEC 62040-1
- 2.2** IEC 62040-2

- 2.3** IEC 62040-3
- 2.4** ISO 9001
- 2.5** ISO 14001
- 2.6** Equivalent internationally recognized standards shall also be acceptable.

3. UPS SYSTEM REQUIREMENTS

3.1 UPS Topology

- 3.1.1** True Online Double Conversion type
- 3.1.2** VFI-SS-111 classification as per IEC 62040-3
- 3.1.3** Suitable for mission-critical applications and non linear loads
- 3.1.4** Suitable for continuous 24 × 7 × 365 operation
- 3.1.5** No other topology shall be acceptable.
- 3.1.6** No scheduled shutdown or cooling-down period shall be required.

3.2 Converter Design

- 3.2.1** The UPS shall be of transformer-free design.
- 3.2.2** No transformer shall be employed in the normal rectifier-inverter power conversion path.
- 3.2.3** If the bidder considers any isolation transformer necessary to achieve specified performance, interoperability or protection requirements, the same shall be clearly identified and included in the bid with full technical justification.

3.3 Power Semiconductor Technology

- 3.3.1** The rectifier and inverter shall utilize:
 - 3.3.1.1** IGBT technology
 - 3.3.1.2** PWM conversion technology
 - 3.3.1.3** Active front-end rectifier design
- 3.3.2** The specified input power factor and harmonic performance shall be achieved without external harmonic filters.

3.4 Control Technology

- 3.4.1** The UPS shall be DSP controlled and microprocessor based.
- 3.4.2** The system shall employ non-volatile flash memory for storage of operating software and parameters.
- 3.4.3** Control architecture shall be designed to eliminate single points of failure.

3.5 Rated Capacity

- 3.5.1** UPS Capacity: Minimum 250 kW
- 3.5.2** Output Power Factor: Unity (1.0)
- 3.5.3** The UPS shall continuously deliver full rated output power without derating.

3.6 Modular Architecture

- 3.6.1** The UPS shall be of fully modular construction.
- 3.6.2** Each power module shall be independently hot swappable, removable without shutdown of

the UPS, without interruption of critical load, and without transfer of load to bypass.

3.6.3 Each power module shall contain: Dedicated controller, full-rated rectifier, full-rated inverter, battery charger, and protection circuitry.

3.6.4 Power module rating shall not be less than 50 kW.

3.6.5 Maximum power module rating shall not exceed 100 kW.

3.7 Reliability

3.7.1 There shall be no single point of failure at UPS system level.

3.7.2 The UPS shall support minimum N+1 redundancy, automatic fault isolation, and automatic redundancy management.

3.7.3 Failure of any single component shall not interrupt supply to the critical load.

3.8 Scalability

3.8.1 The UPS frame shall permit future capacity expansion through addition of power modules in free space without replacement of the complete UPS frame.

4. STATIC BYPASS SYSTEM

4.1 The UPS shall be provided with a fully rated static bypass system.

4.2 The static bypass shall satisfy the following operational criteria:

4.2.1 Be rated for continuous operation at 100% of UPS capacity.

4.2.2 Be modular in construction.

4.2.3 Be hot swappable.

4.2.4 Permit replacement without shutdown of the UPS.

4.2.5 Permit replacement without interruption of critical load.

4.3 Automatic transfer to bypass shall be provided under overload or internal fault conditions.

5. MAINTENANCE BYPASS

5.1 A centralized integrated maintenance bypass arrangement shall be provided as standard within the UPS enclosure.

5.2 No external maintenance bypass panel shall be required.

5.3 The maintenance bypass shall permit complete isolation of the UPS system while maintaining continuity of supply to the critical load through the bypass source.

