



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/4883581
Dated/दिनांक : 26-04-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	14-05-2024 14:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	14-05-2024 14:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Finance
Department Name/विभाग का नाम	Department Of Financial Services
Organisation Name/संगठन का नाम	State Bank Of India (sbi)
Office Name/कार्यालय का नाम	Local Head Office Mumbai Metro
Total Quantity/कुल मात्रा	2
Item Category/मद केटेगरी	Online UPS (V2) (Q2)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	10 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	10 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,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
Past Performance/विगत प्रदर्शन	80 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No

Bid Details/बिड विवरण	
Comprehensive Maintenance Charges Required	Yes
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Estimated Bid Value/अनुमानित बिड मूल्य	2000000
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	20000

ePBG Detail/ईपीबीजी विवरण

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

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

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

Beneficiary/लाभार्थी :

AGM
LOCAL HEAD OFFICE MUMBAI METRO, Department of Financial Services, State Bank of India (SBI), Ministry of Finance
(State Bank Of India)

Splitting/विभाजन

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

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. 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 above 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. Experience Criteria: In respect of the filter applied for 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 number of Financial years as indicated above in the bid document 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 Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. 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.
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.

5. 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% (Selected by Buyer)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 25%(selected by Buyer) percentage of total QUANTITY.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.
 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. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Online UPS (V2) (2 pieces)

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

Technical Specifications/तकनीकी विशिष्टियाँ

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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Generic	Rating in KVA	40.0 KVA
	Switching Technology	IGBT-PWM
	Input Voltage	AC Three phase 300 V - 450V sinewave 50Hz
	Output Voltage	AC 3 phase 415V having a variable setting the range starting from 380 volt - variable upto to 415 volt.
	Warranty for UPS (Years)	3, 4, 5 Or higher
Battery/Backup Bank	Battery/Backup Bank Provided with Online UPS (Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021)	With Battery
	Type of Battery (hint: NA in case Battery not provided)	SMF-VRLA conforming to JISC:8702(Pt.I,II&III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest
	Backup time (Minutes) (hint: NA in case battery not provided)	60 Minutes
	Minimum Guaranteed VAH	1600 X Per KVA X Per hour of backup time

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Warranty for battery (Years) by Battery Manufacturer/Brand hint: NA in case battery not provided	2, 3 Or higher
Installation and Commissioning or Service	Installation and Commissioning (Covered in the Scope of Supply)	Provided
	After sales service (Turn Around Time)	Within 24 hours, Within 48 hours
	Preventive Maintenance (Hint: Mention Timeline if provided, NA if not provided)	Monthly, Bi-Monthly, Quarterly Or higher
	Other Services provided	PAN India service support on 24 x 7 basis, AMC support available warranty, Availability of spares in close proximity (Spares should be easily available close to the site), NA
Performance / Functional	Inbuilt isolation transformer	With
	Overall Efficiency (%)	>/=94% without Inbuilt isolation transformer
	Overload limit	20% Overload for minimum 5 minute, 50% Overload for minimum 3 seconds
Accessories	Accessories	Rack for Batteries, Cabling 6 meters (input upto 3m and output upto 3m), Paralleling kit for synchronizing (Parallel Redundant Load Sharing Configuration), SNMP Card (with Suitable Software) for communication, The UPS shall be complete with Trolley for battery bank,battery, Cables and connectors etc, NA
Salient Features	Protection	Protection for under voltage at battery terminal, Protection of Over voltage, Short Circuit & over load at UPS output terminal, Over temperature protection
	Metering	Input Voltage, Output Voltage, Input Current, Output Current, Input Frequency, Output Frequency, Input Power, Output Power, Input Power Factor, Output Power Factor, Battery Voltage and Current
	Alarms and Indications	Indicator for Mains presence, Indicator for Battery charging and discharging, Indicator for Output Over Load with Audible Alarm, Indicator for Low Battery Voltage with Audible Alarm, Alarm for Over temperature, Alarm for Low Battery
Design / Construction	Type of Design / Construction	Floor Standing
Buyer Specific Requirement	Battery Test Report	Type Test Report as per relevant governing specifications from Govt Lab/NABL accredited lab

