



**Reserve Bank of India
Estate Department
Bhubaneswar**

Notice Inviting e-Tender (NIT)

e-Tender for Design, Supply, Installation, Testing and Commissioning of 2X20 KVA Uninterrupted Power Supply System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar

e-Tender No - RBI/Bhubaneshwar/Estate/12/25-26/ET/306

1. This is an open e-tender enquiry. However, only those bidders/vendors who are qualified for the work as per pre-qualification/eligibility criteria stipulated in the tender are eligible to participate in this tender. Bidders are advised to upload the documents in support of their eligibility for the tender during the submission. The work is estimated to cost **₹13 lakhs** inclusive of all taxes and is to be completed within a period of **60 days from 14th day of date of letter of award of work.**

2. Eligibility Criteria:

(i) The firm should be Original Equipment Manufacturer (OEM) or Authorized dealer with valid Authorization letter having minimum 5 years of experience in the field of undertaking similar works viz., Design, Supply, Installation, Testing and Commissioning of Centralized UPS System in N+1 parallel redundant mode (20 KVA or higher rating) for Data Centers /Large financial Institutions/IT Complexes/Technology Parks/Multi-specialty Hospitals/similar organizations etc. The similar work should have been completed on or before June 30, 2020

And

(ii) Have executed successfully similar works (Design, Supply, Installation, Testing and Commissioning of UPS System) during the last five years ending on June 30, 2025, individually costing as under:

a) Three works each costing not less than the amount equal to 40% of the estimated cost

OR

b) Two works each costing not less than the amount equal to 50% of the estimated cost

OR

c) One work costing not less than the amount equal to 80% of the estimated cost,

And

(iii) Have a minimum yearly turnover of 100% of the estimated cost during the last 3 financial years ending March 31, 2024.

And

(iv) Should furnish Bankers 'certificate issued by the Applicant's banker specifically for the purpose of the work, for an amount equal to or greater than the estimated cost of the work (as per **Annexure – 'D'**).

And

(v) Have a service set up in Bhubaneswar for rendering after sales service provided with supporting documents viz., registration certificate, electricity bills, landline bills, rental agreements should be in the name of the OEM for the period of last one year.

3. The contractor should invariably furnish the below mentioned information in writing and upload copies of relevant documents along with Part I of the tender to satisfy the Bank about their eligibility for participating in the tendering process. Further, the contractor should submit the originals of the documents to the Bank when demanded to qualify for further tendering process.

(a)	Composition of the firm	Full particulars (whether contractor is an individual or a partnership firm or a company etc.) of the composition of the firm of contractors in details should be submitted along with the name(s) of the partners/ Directors, copy of the Memorandum / Articles of association/power of Attorney/any other relevant document.
(b)	Work experience and completion of similar works of specified value during the specified period	Copies of the detailed work orders for the qualifying works indicating date of award, value of awarded work, time given for completing the work, etc. and the corresponding completion certificates indicating actual date of completion and actual value of executed similar works should be enclosed in proof of the work experience. The details along with documentary evidence of previous experience if any, of carrying out similar works for the Reserve Bank of India at any center, should also be given.
(c)	Turnover	Audited financial statements for the last three financial years i.e., 2021-22, 2022-23 and 2023-24 along with a certificate of Chartered Accountant indicating the turnover of these financial years.
(d)	Creditworthiness of the contractor and their turnover	The latest final accounts of the business of the contractor duly certified by a Chartered Accountant should be enclosed in proof of their creditworthiness and turnover for last three years.
(e)	Name(s) and Address (es) of the Bankers and their present contract executives.	Written information about the names and address of their bankers along with full details like names, postal addresses, e-mail IDs, telephone (land and mobile) nos. fax nos. etc. of the contact executives (i.e., the persons who can be contacted at the office of their bankers by the RBI, in case it is so needed) should be furnished.
(f)	Details of bank accounts	Full particulars of their bank accounts like account no., type when opened, etc., should be given.
(g)	Name(s) and address(es) of the Clients and their	Written information about a few of their clients along with full details, like names, postal address, e- mail IDs, telephone (landline and mobile) nos. etc. of the contact executives (i.e., the persons who can be contacted at the

	present contract executives.	office of their clients by the Bank in case it is so needed) should be furnished.
(h)	Details of completed works	The client-wise names of work(s), year(s) of execution of work(s), awarded and actual costs (s) of executed work(s), completion time stipulated in the contracts(s) and actual time taken to complete the work(s), names and full contact-details of the officers/ authorities/ departments under whom the work(s) was/were executed should be furnished.

4. In the event of intending Tenderer's failure to satisfy the Bank; the Bank reserves the right to reject the bid submitted by them.

5. Tender documents will be available at MSTC website i.e., www.mstcecommerece.com/eproc on **July 17, 2025**. This e-Tender needs to be mandatorily filled up / online submission through MSTC website i.e., www.mstcecommerece.com/eproc. Deadline for filing up and submitting the e-Tender is by **14:00 Hrs. on August 25, 2025**. Part I of the e-Tender will be opened at **14:30 Hrs. on August 25, 2025**. Detailed guidelines on submission of the e-Tender by the firms have been mentioned in the Schedule of Tender (SOT). After scrutiny of part I of the e-Tender document along with the supporting documents, if any of the firms not found to possess the required eligibility, their e-Tenders will not be accepted by the Bank for further processing.

6. Tender documents in prescribed form shall be uploaded on MSTC website. Part-I of the tender will contain the Bank's standard technical and commercial conditions for the proposed work and Tenderers' covering letter. However, an EMD of **₹26,000/-** in the form of NEFT transfer (**The bank details for NEFT are A/c Name: Reserve Bank of India, Bhubaneswar; A/c Number: 186004001, IFSC Code: RBIS0BBPA01 (Please read 5th and 10th character of IFSC Code as "Zero")**), or a demand draft favoring Reserve Bank of India payable at Bhubaneswar or an irrevocable Bank Guarantee issued by a scheduled Bank in the Bank's standard proforma which is available in the tender form, needs to be submitted in person to Reserve Bank of India, Estate Department, Bhubaneswar – 751001, before **14:00 Hrs. August 25, 2025**. Demand draft/Bank Guarantee should be submitted in sealed cover super scribed "EMD for **E-Tender for Design, Supply, Installation, Testing and Commissioning of 2X20 KVA Uninterrupted Power Supply System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar**".

7. Part-II (Price bid) of the eligible Tenderers shall be opened on a subsequent date which will be intimated to the Tenderers in advance.

8. The applicants/tenderers have to upload the following documents on MSTC portal

- The Proof of remittance of EMD of ₹26,000/-
- Client's certificate - As per **Annexure 'C'**.
- Banker's certificate – As per **Annexure- 'D'**
- Format for undertaking Product & Maintenance Support – As per **Annexure 'E'**
- List of Clients – As per **Annexure 'F'**
- Details of similar qualifying works- As per **Annexure 'G'**
- Details of Service setup and complaint escalation matrix - As per **Annexure 'H'**

- h. Format for power of attorney for signing of proposal – As per **Annexure 'I'**
- i. Undertaking / Declaration / Certificate by the Bidder regarding country sharing land border with India – As per **Annexure 'J'**
- j. Undertaking regarding site visit by the Tenderer in order to understand the work - As per **Annexure 'K'**
- k. Undertaking regarding declaration of debarment by public institution(s)- As per **Annexure 'L'**
- l. Mandate Form - As per **Annexure 'M'**
- m. Information to be submitted by the Bidders - As per **Annexure 'O'**
- n. Proforma for Letter of Authorisation and Maintenance undertaking from the OEMs - As per **Annexure 'P'**

Note (Regarding client certificate):

In respect of Government Departments/Public sector Undertakings, the work certificates should be signed by the concerned Executive Engineer or an officer in an equivalent or higher rank.

In respect of Departments other than Government Departments/Public sector Undertakings, apart from the certificates mentioned above, the corresponding TDS certificates matching with the payments related to the work executed shall also be enclosed.

9. The Bank shall evaluate the said reports before evaluation of price bid of the e-Tenders. If any Tenderer is not found to possess the required eligibility for participating in the e-Tendering process at any point of time and/or his performance reports received from his clients and/or his bankers are found unsatisfactory, the Bank reserves the right to reject his offer even after opening of Part-I of the e- Tender. The Bank is not bound to assign any reason for doing so.

10. The Bank is not bound to accept the lowest e-tender and reserves the right to accept either in full or in part any e-Tender. The Bank also reserves the right to reject all the e-Tenders without assigning any reason there for.

**Regional Director
Estate Department
Bhubaneshwar**



**Reserve Bank of India
Estate Department
Bhubaneswar**

**e-Tender for
Design, Supply, Installation, Testing and Commissioning of 2X20 KVA Uninterrupted Power
Supply System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's
Main Office Building at Bhubaneswar**

**Part – I
(Techno commercial)**

e-Tender No- RBI/Bhubaneshwar/Estate/ 12/25-26/ET/306

Name of Tenderer: _____

Address: _____

Contact Details with email ID: _____

Date and time of Pre-bid meeting : At 11:00 Hrs. on August 13, 2025

Due date and time for Submission of tender : Up to 14:00 Hrs. on August 25, 2025

Date of opening of Part- I of tender : At 14:30 Hrs. on August 25, 2025

This document is the property of Reserve Bank of India (RBI). It may not be copied, distributed or recorded on any medium, electronic or otherwise, without the RBI's written permission thereof, except for the purpose of responding to RBI for the said purpose. The use of the contents of this document, even by the authorized personnel / agencies for any purpose other than the purpose specified herein, is strictly prohibited and shall amount to copyright violation and thus, shall be punishable under the Indian Law.