5.4 The transfer arrangement shall be make-before-break.

6. INTEGRATED BREAKERS

6.1 The UPS shall be supplied complete with integrated and coordinated protection devices including:

6.1.1 Input breaker

6.1.2 Output breaker

6.1.3 Static bypass breaker

6.1.4 Maintenance bypass breaker

6.2 Breakers shall be accessible from the front of the UPS enclosure.

7. INPUT CHARACTERISTICS

- 7.1 Input Voltage: 415 V AC $\pm 15\%$, 3 Phase, 4 Wire
- 7.2 Input Frequency: **50 Hz $\pm 15\%$**
- 7.3 Input Power Factor: ≥ 0.99
- 7.4 Input Current Harmonic Distortion (THDi): $\leq 3\%$ at full load
- 7.5 The specified THDi performance shall be achieved without external harmonic filters.

7.6 Generator Compatibility

- 7.6.1 The UPS shall be fully compatible with diesel generator operation.
- 7.6.2 The UPS shall not require derating during operation on a suitably rated generator source.
- 7.6.3 No external harmonic filters, power conditioning equipment or special interface devices shall be required.
- 7.6.4 The UPS shall provide programmable rectifier walk-in functionality.

8. OUTPUT CHARACTERISTICS

- 8.1 Output Voltage: 415 V AC, 3 Phase, 4 Wire
- 8.2 Voltage Regulation:
 - 8.2.1 $\pm 1\%$ for balanced load
 - 8.2.2 $\pm 3\%$ for 100% unbalanced load
- 8.3 Frequency Stability: $\pm 0.1\%$ in free-running mode
- 8.4 Output Voltage Distortion:
 - 8.4.1 $\leq 1\%$ for linear load
 - 8.4.2 $\leq 3\%$ for non-linear load
- 8.5 Crest Factor Capability: Minimum 3:1
- 8.6 The UPS shall be capable of supplying highly non-linear loads without derating.

8.7 Overload Capability

- 8.7.1 The system shall achieve the following minimum thresholds:
 - 8.7.1.1 110% load for 60 minutes
 - 8.7.1.2 125% load for 10 minutes
 - 8.7.1.3 150% load for 1 minute

8.8 Short Circuit Capability

- 8.8.1 The UPS shall provide adequate short-circuit current capability and protection coordination for or downstream protective devices.

9. ENERGY EFFICIENCY

- 9.1 Online Double Conversion Efficiency: **Greater than or equal to 97%, Greater than 95% for 50% load**
- 9.2 Eco Mode Efficiency: Minimum 99%
- 9.3 **Efficiency values shall be supported by certified IEC 62040 test reports for the specific load.**

10. DC BUS CAPACITORS

10.1 Minimum design life shall be 10 years under rated operating conditions.

11. BATTERY SYSTEM

11.1 Battery Type: VRLA / SMF Batteries/shall also support Lithium ion battery.

11.2 **Battery bank supplied shall be with SMF battery and shall be sized to provide a minimum of 30 minutes autonomy.** Dual string battery bank with separate breaker for each bank

11.3 Battery sizing calculations shall be for 200 kW and shall consider:

11.3.1 End cell voltage

11.3.2 Battery aging factor

11.3.3 Design margin

11.4 Battery racks shall be powder-coated steel construction.

11.5 All battery interconnections, earthing, identifications etc shall be included.

11.6 A dedicated battery disconnect breaker shall be provided for each bank.

12. MONITORING AND COMMUNICATION

12.1 The UPS shall include a control interface comprising:

12.1.1 Color LCD touchscreen HMI minimum 5 inch

12.1.2 Event log

12.1.3 Alarm log

12.1.4 Historical records

12.1.5 Password protected access

12.2 Communication protocols supported shall include: SNMP, Modbus TCP/IP, Modbus RTU, BACnet, and Ethernet. Hardware for the same shall be provided.

12.3 The UPS shall be fully compatible with BMS and DCIM systems.

13. INTEGRATION WITH EXISTING UPS SYSTEM

13.1 The proposed UPS shall be integrated with the existing UPS installation available at site. The UPS is Eaton make modular UPS 93PR 200kVA.

13.2 The bidder shall carry out a detailed site survey and submit an integration scheme for approval. It is proposed to connect one output of the 250 kVA UPS being quoted to the bypass of the existing 200 kVA UPS.