Comprehensive Maintenance

Warranty of required product	3 Year
Comprehensive Maintenance Duration (Post Warranty)	5 Year

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

Additional Specification Parameters - Online UPS (V2) (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Third Party Test Certificate from Any NABL approved Lab should be provided.	Proof should be attached.
Service local Centre in Mumbai should be available.	Proof should be attached.
All card replacements, battery replacements, breakdown call should be attended on site.	Response time in Mumbai should be <24hours Resolution time should be < 48 hours
Inbuilt parallel kit with UNITY POWER FACTOR	isolation transformer should be at output side.
Any third-party service will not be accepted.	Only OEM and its authorized dealers service will be accepted.

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

Installation Commissioning and Testing (ICT) details for the above item:

% of Product Cost Payable on Product Delivery	70%
Min Cost Allocation for ICT as a % of product cost	25%
Number of days allowed for ICT after site readiness communication to seller	15 Days/दिन

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
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S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Ramkishan Kumar Sinha	400051,STATE BANK OF INDIA, SYNERGY, C-6, G BLOCK, BANDRA KURLA COMPLEX BANDRA EAST, MUMBAI 400051	2	90

Special terms and conditions-Version:1 effective from 06-07-2022 for category Online UPS (V2)

- In addition to General Terms and Conditions of GeM, the following Special T&C shall be applicable for Online UPS (Version 2.0) with reference to Installation and Commissioning.

Seller's Responsibility: Installation and Commissioning shall involve all the interconnections, any cabling between power source, switch boards within 3 metre range for input power and connecting Output power in the Scope of seller.

Buyer's Responsibility: Buyer will ensure well ventilated/covered site/room having requisite power points/distribution board to provide input power to UPS as well as to take out power from UPS within 3 metre of the location of UPS placement.

The above is not applicable for the stores supplied without installation and commissioning.

Note: The above is indicative and any incidental requirement related to above responsibilities shall also be considered in the responsibilities of Buyer/Seller as applicable.

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

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. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

No 31, GF, Mahal Industrial Estate,
Off Mahakali Caves Rd,
near Paper Box, Andheri East,
Mumbai, Maharashtra
Jitendra Manohar Meshram : 8308844464, Ramkishan Sinha 9158002461

3. 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 5 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

4. 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 %.

5. **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.

6. **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.

7. **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

8. **Generic**

OPTIONAL SITE VISIT:

1. The Bidder is advised to visit and examine the installation site and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid. The costs of visiting the site shall be borne by the Bidder.

totally

2. The Bidder representative shall be allowed entry upon consignee premises for such visits, only upon the express conditions that the Bidder will release and indemnify the Buyer and Consignee against all liabilities arising out of such visit including death or injury, loss or damage to property, and any other loss, damage, costs, and expenses incurred as a result of such visit.

3. The Bidder shall not be entitled to hold any claim against Buyer for noncompliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the Bidder to obtain all the necessary information with regard to site, surrounding, working conditions, weather etc. on its own before submission of the bid.

9. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

10. **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.

11. **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)

12. **Service & Support**

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

13. Service & Support

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

14. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

State bank of india
payable at
mumbai

. Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

15. 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

State bank of india
payable at
mumbai

. 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.

16. Buyer Added Bid Specific ATC

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

17. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

Typical technical specifications for on-line UPS system of 40 KVA

1.	Technology	UPS system with pulse width modulation (PWM) technology in true on-line configuration, with double conversion using IGBTs in the inverter and converter. Provision for configuration of Two UPS system in parallel load sharing mode.
2.	Inversion technique	Adaptive pulse width modulation or sine weighted pulse width modulation with high switching frequency (> 12 KHZ for IGBTs)
3.	Input voltage range	(i) Three phase 415volts + 15 % and -30% There should be input to output isolation through an in-built isolation transformer
4.	Input frequency	45 Hz to 55 Hz and it should be compatible with DG set