Disclaimer

Reserve Bank of India (The Bank), Estate Department, Bhubaneswar (the Bank) has prepared this tender document. The information is provided to prospective Bidders to enable them to bid for **Design, Supply, Installation, Testing and Commissioning of 2X20 KVA Uninterrupted Power Supply System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar** from the date specified in the contract as per the terms and conditions set out in this tender and any other terms and conditions related to such information.

This tender is neither an agreement with any party, nor invitation to any party to perform work of any kind. The purpose of this tender is to share requirements of the Bank with all interested parties in order to enable them to submit their Bid. **While the Bank has taken due care in the preparation of the information contained herein, the Bank does not claim that the information is exhaustive. Respondents to this tender are required to make their own inquiries and they should not rely solely on the information in tender. The Bank is not responsible if no due diligence is performed by the Respondents.** The Bank reserves the right not to proceed with this tender, to alter the time-table reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the tender further with any respondent. No reimbursement of cost of any type or on any account will be paid to persons or entities submitting their Bid.

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(c)	Turnover	Audited financial statements for the last three financial years i.e., 2021-22, 2022-23 and 2023-24 along with a certificate of Chartered Accountant indicating the turnover of these financial years.
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- g. Details of Service setup and complaint escalation matrix - As per [Annexure 'H'](#)
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Note (Regarding client certificate):

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9.The Bank shall evaluate the said reports before evaluation of price bid of the e- Tenders. If any Tenderer is not found to possess the required eligibility for participating in the e-Tendering process at any point of time and/or his performance reports received from his clients and/or his bankers are found unsatisfactory, the Bank reserves the right to reject his offer even after opening of Part-I of the e- Tender. The Bank is not bound to assign any reason for doing so.

10.The Bank is not bound to accept the lowest e-tender and reserves the right to accept either in full or in part any e-Tender. The Bank also reserves the right to reject all the e-Tenders without assigning any reason there for.

Regional Director
Estate Department
Bhubaneswar

SCHEDULE OF TENDER (SOT)

1	e-Tender No.	RBI/Bhubaneswar Regional Office/ Estate/ 12/ 25-26/ ET/306
2	Name of the Work:	E-Tender for Design, Supply, Installation, Testing and Commissioning of 2X20 KVA Uninterrupted Power Supply System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar
3	Mode of Tender:	e-Procurement System (Part I – Techno-Commercial Bid and Part II - Financial Bid) through MSTC website (www.mstcecommerce.com/eprocn)
4	Date of NIT available in MSTC portal for viewing of e-Tender	July 17, 2025, from 17:00 Hrs. onwards
5	Date and Time of the Pre-Bid Meeting	August 13, 2025 at 11:00 Hrs. at Estate Dept. Bhubaneswar
6	Estimated cost of the work	₹13 Lakhs
7	Earnest Money Deposit (EMD)	₹26,000/- (Rupees Twenty-Six Thousand Only) to be remitted through: i. NEFT: A/C No-186004001, Reserve Bank of India, IFSC Code - RBIS0BBPA01 (0=Zero), Branch Name – Bhubaneswar. The details of transaction may be provided to estatebhubaneswar@rbi.org.in Or ii. Demand Draft/BG: DD/BG in favour of Reserve Bank of India, Bhubaneswar to be delivered in physical form at Reserve Bank of India, Pt. J. N. Marg, Bhubaneswar-751001
8	Last date of submission of DD/ Bank Guarantee/NEFT for EMD	August 25, 2025, up to 14:00 Hrs.
9	Performance Bank Guarantee (PBG)	10 % of Contract amount.
10	Bidding start date of Techno-commercial Bid and Financial Bid at	August 14, 2025, from 14:00 Hrs. onwards

	www.mstcecommerce.com/eprocn	
11	Date of closing of online e-Tender for submission of Techno-commercial Bid and Financial Bid	August 25, 2025 up to 14:30 Hrs.
12	Date & Time of opening of Part-I (i.e., Techno-Commercial Bid)	August 25, 2025 at 14:30 Hrs.
13	Date & Time of opening of Part- II (i.e., Financial Bid)	Will be intimated to the eligible Tenderers.
14	Transaction fee	As charged by MSTC Ltd. Payment of transaction fee through MSTC payment gateway either by NEFT/RTGS through challan or by Online payment through Net banking/Debit card/Credit card in favour of MSTC LIMITED. Upon receipt of payment, system will automatically authorize the payment.

Important Instructions Regarding E-tender

This is an e-procurement event of RBI. The e- procurement Service Provider/Contractor is the MSTC Limited.

You are requested to read and understand the Notice Inviting Tender and subsequent corrigenda if any, before submitting your online tender.

Process of E-tender:

A) Registration: The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Techno-Commercial Bid as well as Price Bid over the internet will be done. The Vendor should possess Class III signing and encryption type digital certificate. Vendors are to make their own arrangement for bidding from a P.C. connected with Internet. RBI is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: THE PRICE BID AND THE COMMERCIAL BID HAS TO BE

SUBMITTED ON-LINE ONLY AT www.mstcecommerce.com/eprocn (Version 3)

1) Vendors are required to register themselves online with www.mstcecommerce.com/eprocn

Register as Vendor -- Filling up details and creating own user id and password Submit. For further details, go to Download Guide / Video / Registration

Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form. In case of any clarification, please contact MSTC/ RBI, (before the scheduled time of the e- tender).

Contact details:

a) Contact person (MSTC) For Vendors:

HO Central Help Desk: (For vendors)

Phone Number :07969066600

helpdeskho@mstcindia.in (Please mention "HO Helpdesk" as subject while sending emails)

Availability

9:30 AM to 5:00 PM on all working days for all Technical issues e-Tenders, System settings etc.

b) Contact person (MSTC)

Please visit www.mstcindia.co.in/content/Contact.aspx

Contact Person	Mail	Mobile
Shri Mahesh Ramavath	rmahesh@mstcindia.co.in	8801281004
Shri TDMV Satyasai	tsatyasai@mstcindia.co.in	6370350776
Help Desk/ Office	helpdesk@mstcindia.co.in	0674-2544199/ 2950091

c) Contact person at RBI (RO/TE)

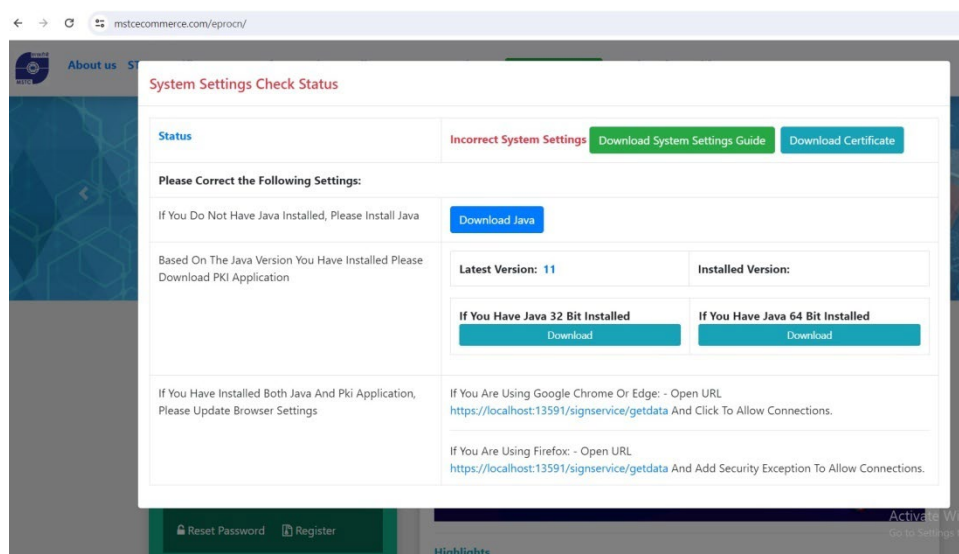
Shri Prem Shankar Konapala, AGM – premshankark@rbi.org.in (Mobile – 8074376753) Shri Subhash Govind Pawar (T-E) – subhashpawar@rbi.org.in (Mobile – 9958969919)

Shri Aakoju Sravan Kumar, AM – asravankumar@rbi.org.in (Mobile – 8247400250)

Guide.

1. **System Requirement:**

For details, vendor may refer to the **DOWNLOAD SYSTEM SETTING GUIDE** available <https://www.mstcecommerce.com/eprocn/>



i) Windows 7 or above Operating System

ii. Edge/Google Chrome

iii) Signing type digital signature iv) Latest updated JRE 8 (x86 Offline) software to be downloaded and installed in the system.

To disable “Protected Mode” for DSC to appear in The signer box following settings may be applied.

• Tools => Internet Options => Security => Disable protected Mode If enabled- i.e, Remove the tick from the tick box mentioning “Enable Protected Mode”. • Other Settings:

Tools => Internet Options => General => Click On Settings under “browsing history/Delete Browsing History” => Temporary Internet Files => Activate “Every time I Visit the Webpage”.