13.3 The UPS system configuration shall support:

13.3.1 Normal independent operation of both 200 kVA ups and proposed 250 kVA UPS feeding the loads independently.

13.3.2 Support seamless transfer of load the existing UPS to the proposed 250 kVA UPS in event of Eaton UPS in bypass operation. The total combined load will be limited to 250 KVA.

13.4 The bidder shall provide all hardware, software, synchronization equipment, communication interfaces, breakers, interlocks and accessories required for successful integration. 50 meter armored cabling along with adaptor box and flexible interconnection shall be considered in the scope of this interconnection.

13.5 Successful demonstration of interoperability and load transfer shall form part of Site Acceptance Testing.

13.6 The bidder shall Supply along with the UPS a UPS output panel. The UPS output panel shall be an electrical panel with 630 A, 4 pole MCCB with indicator and meter as incomer and 400 A, 3 Pole MCCB-3 numbers as outgoing. The panel shall be Aluminum bus bar and suitable cable alley, MCCB spreaders etc. and wall/floor mounting. UPS to UPS output panel interconnection shall be in bidder's scope.

14. LOAD-BANK-FREE CAPACITY TESTING

14.1 The UPS shall provide an inbuilt, regenerative or software-assisted facility to perform capacity testing without the use of external load banks.

14.2 The facility shall permit verification of UPS performance during commissioning and maintenance.

15. ENVIRONMENTAL CONDITIONS

15.1 Operating Temperature: 0°C to 40°C without any duration.

15.2 Relative Humidity: Up to 95% non-condensing

15.3 Altitude: 1000 m above mean sea level without derating

15.4 Protection Class: Minimum IP20

16. TESTING AND COMMISSIONING

16.1 The bidder shall perform the following pre-commissioning tests and scope validations:

16.1.1 Installation inspection

16.1.2 Functional testing

16.1.3 Battery testing

16.1.4 Alarm testing

16.1.5 Communication testing

16.1.6 Redundancy testing

16.1.7 Static bypass testing

16.1.8 Maintenance bypass testing

16.1.9 Synchronization testing

16.1.10 Load transfer testing

16.1.11 Interoperability testing

17. SITE ACCEPTANCE TESTING (SAT)

17.1 A comprehensive Site Acceptance Test (SAT) shall be conducted in the presence of the Purchaser's authorized representative.

17.2 The SAT shall include validation of:

17.2.1 Installation quality

17.2.2 UPS operation

17.2.3 Redundancy operation

17.2.4 Static bypass operation

17.2.5 Maintenance bypass operation

17.2.6 Battery system operation

- 17.2.7** Alarm functions
- 17.2.8** Communication functions
- 17.2.9** Synchronization functions
- 17.2.10** Existing UPS integration
- 17.2.11** Load transfer operation

17.3 All test results shall be documented.

17.4 Test reports shall be jointly signed by the bidder and purchaser representatives.

17.5 Commissioning shall be considered complete only after successful completion of SAT and issuance of commissioning certificate.

18. DOCUMENTATION

18.1 The bidder shall submit the following design records and engineering files:

- 18.1.1** General arrangement drawings
- 18.1.2** Single line diagrams
- 18.1.3** Wiring diagrams
- 18.1.4** Cable schedules
- 18.1.5** Foundation details
- 18.1.6** O&M manuals
- 18.1.7** Type test reports
- 18.1.8** Routine test reports
- 18.1.9** Factory inspection reports
- 18.1.10** Warranty certificates
- 18.1.11** Battery sizing calculations

20. SPARES SUPPORT

20.1 The OEM shall guarantee availability of spare parts in India for a minimum period of **15 years from date of supply**.

20.2 A written OEM undertaking shall be submitted alongside the technical response.

21. ELIGIBILITY CRITERIA

21.1 OEM / Authorized Channel Partner

21.1.1 The bidder shall be either:

- 21.1.1.1** The Original Equipment Manufacturer (OEM); or
- 21.1.1.2** An authorized channel partner of the OEM.

21.1.2 In the case of an authorized channel partner, a valid OEM authorization certificate specifically issued for this tender shall be submitted along with the bid.