5.	Nominal DC voltage				
6.	Output Voltage	415 V. A.C. 3 phase input & 3 phase output.			
7.	Output Frequency	50 Hz +/- 4 % synchronous to mains 50 Hz +/- 1 % Free running			
8.	power factor	The UPS should be provided with auto input p.f. correction system to obtain p.f. 0.95 to unity when the connected load p.f. varies from 0.6 to unity.			
9.	Total harmonic distortion (o/p voltage)	< 4 % for non-linear load Less than 2 % for linear load			
10.	harmonic distortion (input current)	≤ 10 % at 100 % load			
11.	Waveform Output	Sine wave			
12.	Overload capacity	<table border="1"> <tr> <td>120 % for 5 min.</td> <td rowspan="2">During the test or in actual condition, the load should not get transferred to mains through static switch</td> </tr> <tr> <td>150 % for 3 sec</td> </tr> </table>	120 % for 5 min.	During the test or in actual condition, the load should not get transferred to mains through static switch	150 % for 3 sec
120 % for 5 min.	During the test or in actual condition, the load should not get transferred to mains through static switch				
150 % for 3 sec					
13.	Transient response and voltage recovery time for step load	For 100 % step load i.e. from full load to no load and no load to full load Dip < 3 %, peak < 3% with recovery time within 3 cycles to normal output voltage			
14.	Efficiency	Overall ≥91.5% ± 1 i.e. between 90.5 & 92.5 % at full load, 90% ± 1 at 66% load & 88% ± 1 at 33 % load			
	Efficiency:	It is the ratio of the Output power in KW of UPS to the input power to the isolation transformer & UPS with battery disconnected, or battery charging power added to the Output			
	Penalty:	Penalty for lower efficiency: if the overall efficiency is found to be less than the Bank's specified value, the UPS is to be rejected and replacement passing the test to be obtained. No further tolerance is permissible.			

15.	Rated KVA	The UPS should be capable to deliver rated KVA at 0.8 i.e 40 KVA UPS should be capable to deliver 32 KW at 0.8 p.f
16.	Operating temperature	Should be confined for delivering rated KVA at ambient temperature from 0 to 50 degree celcius. It should be capable to deliver approx. 80 % of rated output at 50 degree celcius ambient temperature.
17.	Relative humidity	Up to 95 % non- condensing at 35 degree celcius.
18.	Noise level	At 1 meter from the UPS ≤ 60 decibels for 40 KVA (on demand proto-type test certificate be submitted)
19.	Charger	Built in IGBT based solidstate float-cum-boost charger with automatic boost/ tricle charge mode with current limiting features. The charger characteristics will be such as to match the float/ boost charging of the batteries offered with each UPS. The charger should be designed for minimum 15 % of the total battery current.
20.	Crest factor	≥ 3
21.	Interface facility	The UPS system should have necessary hardware & software a) USB port to work on existing operating system. b) Remote manaibility through SNMP facility. There should be a facility to monitor & broadcast to all work stations, whenever necessary, condition such as:- i) Power failure : UPS working on batteries preferably to indicate a) Present load in percentage b) Time upto which batteries can support with present load (dynamic battery back up time) c) Warning well in advance of shut down of system. ii) The software should be capable of automatically closing the files (auto file closure features) so that the data / programme files on the computers are not lost/ corrupted.