To enable ALL active X controls and disable ‘use pop up blocker’ under

Tools→ Internet Options→ custom level (Please run IE settings from the page www.mstcecommerce.com once)

2. Special Note towards Transaction fee: The vendors shall pay the transaction fee using “Transaction Fee Payment” Link against the specific tender in the “Bid Floor”/through the “Pay Transaction fee” in “Event catalog” through their login. Service Provider / Contractor / Vendor shall have the facility of making the payment either through NEFT or Online Payment. On selecting NEFT, Service Provider / Contractor / Vendor shall generate a challan by filling up a form. Service Provider / Contractor / Vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. On selecting Online Payment, Service Provider / Contractor / Vendor shall have the provision of making payment using its Credit / Debit Card / Net Banking. Once the payment gets credited to MSTC’s designated bank account, the transaction fee shall be auto

authorized.

Transaction fee is non-refundable. A vendor will not have the access to online e- tender without payment of the transaction fee.

NOTE: Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit the bid.

3 Information about tenders / corrigenda shall be sent by email only during the process till finalization of tender. Hence the vendors are required to ensure that their corporate email I.D. provided is valid and updated at the time of registration of vendor with the MSTC Ltd. Vendors are also requested to ensure validity of their class III signing and encryption type of DSC (Digital Signature Certificate).

4 E -tender cannot be accessed after the due date and time mentioned in NIT (Notice inviting tender).

5 Bidding in E-tender:

Note: Vendors are instructed to use **Upload Documents** link in My menu to upload documents in document library. Multiple documents can be uploaded. Maximum size of single document for upload is 5 MB.

Once documents are uploaded in the library, vendors can attach documents through **Attach Document** link against the particular e-Tender. Please note that if the documents are not attached to any e-Tender, the same cannot be downloaded by RBI and it will be deemed that the vendor has not submitted the documents. For further assistance please follow instructions of vendor guide.

- a) Bidder(s) need to submit necessary EMD, E-Tender fees (If ANY) and Transaction fee separately for the e-tender. Transaction fees if any are non-refundable. No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by RBI.
- b) The process involves Electronic Bidding for submission of Techno Commercial Bid as well as Price Bid.

The bidder(s) who have submitted the above fees can only submit their Techno Commercial Bids and Price Bid through internet in MSTC website www.mstcecommerce.com → e-procurement → New Common Portal → Bid Floor Manager→ live event →Selection of the live event→ Transaction fee->Common terms->Attach Documents->Price Bid.

Please Note: The vendor after successful remittance of the transaction fees and EMD details, will get the attach documents and common terms tab enabled in their login. Post successful completion of this step, the vendors will be allowed to save the lot specific terms and submit their price bid against the lot through the portal or download and upload the excel file for submitting price bids, as the case may be. In case the attach documents and/or saving common terms step is unsuccessful, the tabs for saving lot specific terms and submitting price bid would be disabled. The status of whether the same is successful/pending would be displayed in the bid status button.

- c) First the vendor needs to fill up the Commercial specification if any and save it. Then the vendor should fill up the Techno-commercial bid. After filling the Techno-Commercial Bid, bidder should click 'save' for recording their Techno-Commercial bid. Once the same is done, the Price Bid link becomes active and the same has to filled up and then bidder should click

on “save” to record their price bid. Then once both the Techno-Commercial bid & price bid has been saved, the bidder can click on the “Final Submission” button to register their bid

NOTE: - After clicking the final submission “Delete bid” option would be shown. If the vendor wants to delete the bid after final submission and re submit the bid, then he/she should click delete bid and resubmit the same and again click final submission.

- d) In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.
- e) During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.
- f) The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- g) All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply/work. Such successful tenderer shall be called hereafter **SUPPLIER/CONTRACTOR**.
- h) It is mandatory that all the bids are submitted with class III signing and encryption type of digital signature certificate otherwise the same will not be accepted by the system.
- i) Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part without assigning any reason thereof.
- j) No deviation of the terms and conditions of the e-Tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the e-Tender.

Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document.

Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.

No deviation to the technical and commercial terms & conditions are allowed.

The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.

Vendors are requested to read the vendor guide and see the video in the page www.mstcecommerce.com/eprochome to familiarize them with the system before bidding.

Place:

Date:

Signature and seal of the Tenderers

Name:

Address:

Email:

Phone:

Mobile no.:

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Section I

Form of Tender

To

The Regional Director,
Estate Department,
Reserve Bank of India,
Bhubaneswar

Sir,

Having examined the drawings, specifications, designs and schedule of quantities relating to the works specified in the Memorandum hereinafter set out and having visited and examined the site of the works specified in the said Memorandum and having acquired the requisite information relating thereto as affecting the Tender, I/we hereby offer to execute the works specified in the said memorandum within the time specified in the said memorandum at the rates mentioned in the attached Schedule of Quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Conditions of Tender, Articles of Agreement, special instructions to the tenderers, general instructions to the tenderers and special conditions, conditions hereinbefore referred to, specifications, data sheet and Schedule of Quantities and with such materials as are provided for, by and in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

(a)	Description of works	Design, Supply, installation, testing and commissioning of 2X20 KVA UPS system in N+1 Parallel Redundant Mode along with Comprehensive AMC for the Bank's Main Office Building at Bhubaneswar
(b)	Estimated cost	₹13.00 lakh
(c)	Mode of payment	NEFT or DD or BG
(d)	Earnest Money	Rs.26,000/-
(e)	Time allowed for completion of work from 14 th day of letter of award.	60 days

2. We also agree that our tender will remain valid for acceptance by the Bank for 90 days from

the date of opening of Part I of the tender and this period of validity can be extended for such period as may be mutually agreed between the Bank and us in writing. We also agree to keep Bank guarantee towards earnest money valid during the entire period of validity of tender, as per enclosed proforma.

3. Should this Tender be accepted, I/we hereby agree to abide by and fulfill all the terms and conditions of the Tender and in the event of any default thereof, to forfeit and pay to you or your successors, or assignees or nominees such sums of money as are stipulated in the conditions contained in the tender document together with the written acceptance of the Contract.

4. I/We understand that you reserve the right to accept or reject any or all the tender either in full or in part without assigning any reason therefor. We have deposited a sum of **Rs.26,000/-** as earnest money with Reserve Bank of India, which amount is not to bear any interest. Should we fail to execute the contract when called upon to do so, we do hereby agree that this sum shall be forfeited by us to the Reserve Bank of India.

5. The Tender is submitted/uploaded in two parts. Part I contains all commercial terms and conditions, technical particulars and Part II contains only the price bid in the Bank's proforma.

Dated thisday of 2025.

For and on behalf of M/s

(Signature of authorized signatory with seal)

Name _____

Designation _____

Place _____

Date _____

(Certified true copy of Board Resolution or mandate or Power of Attorney of the above signatory as authorized signatory should be enclosed).

Witnesses

(1) Signature with name, address and date _____

(2) Signature with name, address and date _____

Section II

नियम एवं शर्तों के अधीन करार Articles of Agreement

यह करार वर्ष 2025 को _____ तारीख को भुवनेश्वर में, प्रथम पक्षकार भारतीय रिज़र्व बैंक जिसका मुख्य कार्यालय भुवनेश्वर -751001 में है (जिसे आगे बैंक कहा जाएगा) तथा द्वितीय पक्षकार मेसर्स _____ जिसका पंजीकृत कार्यालय _____ में स्थित है (जिसे आगे ठेकेदार कहा जाएगा) के बीच किया जाता है।

ARTICLES OF AGREEMENT made onday of....., 2025 between the Reserve Bank of India (hereafter called "Bank") having its office at Bhubaneswar - 751001 on the one part and M/s _____ having its Registered Office at _____ (Thereinafter called "the Contractor") on the other part.

जबकि

नियोक्ता, भारतीय रिज़र्व बैंक के मुख्य कार्यालय भवन, भुवनेश्वर में **2X20 KVA UPS system in N+1 Parallel Redundant Mode** के डीएसआईटीसी और व्यापक रखरखाव (जिसे आगे उक्त कार्य कहा जाएगा) के लिए इच्छुक है और उसने निर्धारित कार्य की ड्राइंग, विशिष्टताओं और परिमाणों की सूची आमंत्रित की है। तथा जबकि उक्त ड्राइंग, विशिष्टताओं, और परिमाणों की सूची के संबंध में पार्टियों या उनकी ओर से हस्ताक्षर किए गए हैं।

WHEREAS the Employer is desirous of **DSITC of 2X20 KVA UPS system in N+1 Parallel Redundant Mode along with Comprehensive AMC for the Bank's Main Office Building at Bhubaneswar (hereinafter called "the said work")** and has caused drawings, specifications and schedule of quantities describing the work to be done. AND WHEREAS the said drawings the specifications, and the schedule of quantities have been signed by or on behalf of the parties hereto.

और जबकि ठेकेदार निर्धारित शर्तों और विशेष परिस्थितियों में निर्धारित शर्तों के अनुसार और संविदा की परिमाणों की सूची और संशोधित शर्तों के अधीन काम करने के लिए सहमत है और अंतिम रूप से दोनों पक्षों द्वारा स्वीकृत है (जिसे आगे संयुक्त रूप से "उक्त शर्तें" कहा जाएगा), उक्त ड्राइंग में दर्शाए गए और / या उक्त विशिष्टताओं में वर्णित कार्यों और इसमें निर्धारित दरों पर परिमाणों की सूची में शामिल, राशि के बराबर या इसके समान राशियों (जिसे आगे "उक्त अनुबंध राशि" कहा जाएगा) के लिए देय होगा।

AND WHEREAS the Contractor has agreed to execute upon the subject work to the conditions set forth herein and to the conditions set forth in the special conditions and in the schedule of quantities and conditions of Contract as modified and finally accepted by both the parties (all of which are collectively hereinafter referred to as "the said Conditions") the works shown upon the said drawings and/or described in the said Specifications and included in the Schedule of quantities at

the respective rates therein set forth, amounting to the sum as therein arrived at or such other sum as shall become payable there under (hereinafter referred to as "the said Contract Amount").