21.1.3 The authorization shall clearly confirm OEM support for supply, installation, commissioning, warranty obligations and after-sales service.

21.2 OEM Proven Track Record

21.2.1 The OEM shall have a proven track record of supplying modular UPS systems for mission-c

ritical applications.

21.2.2 A minimum of **200 (two hundred) installations of the same UPS model offered, each rated 200 kW or above, within India**, shall have been successfully commissioned in mission-critical applications such as data centres, healthcare institutions, BFSI facilities, defence establishments, infrastructure projects or industrial facilities. A minimum of **20 installations of modular UPS of minimum 100 kVA in Kerala** in last 5 year in Kerala.

21.2.3 Installations of different UPS models, smaller capacities or non-modular UPS systems shall not be considered for compliance.

21.2.4 The OEM shall submit the list of installations along with details.

21.3 OEM Experience

21.3.1 The OEM shall possess a minimum of ten (10) years of experience in the design, manufacture, testing and operations of solid-state UPS systems.

21.3.2 The OEM shall submit supporting documentation establishing the duration of UPS manufacturing operations.

21.4 Indian Service Infrastructure

21.4.1 The OEM shall maintain a dedicated, factory-trained field service organization within India.

21.4.2 Technical support services shall be available on a 24 × 7 × 365 basis.

21.4.3 There shall be **direct OEM staff and service office with essential spare stocks in Kerala**.

21.4.4 Details of service centres, service personnel and escalation procedures shall be submitted with the bid.

21.5 Performance Certificates

21.5.1 The bidder shall submit a minimum of **five (5) satisfactory end-user performance certificates in Kerala** or completion certificates for UPS installations of 200 kW or above in mission-critical applications in Kerala.

21.5.2 The certificates shall comply with the following structural rules:

21.5.2.1 Be issued by the end user.

21.5.2.2 Be on the end-user's official letterhead.

21.5.2.3 Clearly indicate UPS rating.

21.5.2.4 Clearly identify the installation location.

21.5.2.5 Confirm satisfactory operation.

21.5.3 Certificates from data centres, healthcare institutions, BFSI facilities, defence establishments, infrastructure projects, utilities or industrial facilities shall be acceptable.

21.6 Spare Parts Availability

21.6.1 The OEM shall provide a written undertaking guaranteeing availability of all spare parts in **India for a minimum period of fifteen (15) years from the date of supply**.

21.6.2 The undertaking shall be structured as follows:

21.6.2.1 Issued on OEM letterhead.

21.6.2.2 Signed by an authorized signatory of the OEM.

21.6.2.3 Submitted as part of the technical bid.

21.6.3 Failure to submit the undertaking shall render the bid non-responsive.

22. DOCUMENTS TO BE SUBMITTED WITH BID

22.1 The bidder must compile and submit the following documents exactly as specified:

- 22.1.1** Detailed technical datasheet.
- 22.1.2** Compliance statement against tender specification as per sheet enclosed
- 22.1.3** Type test certificates as per IEC 62040.
- 22.1.4** IEC compliance certificates.
- 22.1.5** ISO certificates.
- 22.1.6** OEM authorization certificate.
- 22.1.7** Warranty undertaking.
- 22.1.8** Spares availability undertaking.
- 22.1.9** Installation reference list.
- 22.1.10** Performance certificates.
- 22.1.11** Integration compliance statement.
- 22.1.12** Battery sizing calculations.
- 22.1.13** GA drawing.
- 22.1.14** Bill of materials.
- 22.1.15** Detailed architecture of proposed system.

23. Buyback of Existing UPS Systems and Batteries

23.1. The bidder shall mandatorily quote for the buyback of the following existing equipment available at site:

23.1.1. One (1) No. 200 kVA Ketron make UPS system.

23.1.2. One hundred and eighty-six (186) Nos. 2 V, 400 Ah batteries along with all battery interconnecting links, connectors and associated accessories.

23.1.3. One (1) No. 160 kVA GE make SG Series UPS system.

23.2. The quoted buyback value shall be clearly indicated separately in the price bid.

23.3. The successful bidder shall be responsible for dismantling, removal, loading, transportation and lawful disposal of the above equipment from the site after successful commissioning and takeover of the new UPS system.