22	Remote indication unit	In system / system administrator room with indications like Mains on, inverter ON/ OFF / faulty/ trip, Battery low & static bypass ON. 25 meters of inter connecting cable to be included in the price quoted.
23.	Protection	<ul style="list-style-type: none"> A. Isolation - separate / in- built isolation transformer shall be provided for fully isolation from mains and surge / spike suppressors to be incorporated. B. Current limiting protection (fuse less electronic). Built in overload / short circuit protection with snubber circuits for current limit. C. Soft start on inverter and charger arrangement. D. Over voltage / under voltage protection.(high speed) for device such as IGBTs. E. Short circuit protection through HRC fuses. F. short circuit / overload protection through MCB / MCCB. G. All other protection systems required for safety of UPS system, such as over temperature protection etc. H. Protection against earth leakage current by suitable protective devices like negative sequence current sensors / RCCBs.
24.	Static auto by-pass	<p>Bi directional with change over time less than 10 milli sec. in free running mode and instantaneous in synchronous mode from inverter to by-pass and vice-versa.</p> <p>Should be provided.</p>
(i).	Switch thyristor based	
(ii).	Manual by-pass switch	
25.	Indications	LED/LCB display to be provided mains on, battery on charge , battery low, inverter on, % load, on by-pass, over temperature etc.
26.	Alarm	<ul style="list-style-type: none"> i. low battery alarm to be provided ii. Mains failure / load on battery alarm to be provided. Both should be audio visual. iii. Over temperature alarm in two stages <ul style="list-style-type: none"> 1st stage : warning, intermittent audio alarm 2nd stage : tripping, continuous audio visual & resettable

26.	Metering	<p>Digital – panel meter or LCD display system to indicate the following –</p> <ul style="list-style-type: none"> i. A.C. voltage - input/output (each phase in case of 3 phase) ii. A.C. current - input/output (each phase in case of 3 phase) iii. % load iv. D.C. battery voltage v. D.C. CHARGING / DISCHARGING current vi. Frequency - input/output
27.	<p>Battery set</p> <p>a. SMF batteries</p>	<ul style="list-style-type: none"> i. complete with self standing cubicle or cabinet ii. Make like – exide/Panasonic/Numeric / Amaraja(Quanta) or equivalent. iii. Note: only valve regulated lead acid battery (VRLA) type SMF batteries of 20 HR rated capacity electrotype in paste form are acceptable. Any other type including calcium batteries are not acceptable. <ul style="list-style-type: none"> i. complete with stand

TESTING:

- i. The supplier shall have facilities to carry out all the tests at factory will have to be satisfactorily carried out before acceptance. A list of tests prescribed is enclosed in annexure E.
- ii. If the UPS does not conform to specifications either during factory test or at site, the Bank reserves the right to reject the same. The successful tenderer shall then have to remove at no extra cost to the Bank the same at his cost from site and supply a new piece conforming to the specifications.
- iii. Tests shall be carried out and certified by the manufacturer and by the agencies specified here under (a) SAMEER (b) ETDC (c) ERTL (d) CPRI (e) ERDA Vadodara (f) I.I.T.s, N.I.Ts etc.
- iv. The testing of UPS systems at the cost of UPS vendor, who will be required to arrange for all the requisite variacs, meters, loads etc. and carry out the tests through vendor's personnel in the presence of Bank's officials.

Place:

Date:

Applicants Signature

Stamp

TEST PARAMETERS

SR. NO.	Parameters to be measured	Bank's specification	Test results / remarks
1.	Technology		
2.	Nominal Input voltage		
3.	No load Input voltage range = voltage regulation		
4.	Input frequency range (on D.G. Set)		
5.	Input power factor		
6.	Inversion technique		
7.	Capacity		
8.	Output Voltage		
9.	Output Frequency		

10.	Distortion (o/p voltage) THD		
11.	CREST Factor		
12.	Static by pass switch		
13.	Wave form (output)		
14.	Efficiency		
15.	Indications		
16.	Alarm		
17.	Metering		
18.	DC Isolation between in put line & o/p line		
19.	Input current harmonics		
20.	Batteries		
21.	Rated KVA		
22.	Charger		
23.	Manual bypass switch		
24.	Transient response		
25.	Overload capacity 110 % & 150%		

We confirm that we comply with all the specifications mentioned above & the terms & conditions mentioned in the Tender Documents are acceptable to us.

Dated this day of 2024

(Signature)

(Name)

(In the capacity of)

Duly authorized to sign

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

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 within 4 days of bid publication on GeM. 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 10 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 A10 are to be indicated for 6th to 10th 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 including CMC 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 10% of cost of equipment.

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.

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

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./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 कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---