अब दोनों पक्ष पारस्परिक रूप से इस पर निम्नानुसार सहमत हैं :

NOW IT IS HEREBY AGREED AS FOLLOWS:

उक्त संविदा के संबंध में भुगतान समय पर और संविदा की उक्त शर्तों के अनुसार किया जाना है, ठेकेदार उक्त शर्तों के अधीन ड्राइंग में दर्शाए गए और उक्त विशिष्टताओं तथा परिमाणों की अनुसूची में वर्णित कार्य को निष्पादित करेगा और पूरा करेगा।

In consideration of the said Contract amount to be paid at the times and in the manner set forth in the said conditions, the Contractor shall, upon and subject to the said conditions, execute and complete the work shown upon the said drawings and described in the said specifications and the schedule of quantities.

2.1. नियोक्ता, ठेकेदार को उक्त संविदा राशि या किसी अन्य राशि का भुगतान उस समय और उक्त शर्तों में निर्दिष्ट नियमों के अनुसार करेगा।

The Employer shall pay the Contractor the said Contract amount or such other sum as shall become payable at the times and in the manner specified in the said conditions.

2.2. उक्त शर्तों में "आर्किटेक्ट" शब्द का अर्थ क्षेत्रीय निदेशक, भारतीय रिजर्व बैंक, भुवनेश्वर से है और किसी भी कारण से इस अनुबंध के प्रयोजन हेतु उनको आर्किटेक्ट नहीं होने पर, ऐसे अन्य व्यक्ति या व्यक्तियों को नियोक्ता द्वारा उक्त प्रयोजन के लिए नामित किया जाएगा, जो ऐसा व्यक्ति नहीं होगा जिस पर ठेकेदार किसी कारण से आपत्ति उठाए और नियोक्ता उसे उपर्युक्त माने, बशर्ते कि कोई व्यक्ति अथवा व्यक्तियों जिसे बाद में आर्किटेक्ट के रूप में नियुक्त किया गया हो, को लिखित में दिए गए किसी भी पिछले निर्णयों या अनुमोदन या निर्देश को अनदेखा या खारिज करने का अधिकार नहीं होगा।

The term "Architect" in the said conditions shall mean Regional Director, Reserve Bank of India, Bhubaneswar and on his ceasing to be the architect for the purpose of this Contract for whatever reason, such other person or persons as shall be nominated for that purposes by the Employer, not being a person to whom the Contractor shall object for reasons considered to be sufficient by the Employer PROVIDED ALWAYS that no person or perhaps persons subsequently appointed to be architect under this Contract shall be entitled to disregard or overrule any previous decisions or approval or direction given or expressed in writing by the architect for the time being.

2.3. उक्त शर्तों और परिशिष्ट और उक्त कार्य के संबंध में निविदा स्वीकृति पत्र की तिथि तक नियोक्ता और ठेकेदार के बीच में हुये किसी भी पत्राचार को इस करार का हिस्सा माना जाएगा और पक्षकारों द्वारा इनका क्रमशः पालन किया जाएगा, स्वयं उक्त शर्तों के अधीन होंगे और उसके अनुसार करार का निष्पादन करेंगे।

The said conditions and Appendix thereto and any correspondence exchanged between the Employer and the contractor in connection with the said work till the date of letter of acceptance of their tender shall be read and construed as forming part of this Agreement and the parties hereto

shall respectively abide by, submit themselves to the said Conditions and perform the agreements on their part respectively in the said Conditions contained.

2.4. उक्त शर्तों और उसके परिशिष्ट को इस करार के एक भाग के रूप में माना जाएगा और इसके पक्षकार उक्त शर्तों का पालन करेंगे और शर्तों के अनुसार इस करार को निष्पादित करेंगे।

The said Conditions, Annexures and Appendix thereto shall be read and construed as forming part of this agreement and the parties hereto shall respectively abide by, submit themselves to the said conditions and perform the agreements on their part respectively in the said conditions contained.

2.5. मूल निविदा दस्तावेज की धारा I, II, III, IV, V, VI और VII के साथ यहां उल्लिखित करार और दस्तावेज और बैंक द्वारा उक्त प्रणाली के रखरखाव हेतु ठेकेदार को भविष्य में जारी किए जानेवाले सभी व्यापक वार्षिक रखरखाव अनुबंध कार्य आदेश इस अनुबंध का आधार होंगे, जो निविदा दस्तावेज में किए गए उल्लेख के अनुसार मान्य रहेंगे।

The agreement and documents mentioned herein along with the Sections I, II, III, IV, V, VI and VII of the original tender document, Appendix and Annexures, work orders that would be issued by the Bank to the Contractor for the said work shall form the basis of this Contract which will be valid as mentioned in the tender document.

2.6. यह संविदा न तो एक निश्चित एकमुश्त संविदा है और न ही कार्य का एक हिस्सा है, बल्कि यह **2X20 KVA UPS system in N+1 Parallel Redundant Mode** डीएसआईटीसी और व्यापक रखरखाव के संबंध में काम करने हेतु एक संविदा है, जिसके लिए दर अनुसूची में निहित दरों/राशि और संभाव्य मात्रा अथवा उक्त शर्तों में प्रदत्त मात्रा के अनुरूप भुगतान किया जाएगा।

This Contract is neither a fixed lump sum contract nor a piece work but is a contract to carry out the work in respect of provision of **DSITC of 2X20 KVA UPS system in N+1 Parallel Redundant Mode along with Comprehensive AMC** to be paid for at the rates/amount contained in the Schedule of Rates and Probable Quantities or as provided in the Said Conditions.

2.7. ठेकेदार उक्त शर्तों में निर्धारित तरीके से सिविल कार्यों, इलेक्ट्रिक इन्स्टालेशन, फिटिंग और अन्य सहायक कार्यों से संबंधित सभी कार्यों को पूरा करने के लिए हर उचित सुविधा को वहन करेगा और ऐसे कार्यों के पूरा होने के बाद दीवारों, फर्श आदि को हुये किसी भी नुकसान को ठीक करेगा।

The Contractor shall afford every reasonable facility for carrying out of all works relating to civil works, electrical installations, fittings and other ancillary works in the manner laid down in the said conditions, and shall make good any damages done to walls, floors, etc., after the completion of such works.

2.8. नियोक्ता इस संविदा की अवधि के दौरान किसी भी समय कार्य के स्वरूप और ड्राइंग में कुछ जोड़कर अथवा कुछ हटाकर अथवा उसके कुछ भाग को रखकर परिवर्तन करने का स्वयं अधिकार सुरक्षित रखता है जो इस संविदा पर प्रतिकूल प्रभाव डाले बिना होगा।

The Employer reserves to itself the right of altering the drawings and nature of the work by adding to or omitting any items of work or having portions of the same carried out at any time during the currency of Contract, without prejudice to this Contract.

2.9. समय अवधि इस करार का महत्वपूर्ण भाग माना जाएगा और ठेकेदार यहाँ सहमति व्यक्त करता है कि उक्त नियम एवं शर्तों के अनुसार कार्य आदेश/स्वीकृति पत्र जारी होने के 14वें दिन से कार्य प्रारम्भ करेगा और समय के विस्तार के प्रावधानों के बावजूद सम्पूर्ण कार्य 60 दिन के भीतर पूरा करेगा, अन्यथा नियोक्ता उक्त शर्तों के अनुसार परिसमापन क्षति की वसूली करने का हकदार होगा।

Time shall be considered as the essence of this Contract and the Contractor hereby agrees to commence the work from the 14th day of issue of work order/letter of acceptance as provided for in the said Conditions and to complete the entire work within **60 days** subject nevertheless to the provisions for the extension of time, in writing by such form (i.e. by way of a deed or agreement or by exchange of letters /emails) as may be mutually decided by the parties.

2.10. इस संविदा के तहत बैंक द्वारा सभी भुगतान केवल भारतीय रिजर्व बैंक, भुवनेश्वर में किए जाएंगे।

All payments by the Employer under this Contract will be made only at Reserve Bank of India, Bhubaneswar.

2.11. इस करार या इससे संबंधित सभी विवाद भुवनेश्वर में उत्पन्न माने जाएंगे और इनके निर्धारण का क्षेत्राधिकार सिर्फ भुवनेश्वर में स्थित न्यायालयों को होगा।

All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen at Bhubaneswar and only Courts in Bhubaneswar shall have jurisdiction to determine the same.

2.12. यह कि इस संविदा के सभी भागों को ठेकेदार द्वारा पढ़ लिया गया है और पूरी तरह से समझ लिया गया है।

That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor.