23.4. All costs associated with dismantling, handling, transportation and disposal shall be deemed included in the quoted buyback value.

23.5. The purchaser reserves the right to accept or reject the buyback offer, either wholly or partially, without assigning any reason.

BATTERY BEING CONSUMABLE IN NATURE SHOULD NOT BE COVERED UNDER CAMC TO ENSURE FAIR CHANCE TO ALL BIDDERS. PRICE OF THE BATTERY SHOULD BE MENTIONED IN PRICE FORMAT C SEPARATELY.

A	Bidders are advised to quote prices as per technical specification. However detailed breakup of quoted prices should be provided in Price Format - A uploaded in the prescribed place (Financial Document Required) on online GeM portal. The prices quoted in the prescribed field on GeM portal will be considered for ranking purpose. Total price quoted in Price Format - A must match with the price quoted in GeM portal. Bidders should not include price elements in the technical bid. The Price Formats A, B, C, D and E to be submitted along with financial bid only. If any of the price components is disclosed in the technical bid, the bid will summarily be rejected and the bidder will be DISQUALIFIED from further bidding process.
B	The Bidders are advised to quote price of Spare parts, Consumables in the attached format "B" and "C" accordingly and uploaded the same in the prescribed place (Financial Document Required) on online GeM portal. The equipment should be supported with spares for a minimum period of 10 years after successful installation and commissioning." All the spares and consumables required for the equipment should be made available through GeM throughout the agreed supporting period".
C	The three years warranty sought for is OEM/bidder free warranty without any additional cost towards extended warranty to fulfil the tender condition. The charges, if any, claimed by the bidder towards warranty in this regard and included in the product cost in Price Format -A should be mentioned in the price format D also, and uploaded the same in the prescribed place (Financial Document Required). This warranty charges shall not be considered for calculating actual CAMC value to be payable after warranty period. Where the total cost does not include such warranty charges, the bidder shall submit a declaration- "Certify that the Equipment/accessories quoted in the bid is having OEM/bidder free warranty of three years and the total cost quoted in the bid does not include any warranty charges to fulfil the tender condition of three year warranty". This declaration shall be furnished along with the Technical bid in format H. False declaration may lead to rejection of bid. In the case of agents quoting on behalf of their foreign principal, proforma invoice from the OEM (Foreign principal company) indicating the nature of after sale service including warranty condition and commission payable to the Indian agent shall be furnished along with the price bid.
D	i. As per the Institutes general policy, the maximum CAMC charges after warranty period will be 5% of the cost of the equipment. However the bidders can quote CAMC charges in the range of 3 to 10 % of the cost of equipment, depending on the nature of equipment to be maintained. ii. The CAMC charges shall be quoted in percentage rate in GeM bid and escalation in CAMC charges shall be allowed at maximum 5% after every three years of CAMC. iii. This CAMC charges at Net Present Value shall be taken into account for arriving the lowest responsive bidder. The actual CAMC value to be payable after warranty period shall be separately worked out based on the "Cost of the equipment for CAMC calculation" and shall be furnished in "Format -E" and uploaded the same in the prescribed place (Financial Document Required). iv. The year wise rate percentage of CAMC quoted in the bid for L1 evaluation should be used for calculating the actual CAMC value. v. The "cost of the equipment for CAMC calculation" shall not include additional warranty cost (if any), cost towards Installation, Commissioning and Testing (in addition to the original equipment cost of the OEM), cost of transportation, including import customs duty, Agency commission, any specific excluded items from CAMC as per the tender condition and GST included in the product cost quoted. vi. The cost of the equipment for CAMC calculation shall be mandatorily furnished in format D.
E	The warranty and CAMC condition as given above should be applicable for the third party items, if any supplied. The successful bidder shall furnish the agreement executed in this regard with the third parties as and when called for. The genuineness of price quoted for the equipment / accessories are very important and this price shall not be loaded with any other cost. A declaration in this regards shall be furnished along with technical bid in format H