2.13 **भुगतान शर्तें:** भुगतान की निम्नलिखित शर्तें, सांविधिक कटौती के अधीन, इस अनुबंध पर लागू होंगी:

(क) उद्धृत दर के 60% मूल्य का भुगतान आनुपातिक किस्त के आधार पर किया जाएगा, जो कारखाने में उपकरणों का परीक्षण और सभी सहायक वस्तुओं के साथ उनकी डिलीवरी और नियोक्ता द्वारा अधिकृत प्रतिनिधियों द्वारा साइट पर इसकी स्वीकार्यता तथा निम्नलिखित दस्तावेजों की प्रस्तुति के अधीन होगा :

(i) निर्माता निरीक्षण और परीक्षण प्रमाण पत्र

(ii) ठेकेदार का इस आशय का प्रमाण पत्र कि रखरखाव सहित सिस्टम का सफल इंस्टलेशन, कमीशन और परीक्षण हेतु सभी घटक, पुर्जा, सबसिस्टम, उपभोग्य सामग्रियाँ आदि कार्यस्थल पर अच्छी स्थिति में प्राप्त की गई हैं और

यदि इंस्टलेशन, कमीशनिंग और परीक्षण के दौरान कोई कमी पायी जाती है तो उक्त सामग्रियाँ बैंक को निशुल्क आपूर्ति की जाएंगी।

(iii) निविदा शर्तों के अनुरूप बीमा पॉलिसी

(ख) स्थापना, परीक्षण, कमीशनिंग और सिस्टम को बैंक को सौंपने के कार्य के संतोषजनक समापन पर और 1 वर्ष और 3 महीने (पूर्णता समय) की दोष देयता अवधि के लिए वैध संविदा राशि का 10% बैंक गारंटी जमा करने पर उद्धृत दर का शेष 40%। इसके अलावा 6 महीने की अतिरिक्त दावा अवधि भी होगी। यदि ठेकेदार समय-सीमा के भीतर खंड 3.6 के अनुसार एक नया पीबीजी प्रस्तुत करने में विफल रहता है, तो आरबीआई भुवनेश्वर के पास पूर्व की बीजी को लागू करने का पूरा अधिकार होगा।

नोट: दोष दायित्व अवधि के लिए सुरक्षा के रूप में प्रत्येक बिल से बिल मूल्य का 5% रिटेंशन मनी काटा जाएगा। डीएलपी के 1 वर्ष बाद इसे वापस कर दिया जाएगा।

(ग) इसके अलावा, आई.टी. सरकार के नियमों के अनुसार टीडीएस और कोई अन्य वैधानिक कर सभी बिलों से काट लिया जाएगा।

Payment Terms: The following terms of payment, subject to statutory deductions, shall be applicable to this contract:

(a) 60 % value of the quoted rate shall be released on pro rata installment basis, after equipment's is/are tested in the factory and on delivery of the same together with all the ancillary items and are accepted at site by the Employers authorized representatives along with submission of following documents.

- i. Manufacturer's inspection and test certificate
- ii. Certificate that all the components, parts, subsystems, consumables etc., for successful installation, commissioning and testing of the systems including maintenance have been received at site in good condition and if any shortfall is noticed during installation, commissioning and testing they will be supplied free to the Bank.
- iii. Policies of insurance as per tender conditions.

(b) Balance 40 % of the quoted rate on satisfactory completion of erection, testing, commissioning and handing over the system to the Bank and on submission of Bank Guarantee amounting to **10%** of the contract amount valid for a defect liability period of 1year plus 3 months (completion time). In addition, there will be 6 months extra claim period. If the contractor fails to submit a fresh PBG as per clause 3.6 within the time limit, RBI Bhubaneswar will have the whole right to invoke the earlier BG.

N.B.: Retention Money of 5% of the bill value shall be deducted from each bill as security towards defect liability period. The same shall be returned after 1 year of DLP.

(c) In addition, I.T. TDS and any other statutory tax as per the Government rules shall be deducted from all the bills.

2.14 बीमा

ठेकेदार कार्य शुरू होने की निर्धारित तिथि से लेकर बैंक को UPS सिस्टम सौंपे जाने तक सभी प्रकार के जोखिमों को कवर करने के लिए सभी बीमा अपनी लागत पर लेगा, जो बैंक और ठेकेदार के संयुक्त नामे (बैंक का नाम पहले) होगा और काम शुरू करने से पहले बैंक को जमा करना होगा तथा इसमें निम्नलिखित जोखिम शामिल होंगे:

- ठेकेदार सर्व जोखिम बीमा में पूर्ण अनुबंध मूल्य के लिए भंडारण (सीएआर), निर्माण, इन्स्टालेशन, परीक्षण और कमीशन नीति शामिल है, जिसमें आग जोखिम और निर्माता के कार्यों से कार्य स्थल तक परिवहन हेतु ट्रांजिट बीमा (सड़क मार्ग आदि द्वारा/जल/वायु), जैसा लागू हो, सम्मिलित हैं।
- कार्यस्थल पर ठेकेदार के कर्मचारियों के लिए कर्मचारी मुआवजा नीति।
- रु.2 लाख प्रति दुर्घटना की सीमा सहित कुल रु.10 लाख हेतु तृतीय पक्षकार देयता नीति।

Insurance

The contractor shall take all insurances at his cost to cover all kinds of risks from the date of scheduled commencement of works till handing over the UPS system to the Bank, in the joint names of the Bank (the Bank's name being the first), and the contractor, to be submitted to the bank before commencement of work and it shall cover the following risks:

- Contractors all risk (CAR) insurance inclusive of Storage, erection, testing and commissioning policy for the full contract value including fire risk and Transit insurance for transportation from manufacturer's works to site (by Air/Sea/Road etc.) as applicable.
- Workmen compensation policy for the employees of the contractor at site.
- Third party liability policy for a total of ₹10 lakh and with a limit of ₹ 2 lakh per accident.

2.15 परिनिर्धारित हर्जाना: "समय" को इस ठेके का मूल आधार समझा जाएगा। संपूर्ण कार्य आदेश जारी किये जाने के बाद के दसवें दिन से नब्बे दिन के भीतर पूरा किया जाएगा, जिसमें विफल होने पर निर्धारित अवधि के पश्चात 0.25% प्रति सप्ताह की दर से परिनिर्धारित हर्जाना लगाया जाएगा, जिसकी ऊपरी सीमा अनुबंध राशि का 10% होगी।

Liquidated Damages: Time is the essence of the contract. The entire work shall be completed within 90 days from the 10th day of letter of award, failing which liquidated damages at a rate of 0.25% of contract value per week of delay beyond the stipulated period with an upper ceiling of 10% of the contract amount, will be levied.

2.16 वारंटी और व्यापक वार्षिक रखरखाव अनुबंध अवधि के दौरान कार्य का दायरा : गारंटी अवधि के भीतर सिस्टम/सब-असेंबली में पाए जाने वाले किसी भी दोष को निविदाकर्ता द्वारा नि:शुल्क सुधारा/बदला जाएगा। इस

अवधि के दौरान, निर्माता द्वारा निर्धारित और पारस्परिक रूप से सहमति के अनुसार मासिक सर्विसिंग और ब्रेकडाउन कॉल, चाहे वे कितनी भी हो, निःशुल्क की जाएंगी। वारंटी और व्यापक वार्षिक रखरखाव अनुबंध अवधि के दौरान संतोषजनक सेवा प्रदान करने पर त्रैमासिक आधार पर भुगतान किया जाएगा। सर्विसिंग मासिक आधार पर होगी जिसमें कितनी भी ब्रेकडाउन कॉलें शामिल हैं।

यह एक आपातकालीन प्रणाली होने के कारण, सिस्टम में किसी भी खराबी को नीचे दिए गए सुधार समय के अनुसार ठीक किया जाएगा, जिसमें विफल होने पर दंड लगाया जाएगा।

		Rectification time	Penalty
(a)	Any fault/defects in the system form the time of intimation by telephone/email/ message.	4 hours	Rs.1,000/- per day subject to maximum of 25% of the Annual Maintenance charges

यह व्यापक वार्षिक रखरखाव संविदा दो साल के अंत तक वैध प्रारंभिक संविदा अवधि के बाद कम से कम 6 साल की अतिरिक्त अवधि के लिए नवीनीकृत किया जाएगा (एक वर्ष दोष देयता अवधि और एक वर्ष प्रारंभिक संविदा अवधि)।

$$A_C = A_P \{15+60 \times (EPI_C/EPI_P) + 25 \times (CPI_C/CPI_P)\} \times 1/100$$

A_C चालू वर्ष के लिए संविदा राशि

A_P पिछले वर्ष के लिए संविदा राशि

EPI_C संविदा प्रारंभ होने की तिथि से 6 महीने पहले का विद्युत उपकरण, उपकरण और अवयवों के लिए चालू वर्ष का थोक मूल्य सूचकांक

EPI_P संविदा प्रारंभ होने की तिथि से 6 महीने पहले का विद्युत उपकरण, उपकरण और अवयवों के लिए पिछले वर्ष का थोक मूल्य सूचकांक

CPI_C संविदा प्रारंभ होने की तिथि से 6 महीने पहले का चालू वर्ष का औद्योगिक कामगारों के लिए उपभोक्ता मूल्य सूचकांक (अखिल भारतीय औसत)

CPI_P संविदा प्रारंभ होने की तिथि से 6 महीने पहले का पिछले वर्ष का औद्योगिक कामगारों के लिए उपभोक्ता मूल्य सूचकांक (अखिल भारतीय औसत)

8 साल की सेवा (अर्थात्, एक वर्ष की दोष देयता अवधि और और 7 वर्ष की एएमसी) के पूरा होने के बाद, आपसी सहमति से एएमसी की कीमतों में वृद्धि को उसी फॉर्मूले के अनुसार जारी रखा जा सकता है।

Scope of work during Warranty and Comprehensive Annual Maintenance Contract Period:

Any defects in the system/sub-assemblies found within the guarantee period shall be rectified/replaced by the tenderer free of cost. During this period, servicing at **monthly** interval or earlier and attending to ANY NUMBER of breakdown calls, as prescribed by the manufacturer, and as mutually agreed to, shall be carried out free-of-cost. **During CAMC period, payment**

shall be made on quarterly basis on rendering satisfactory service on monthly basis along with any number of breakdown calls.

This being an emergency system, any fault in the system shall be rectified as per the rectification time given below failing which penalty shall be applied.

		Rectification time	Penalty
(a)	Any fault/defects in the system from the time of intimation by telephone/email/ message.	4 hours	Rs.1,000/- per day subject to maximum of 25% of the Annual Maintenance charges

The Comprehensive Annual Maintenance contract shall be renewed for an additional period of at least 6 years after the initial contract period valid till the end of two years (one year defect liability period and the one year initial contract period). While renewing the contract the new contract amount will be arrived at based on following formula.

$$A_C = A_P \{15 + 60 \times (EPI_C/EPI_P) + 25 \times (CPI_C/CPI_P)\} \times 1/100$$

A_C The contract amount for the current year

A_P The contract amount for the previous year

EPI_C Wholesale Price Index for Electrical Apparatus, appliances & parts 6 months prior to the commencement date of contract for the current year

EPI_P Wholesale Price Index for Electrical Apparatus, appliances & parts 6 months prior to the commencement date of contract for the previous year

CPI_C Consumer Price Index for Industrial Workers (All India Average) 6 months prior to the commencement date of contract for the current year.

CPI_P Consumer Price Index for Industrial Workers (All India Average) 6 months prior to the commencement date of contract for the previous year

After completion of 8 years of service (i.e., one-year DLP and 7 years AMC), the escalation in AMC prices may be continued as per the above formula and upon with mutual consent.

2.17 व्यापक रखरखाव में निर्माता की सिफारिश के अलावा निम्नलिखित शामिल होंगे।

(i) फेज, न्यूट्रल और अर्थ के बीच वोल्टेज को समय-समय पर मापा जा सकता है

(ii) यूपीएस के बैटरी मोड पर होने पर ओपन सर्किट को रोकने के लिए बैटरी के सेल और टर्मिनल वोल्टेज की आवधिक माप की जानी चाहिए।

(iii) बैटरियों की अच्छी स्थिति सुनिश्चित करने हेतु , इन्हें बैटरी पर यूपीएस संचालित करके समय-समय पर डिस्चार्ज किया जाना चाहिए।

- (iv) यूपीएस को समय-समय पर मेन सप्लाई बंद कर और यूपीएस को बैटरी के माध्यम चलाकर जांच किया जाना चाहिए।
- (v) डीजी आपूर्ति के माध्यम से यूपीएस का संचालन।
- (vi) डीजी आपूर्ति बंद कर और बैटरी के माध्यम से यूपीएस का संचालन।
- (vii) पीआरएस मोड के लिए, निर्बाध लोड ट्रांसफर के लिए एक बार में एक यूनिट बंद कर।
- (viii) दोनों यूनिट को बैटरियों के माध्यम से चालू करें और दोनों यूनिटों के लोड शेयरिंग की जांच करें।
- (ix) मूल स्थिति को पुनर्स्थापित करें और यूपीएस के आउटपुट मापदंडों की जांच करें।

Comprehensive maintenance shall include the following over and above the recommendation of manufacturer.

- (i) The voltage between phases, neutral and earth may be measured periodically
- (ii) Periodic measurement of cell and terminal voltage of batteries to be carried out to prevent open circuit while the UPS is on battery mode.
- (iii) After ensuring the good health of batteries, these should be discharged periodically by operating the UPS on batteries.
- (iv) The UPS to be checked periodically by putting the mains supply OFF and running the UPS through batteries.
- (v) Running the UPS through DG supply.
- (vi) By putting the DG supply OFF and running the UPS through batteries.
- (vii) For PRS mode, by putting one unit OFF at a time for seamless load transfer.
- (viii) By putting both the unit ON with batteries and check load sharing of both the units.
- (ix) Restore the original condition and check the output parameters of UPS.

2.18. गैर प्रकटीकरण खंड Non-disclosure clause:

ठेकेदार इस करार के संबंध में अपने संविदात्मक दायित्वों को पूरा करने के दौरान मिलने वाली कोई भी जानकारी, सामग्री तथा बैंक के बुनियादी ढांचाउपकरणों आदि के संबंध में मिलने वाली जानकारी का प्रत्यक्ष या/सिस्टम/अप्रत्यक्ष रूप से प्रकटीकरण किसी अन्य पक्षकार को नहीं करेगा तथा हमेशा इसे अतिगोपनीय बनाए रखेगा। लागू कानून का अनुपालन करने या संविदा के अधीन अपने दायित्वों को पूरा करने के लिए आवश्यक होने की स्थिति को छोड़कर ठेकेदार इस संविदा के ब्यौरों को निजी दायरे में और गोपनीय रखेगा। नियोक्ता की पूर्व लिखित अनुमति के बिना संविदाकार किसी व्यापारिक या तकनीकी पेपर में या अन्यत्र कार्य के विवरण को न तो प्रकाशित करेगा, नही प्रकाशन की अनुमति देगा और न ही इसका प्रकटीकरण करेगा। किसी गोपनीय जानकारी के प्रकटीकरण के परिणामस्वरूप बैंक को हुई हानि के लिए संविदाकार बैंक को क्षतिपूर्ति करेगा। उपर्युक्त शर्तों का पालन न करना

ठेकेदार द्वारा संविदा भंग माना जाएगा और बैंक को हुई क्षति का दावा करने तथा कानूनी उपाय करने का हकदार होगा। इस करार के अधीन गोपनीय जानकारी का प्रकटीकरण न किए जाने के दायित्व को सुनिश्चित करने के लिए संविदाकार अपने कर्मचारियों के संबंध में सभी उचित कार्रवाई करेगा। प्रकटीकरण न करने और गोपनीयता के संबंध में ठेकेदार का दायित्व इस करार के समाप्त होने या किसी भी कारण से समाप्त किए जाने तक बना रहेगा।

The contractor shall not disclose directly or indirectly any information, materials and of the Bank's infrastructure/ system/equipment's etc. which may come to the profession or knowledge of the contractor during the course of discharging its contractual obligations in connection with the agreement, to any third party and shall at all times hold the same in strictest confidence. The contractor shall treat the details of the contract as private and confidential, except to the extent necessary to carry out the obligations under it or to comply with applicable laws. The contractor shall not publish, permit to be publish, or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous written consent of the Employer. The contractor shall indemnify the Employer for any loss suffered by the Employer as a result of disclosure of any confidential information. Failure to observe the above shall be treated as breach of contract on the part of the contractor and the Employer shall be entitled to claim damages and pursue legal remedies. The contractor shall take all appropriate actions with respect to its employees to ensure that the obligations of non-disclosure of confidential information under this agreement are fully satisfied. The contractor's obligations with respect to non-disclosure and confidentiality will survive the expiry or termination of this agreement for whatever reason.

2.19. यौन उत्पीड़न खंड Sexual harassment Clause:

क) ठेकेदार कार्यस्थलों पर महिलाओं का यौन उत्पीड़न रोकथाम), निषेध और निवारण अधिनियम (, 2013 "अधिनियमके (" प्रावधानों का पूर्ण अनुपालन करने के लिए पूरी तरह जिम्मेदार होंगे। बैंक के परिसर के भीतर अपने कर्मचारी के खिलाफ यौन उत्पीड़न की किसी भी शिकायत के मामले में शिकायत संविदाकार एजेंसी/ द्वारा गठित शिकायत समिति के समक्ष दायर की जाएगी संविदाकार एजेंसी/ उक्त शिकायत के संबंध में अधिनियम के अंतर्गत समुचित कार्रवाई सुनिश्चित करेगा।

ख) ठेकेदार के किसी पीड़ित कर्मचारी द्वारा बैंक के किसी कर्मचारी के विरुद्ध की गई यौन उत्पीड़न की किसी भी शिकायत का संज्ञान बैंक द्वारा गठित क्षेत्रीय शिकायत समिति द्वारा लिया जाएगा।

ग) यदि घटना में संविदाकार का कोई कर्मचारी शामिल होता है तो उस स्थिति प्रदान की जानेवाली किसी भी मौद्रिक प्रतिपूर्ति के लिए संविदाकार उत्तर दायित्व होगा, उदाहरण के लिए बैंक के किसी कर्मचारी को दी जानेवाली मौद्रिक राहत यदि ठेकेदार के कर्मचारी द्वारा यौन हिंसा सिद्ध हो जाती है।

घ) कार्यस्थल पर यौन उत्पीड़न की रोक थाम और अन्य संबंधित मुद्दों पर अपने कर्मचारियों को शिक्षित करने की जिम्मेदारी संविदा कार की होगी।

ड) ठेकेदार बैंक के परिसर में तैनात अपने कर्मचारियों की एक पूर्ण और अद्यतन सूची रखेगा, जिसे बैंक द्वारा मंगवाए जाने पर आसानी से उपलब्ध कराया जा सके।

a) The contractor shall be solely responsible for full compliance with the provisions of “the Sexual Harassment of women at work place (Prevention, Prohibition and Redressal) Act, 2013. In case of any complaint of sexual harassment against its employee within the premises of the Bank, the complaint will be filed before the internal complaints committee constituted by the contractor/Agency or Local Complaints committee as the case may be and the contractor/ agency shall ensure appropriate action under the said Act in respect of the Complaint.

b) Any complaint of sexual harassment from any aggrieved employee of the service provider against any employee of the Bank or any employee of any other firm working in the Bank shall be taken cognizance of by the Regional Complaints Committee constituted by the Bank.

c) The Contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employees of the contractor, for instance any monetary relief to Bank’s employee or other firm’s employee, if sexual harassment by the employee of the contractor is proved.

d) The Contractor shall be responsible for educating its employees about prevention of sexual harassment at work place and related issues.

e) The Contractor shall provide a complete and updated list of employees who are deployed within the Bank’s premises.