F	The successful bidder shall enter into CAMC 3 (three) months prior to the completion of warranty period. The CAMC will commence after the date of expiry of warranty period from the date specified in the work order and as per the terms and conditions issued in this regard, which will be treated as the first year of CAMC. This tender will form part of the CAMC work order.
G	Penalty clause: 1. Delay in Delivery: If the supplier fails to deliver or install/commission any or all of the goods or fails to perform the services within the time frame(s) incorporated in the Purchase Order, the Purchaser shall, without prejudice to other rights and remedies available to the Purchaser under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods, installation, commissioning and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached Purchaser may consider termination of the contract. If any delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions: I. Imposition of liquidated damages, II. Forfeiture of its Performance Security and III. Termination of the Contract for default 2. Performance (during Warranty period) Supplier should ensure uninterrupted service delivery of the equipment or product during the warranty period. In this regard following conditions also may be noted: I. In case of failure of equipment or its components, breakdown call has to be attended within 48 hours of intimation. II. The defect should be rectified within two days after the call is attended, failing which replacement or standby equipment should be provided for uninterrupted services. III. In case of non-adherence to clause (a) or (b) above, downtime penalty will be realised a sum equivalent either the repairing charges met by the Institute to set right the equipment or 0.5 percent per day of cost of the equipment, whichever is higher, from the date of report of breakdown by way of deductions from SD/Performance Bank Guarantee. IV. The time spent on the repair work will be added to the warranty period of the equipment. 3. Performance (during CMC/AMC period): i. Uptime means 95 percent of total days in a year during which the equipment remains functional. II. Down time means any shortage in achieving the up-time III. Down time penalty will be levied as per following terms and condition: IV. In the case of CMC, it shall be the responsibility of the service provider to set right the equipment and avoid downtime. Down time penalty will be imposed @ 0.5 percent of contract value per day from the service provider. V. In case auxiliary units/components attached to the main equipment undergoes failure and the main equipment provides uninterrupted services, down time penalty will be imposed @ 0.1 percent of contract value per day per auxiliary unit from the service provider. VI. Service provider should ensure rectification of defect of equipment within a reasonable period in the case of Labour Annual Maintenance Contract. In case break down is not attended within 48 hours of intimation, down time penalty will be imposed @ 0.5 percent per day of contract value from the service provider.

H	<u>Qualification criteria</u> The bidder must be a manufacturer or their authorized agents having a place of business in any state of India are eligible to participate in this bid. The bidders should submit "Manufacturer's Authorization Form" for each items quoted and shall be submitted along with technical bid, as per the format enclosed in the bid document (Format "F"). MII declaration should be furnished in the attached format along with bid document "Format G". The declaration shall be certified by the statutory auditor or cost auditor.
I	Bidders may please be read as uptime warranty as 95 % instead of 98 % as per bid terms and conditions.
J	SCTIMST reserves the right to ask for a free demonstration of the quoted equipment/ items after giving reasonable time to the bidder at a pre-determined place acceptable to the purchaser or at a site (in case of non-portable and heavy equipment) for evaluating the technical compatibility as per the bidding document specifications, professionalism and quality of work of the bidder for technically qualifying for opening the Price Bid. SCTIMST reserves the right to accept/ reject the bid based on the product/ site evaluation as stated above.
K	List of documents to be attached along with bid. Technical Bid - Format F, G and H Price bid - Format A, B, C, D and E
L	On-site installation required.
M	For all disputes arising out of this contract the legal jurisdiction will be Thiruvananthapuram.
N	Payment Term 100% payment will be paid after satisfactory installation and commissioning of equipment along with submission of "Installation Report" to be issued by user department and DCE
O	Competent authority reserves right to terminate the tender at any stage of its process without assigning any reasons. The company will not be entitled to claim any compensation against such termination.
P	Company should possess a valid CDSCO license to sell the equipment in India (Import or Indigenous). Copy of the same should be provided along with the tender document.