2.20. अप्रत्याशित घटना Force Majeure:

इस करार के तहत दायित्वों को पूरा करने में किसी चूक के लिए कोई भी पार्टी जिम्मेदार नहीं मानी जाएगी, यदि चूक किसी पार्टी के नियंत्रण से परे कार्यों जैसे (जैसे दैवीय संकट, युद्ध की स्थिति, विद्रोह, मजदूर हड़ताल, किसी सरकारी कार्य, भूकंप, तूफान, टाइफून और अन्य प्राकृतिक आपदा आदि) के परिणामस्वरूप हुई हो। प्रत्येक पक्ष इस करार के तहत निष्पादन किए जाने वाले कार्यों को जारी रखने के सभी संभव प्रयास करने के लिए सहमति व्यक्त करते हैं। यदि अप्रत्याशित घटनाओं के कारण कार्य निष्पादन में बाधा की अवधि 30 दिनों से अधिक हो जाती है, तो पार्टी जिसकी कार्य निष्पादन क्षमता प्रभावित नहीं हुई है, लिखित सूचना देते हुए इस करार को निरस्त कर सकती है।

If either party is unable to perform its obligations under this Agreement due to the occurrence of an event beyond its control (such as acts of God, war like situations, riots, labor strike, government actions, earthquakes, cyclones, typhoons, and other natural calamities, etc.), that party will not be deemed to have defaulted under this Agreement. Each party agrees to use all reasonable efforts to enable performance under this Agreement to continue. If the period of non-performance due to a force majeure event exceeds 30 days, the party whose ability to perform has not been so affected may, by giving written notice, terminate this Agreement.

_____ संबंधी कार्य मुझे प्रदत्त किया गया है। मैं वचन देता/देती हूँ कि मुझे प्रदत्त कार्य को पूरा करने के लिए मेरे द्वारा लगाए जाने वाले सभी मजदूरों को सभी प्रकार की मजदूरी का वास्तविक भुगतान उस दर पर किया जाएगा जो न्यूनतम मजदूरी अधिनियम 1948 के तहत निर्धारित दर से कम नहीं होगा तथा सीएलआरए अधिनियम 1970 के प्रावधानों के अनुपालन को सुनिश्चित किया जाएगा और साथ ही ऐसे वेतन का भुगतान करने में विफलता के साथ-साथ तथा सीएलआरए अधिनियम 1970 के प्रावधानों का पालन करने में विफलता के कारण सांविधिक प्राधिकारियों द्वारा प्रिंसिपल नियोक्ता के विरुद्ध प्रारंभ की जाने वाली सभी कार्रवाइयों के लिए प्रिंसिपल नियोक्ता को क्षतिपूर्ति रखने का वचन देता/देती हूँ। मैं समय-समय पर सरकारी अधिकारियों/बैंक के अधिकारियों के निरीक्षण के लिए सभी आवश्यक दस्तावेज/रिकॉर्ड रखूंगा/रखूंगी और उनका रख-रखाव करूंगा/करूंगी।

I _____ that the work of _____ awarded to me. I undertake to actually pay wages to all labourers of all description to be engaged by me for completion of _____ work awarded to me at the rate which is not less than the one prescribed under Minimum Wages Act 1948 and to ensure compliance to the provisions of CLRA Act 1970 and also keep the Principle Employer indemnified against all the actions that may be initiated against the Principle Employer by the Statutory Authorities for his failure to pay such wages and for failure to comply with the provisions of CLRA Act 1970. I shall keep and maintain all necessary documents/records for inspection of Government authorities/Bank's officials from time to time.

यदि ठेकेदार एक साझेदारी फर्म अथवा व्यक्ति हो If the Contractor is a partnership firm or an individual	गवाह जिनकी मौजूदगी में ऊपर उल्लिखित दिनांक और वर्ष को नियोक्ता और ठेकेदार दोनों ने इस करार को निष्पादित करने हेतु हस्ताक्षर किया है और इसे दो प्रतियों में तैयार किया गया है। IN WITNESS WHEREOF the Employer and the Contractor have set their respective hands to these presents and two duplicates hereof the day and year first herein above written.
---	--

यदि ठेकेदार एक कंपनी हो If the Contractor is a company	गवाह जिनकी मौजूदगी में ऊपर उल्लिखित दिनांक और वर्ष को इस करार को निष्पादित करने हेतु नियोक्ता और ठेकेदार दोनों ने अपने विधिवत प्राधिकृत अधिकारियों के माध्यम से मुहर सहित हस्ताक्षर किया है तथा इसे दो प्रतियों में तैयार किया गया है। IN WITNESS WHEREOF the Employer has set its hands to these presents through its duly authorized official and the Contractor has caused its common seal to be affixed hereunto and the said two duplicates / has caused these presents and the said two duplicates hereof to be executed on its behalf, the day and year first hereinabove written.
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हस्ताक्षर खंड

Signature Clause:

भारतीय रिज़र्व बैंक की ओर से निम्नलिखित द्वारा हस्ताक्षर और सुपुर्द किया गया।

SIGNED AND DELIVERED by the Reserve Bank of India by the hand of

श्री /Shri

(नाम और पदनाम)/(Name and designation)

.....

.....

की उपस्थिति में/in the presence of

(1)

(नाम और पदनाम)

(Name & Designation)

संपदा विभाग

Estate Department

भारतीय रिज़र्व बैंक, भुवनेश्वर कार्यालय

Reserve Bank of India, Bhubaneswar

(गवाह/witness)

(2)

(नाम और पदनाम)

(Name & Designation)

संपदा विभाग

Estate Department

भारतीय रिज़र्व बैंक, भुवनेश्वर कार्यालय

Reserve Bank of India, Bhubaneswar

(गवाह/witness)

द्वारा हस्ताक्षरित और सुपुर्द SIGNED AND DELIVERED BY

यदि पार्टी साझेदारी फ़र्म या एक व्यक्ति है तो सभी साझेदारों द्वारा या उन सभी की ओर से हस्ताक्षरित किया जाना चाहिए

If the party is a partnership firm or an Individual should be signed by all or on behalf of all the Partners

निम्न की उपस्थिति में In the presence of:

(1)

पता/Address: -----

(गवाह/Witness)

(2)

पता/Address: -----

(गवाह/Witness)

नोट Note:

बैंक, ठेकेदार के साथ करार करने से पहले करार की शर्तों में संशोधन करने का अधिकार सुरक्षित रखता है।

Bank reserves the right to modify the contents of the Articles of the Agreement before the agreement is entered with the contractor.

Section III

GENERAL INSTRUCTIONS TO CONTRACTORS & SPECIAL CONDITIONS

Online tenders in two parts (Part-I and Part-II) are invited for Design, Supply, Installation, Testing and Commissioning of **2 x 20 KVA UPS** System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar. The work is estimated to cost **Rs.13.00 Lakh** inclusive of all taxes and is to be completed within 60 days from 14th day of date of letter of award of work.

3.1 Eligibility Criteria:

Only those contractors who fulfill the following criteria will be considered eligible to participate:

- (i) The firm should be Original Equipment Manufacturer (OEM) or Authorized dealer with valid Authorization letter of the Uninterrupted Power Supply (UPS) system to be offered and having minimum 5 years of experience in the field of undertaking similar works viz. Design, Supply, Installation, Testing and Commissioning of Centralized UPS System in N+1 parallel redundant mode **(20 KVA or higher rating)** for Data Centers /Large financial Institutions/IT Complexes/Technology Parks/Multi-specialty Hospitals/similar organizations etc. The similar work should have been completed on or before June 30, 2020

And

- (ii) Have executed successfully *similar works (Design, Supply, Installation, Testing and Commissioning of UPS System) during the last five years ending on June 30 ,2025, individually costing as under
 - a) Three works each costing not less than the amount equal to 40 % of the estimated cost
OR
 - b) Two works each costing not less than the amount equal to 50 % of the estimated cost
OR
 - c) One work costing not less than the amount equal to 80 % of the estimated cost,

And

- (iii) Have a minimum yearly turnover of 100% of the estimated cost during the last 3 financial years ending 2024

And

- (iv) Should furnish Bankers' certificate issued by the Applicant's banker specifically for the purpose of the work, for an amount equal to or greater than the estimated cost of the work as per [Annexure – 'D'](#).

And

- (v) Have a service set up in Bhubaneswar for rendering after sales service provided with supporting documents viz., registration certificate, electricity bills, landline bills, rental agreements should be in the name of the OEM for the period of last one year

* Similar works means Design, Supply, Installation, Testing and Commissioning of Uninterrupted Power Supply System (20 KVA or higher rating) in N+1 parallel redundant mode.

Only those tenderers who qualify as per the above, will be eligible to tender for the work. A Tender submitted by a firm which is found to be not satisfying any of the above criteria will be liable for rejection.