9. Buyer Added Bid Specific ATC

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

10. Rate Contract

Demurrage charges In case the rejected items are not lifted by the firm within 48 hrs, the demurrage charges at the rate of 0.5% of total contract value will be charged per day. In case the items are not lifted within a month, the same will be destroyed by the station board of officers and no claim will be admitted. Demurrage charges. In case the rejected items are not lifted by the firm within 48 hrs, the demurrage charges at the rate of 0.5% of total contract value will be charged per day. In case the items are not lifted within a month, the same will be destroyed by the station board of officers and no claim will be admitted.

11. Rate Contract

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.

12. Rate Contract

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

13. Rate Contract

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 %.

14. 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.

15. Generic

Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

16. 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

DIRECTOR, SCTIMST
payable at
THIRUVANANTHAPURAM

. 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.

17. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

DIRECTOR, SCTIMST
A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

18. 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.

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

Additional Clause For Comprehensive Maintenance Charges

1. CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months or as per user requirement. Cost of consumables shall not be included in CMC. Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period

by double the downtime period.

2.CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.

3.GST shall be included in the CMC Charges quoted.

4.Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula.A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.

5.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user.

6.While creating a bid or RA, buyers shall indicate whether CMC is required against Yes/No” options. If CMC Charges are included, an option for number of years for CMC required after the warranty period shall be available.Under this option up to 15 years can be chosen for CMC charges beyond warranty period.

7.In case the bid has a provision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore advised to include the cost of Comprehensive Warranty including spares (excluding consumables) also in product Cost.

8.The CMC functionality shall be available in bid only and no direct RA shall be applicable.In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

8.1.Buyer shall indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category parameters for the equipment. No. of years of warranty indicated here shall supersede the warranty period indicated elsewhere in bid or product specifications. The Seller while participating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable, if 5 year CMC selected:

CMC charges for 1st year after warranty period- Percentage to be indicated- A1

CMC charges for 2nd year after warranty period- Percentage to be indicated- A2

CMC charges for 3rd year after warranty period – Percentage to be indicated- A3

CMC charges for 4th year after warranty period – Percentage to be indicated- A4

CMC charges for 5th year after warranty period – Percentage to be indicated- A5

Similarly, A6 to A15 are to be indicated for 6th to 15th year of CMC if applicable.

8.2.The calculation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3.In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below includingCMC and then show the inter-se-ranking of the bidders. The following are the variables

(i) Number of years for which CMC required.

(ii) Number of years of product warranty

The formula for calculating total cost including CMC charges shall be as under:

Total Cost for evaluation=

$C + C * \{ (A1/100)/(1.10^n) + (A2/100)/(1.10^{n+1}) + (A3/100)/(1.10^{n+2}) + (A4/100)/(1.10^{n+3}) + (A5/100)/(1.10^{n+4}) \}$ and so on

C – Cost for equipment quoted and n shall be number of years of product warranty specified.

If 2 year warranty specified, n shall be 2 and if 5 year warranty specified, n shall be 5. A1,A2, A3, A4& A5 shall depend on how many years CMC selected. For 3 year CMC, only A1,A2 and A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4.CMC charges offered for each subsequent year should be same or higher than preceding year.

8.5.The CMC charges shall be offered within range of 3 to up to 50% of cost of equipment as defined by buyer.

9.Since CMC charges are to be paid only later for each year during CMC period,applicable performance guarantee amount after placement of contract shall be based on the cost of equipment excluding the cost of CMC Charges.

10.Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 10% as specified in bid on total CMC Charges.The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification.Bank guarantee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit the PBG or does not provide services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11.In case of splitting of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis.The equipment cost and CMC charges (year to year) shall be matched individually.

12.The CMC Contract shall be an offline contract to be handled by buyer.The payment of CMC will be made on

quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

13.CMC Charges are inclusive of all the charges for Transportation, Lodging, Boarding, all insurances including third party insurance and all other incidental charges. The same shall include GST. The prices also include cost of spares and damaged parts. Purchaser does not have any liability, whatsoever, over and above the cost of CMC. It also includes for arranging hand tools & tackles, special tools etc. required to carry out the work.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and
- All operative provisions of the erstwhile Labour Laws until their complete substitution.

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---