3.2 The tenders for the above work in two parts i.e., Part-I containing technical specifications of equipment, and the terms and conditions (Rates and amounts of items shall not appear anywhere in this part) and Part-II containing only rates of items stated in figures and amounts in figures shall be quoted/submitted/uploaded in MSTC portal before 14:00 Hrs. on **August 25, 2025**. Part-I of the tender will be opened on the same day at 14:30 hrs. **Part-II of the tender will be opened on a subsequent date under intimation to all the tenderers**. All the information called for, shall be complete in all respects and to be uploaded in MSTC portal with supporting documents. Information furnished on sheets other than those supplied may not be considered. However, the firms can upload only the relevant catalogues/leaflets/brochures of the manufacturers of the equipment offered. Incomplete tenders or tenders not complying with the requirement are liable for rejection. No enclosure is permitted in Part-II of the tender.

If the intending tenderer feels that any of the terms and conditions of the tender documents are not acceptable to them or they feel that additional terms and conditions are required to be incorporated, they may indicate these conditions or additional or amended conditions uploaded in a separate sheet. All other terms and conditions on which there are no observations by the intending tenderers shall be constructed as acceptable to the tenderer.

- (a) Part-II of the Tender, containing only rates of items and amount stated in figures and words will be opened on a subsequent date to be intimated to the eligible Tenderers.
- (b) Tenders shall remain open to acceptance by the Bank for a period of 90 days from the date of opening Part-I of the Tender which period may be extended by mutual agreement and the Tenderer shall not cancel or withdraw the Tender during this period.
- (c) The Tender form must be filled in English. If any of the documents is missing or unsigned, the tender may be considered invalid by the Bank in its discretion.
- (d) Rates should be quoted in figures in the columns specified in MSTC portal. All erasures and alterations made while filling the tender must be attested by initials of the tenderer. No advice of any change in rate or conditions after the opening of Part II of the tender will be entertained.

- (e) Each of the tender documents should be signed by the person or persons submitting the tender in token of his/their having acquainted himself/themselves with the General Conditions of Contract, Specifications, Special Conditions etc. as laid down. Any tender with any of the documents not signed will be rejected.
- (f) The Tender submitted on behalf of a firm shall be signed by all the partners of the firm or by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract, otherwise the tender may be rejected by the Bank.
- (g) The Reserve Bank of India does not bind itself to accept the lowest or any tender and reserve to itself to accept or reject any or all the tenders either in whole or in part, without assigning any reasons for doing so.

3.3 Pre-Bid Meeting

- (a) A pre-tender briefing meeting of the eligible tenderers will be held at **11:00 Hrs. on August 13, 2025**, in Estate Department, 2nd Floor, Reserve Bank of India, Bhubaneswar to clarify any point / doubt raised by them in respect of the tender. No separate communication will be sent for this meeting.
- (b) All communications regarding points requiring clarifications shall be given in writing/email to The Regional Director, Reserve Bank of India, Second floor, Estate Department, Bhubaneswar or estatebhubaneswar@rbi.org.in by the eligible tenderers on or before **14:00 Hrs. on August 13, 2025**.
- (c) **All firms must attend the pre-bid meeting in order** to get clarification on any issue related to the tender from the Bank. No request for change in date of pre-bid meeting will be entertained thereafter. If a firm don't attend pre bid meeting, no clarification in future will be entertained and Minutes of Pre-Bid meeting will be binding on them,
- (d) Inclusion/submission of any deviations in the tender conditions in Part-I of the tender after pre-bid meeting is liable for rejection.
- (e) The minutes of pre-bid meeting and corrigendum if any, will be hosted in the Bank's website only. The minutes and corrigendum if any, will also become the part of the tender.

EMD & Bank Guarantees to be submitted by the tenderers

3.4 Intending tenderers shall pay an Earnest money a sum of **Rs.26,000/-** by way of NEFT to Reserve Bank of India, Bhubaneswar or by a Demand Draft drawn on any scheduled commercial bank in favour of Reserve Bank of India payable at Bhubaneswar. Alternatively, the tenderer may also furnish an irrevocable Bank Guarantee from any scheduled commercial bank for an equivalent amount towards EMD in the proforma enclosed ([Annexure – 'A'](#)). The Bank

Guarantee submitted towards EMD shall remain valid minimum up to **Six months** from the last date of submission of tenders. The proof of NEFT/DD/Bank Guarantee details should be uploaded along with technical bid and also to be sent by email (estatebhubaneswar@rbi.org.in) should reach this office on or before **14:00 Hrs. of August 25, 2025**. No interest shall be paid on EMD. EMD of the successful Bidder will be retained with the Bank against Security Deposit. A tender which is not accompanied by EMD in the form as mentioned above, shall be treated as non-responsive, and will be summarily rejected by the Bank.

3.5 On receipt of intimation from the Bank of the acceptance of his/their tender, the successful tenderer shall be bound to implement the contract and within 14 days thereof the successful tenderer shall sign an agreement in accordance with the draft agreement and the Schedule of Conditions but the written acceptance by the Reserve Bank of India of a tender will constitute a binding contract between the Reserve Bank of India and the person so tendering whether such formal agreement is or is not subsequently executed. The EMD of the unsuccessful tenderers shall be returned after award of work to the successful tenderer. The EMD of the successful tenderer shall be returned after successful completion of work and handing over system to the Bank along with submission of requisite Bank Guarantee towards Defect Liability Period (DLP) / CAMC.

3.6 Performance Bank Guarantee towards defect liability period and committed CAMC period

a. The tenderer shall furnish an amount equal to **10%** (Ten percent) of the contract value (contract value means capital cost of the equipment including taxes and excluding buyback if any) for the work in the form of Bank Guarantee (BG) from any scheduled commercial bank in the form prescribed by the Bank as per [Annexure – ‘B’](#) towards security deposit **or** amount equivalent to PBG through online mode (NEFT / RTGS) for the due fulfilment of the terms and obligations of CAMC contract within 14 days after award of work. This BG for 10% contract value should be initially valid for a period of FOUR (4) years with a claim period of additional six months.

b. After completion of four years the bank guarantee submitted above shall be further extended/renewed for a reduced amount equal to 50% (fifty percent) of the original BG amount for due fulfilment of the contract conditions for a further period of Four (4) years thereafter. The renewed Bank Guarantee should be submitted at least thirty days in advance before expiry of above referred BG. In case of failure on the part of firm to submit the renewed BG, initial 10% of BG will be invoked without any notice to the firm. In case of any delay in submission of the PBG, penalty will be deducted from the bills of the contractor at Bank rate.

c. Bank reserves the right to enforce the Bank Guarantee in case of unsatisfactory performance/service and violation of the terms, conditions of the DLP and CAMC set out in the

tender at any time during the currency of committed period of EIGHT (8) years (One-year DLP and 7 years CAMC).

Note: Contract value means capital cost of equipment.

3.7 All compensation/ penalties/ damages or other sums of money payable by the Contractor to the Bank under the terms of this Contract for completion period, DLP and CAMC periods may be deducted from his earnest money and the security deposit if the amount so permits unless the contractor deposits such amounts in cash within ten days of issue of demand notice by the Bank.

3.8 The tenderers shall furnish full details of all such similar works carried out by them during the last 05 years, as per the Performa included in this tender. The Bank at its discretion may inspect/ obtain feedback from one or all the works and satisfy itself about the performance of the installed equipment including the quality and reliability of the service rendered before opening Part II of the tenders. Thereafter, the Bank at its discretion will consider or reject any or all the tenders without assigning any reason thereof.

3.9 The Contractor shall carry out all the work strictly in accordance with drawings, details and instructions of the Bank's Engineer.

3.10 The rates quoted shall be firm and shall not be subjected to variations in exchange rate, rate of taxes, duties, levies or variation in labor rates. The rates shall be quoted for complete work, i.e., supply, installation, testing and commissioning of the equipment and shall include charges for all taxes, duties, levies, consumable, labor, transport, insurance for transit, storage and also agreement, workmen compensation & third-party liability policies, erection etc., at the specified site till the work is finally handed over to the Bank. No concessional form for any taxes, duties and levies will be issued by the Bank. Similarly, no import license will be issued by the Bank. Equipment, if required to be imported shall be arranged to be imported against the contractors own import license. All payments will be made at Bhubaneswar and will be in Indian rupees only.

3.11 Tenderers are advised to quote strictly as per BOQ. The schedule of quantities is based on probable quantities. The Contractor should note that unless otherwise stated the tender is strictly on item rate basis and his attention is drawn to the fact that rates for each and every item should be correct, workable and self-supporting. The quantities in the Schedule of Quantities approximately indicate the total extent of work but may vary to any extent and may even be omitted depending upon the site conditions and requirements solely at the discretion of the Bank thus altering the aggregate value of the Contract. No claim shall be entertained on this account.

3.12 As regards make of equipment acceptable to the Bank the tenderers are advised to refer to "Section V – Technical Specification" and to the List of Approved make of materials/equipment. The tenderer are advised to quote for the make out of the approved list, conforming to the specification and which is most economical. The tenderers are advised not to quote with

alternative equipment's. The tender shall be accompanied by leaflets/literatures giving complete technical & constructional details along with list of make of components of the equipment offered.

3.13. The tenderer must obtain for himself on his own responsibility and at his own expenses all the information which may be necessary for the purpose of making a tender and for entering into a contract and must examine the Drawings and must inspect the site of the work and acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto.

3.14. Evaluation of tenders:

- Tenders will be evaluated on the basis of capital cost of the system and taking into account the effect of rates quoted for comprehensive Annual Maintenance contract (CAMC) for a period of 07 years after the expiry of one year of defect liability / guarantee period.
- Tendered offers shall be evaluated on the basis of the **Total cost of ownership (TCO)** of owning the 2X20 KVA UPS System having 8 years of useful service life. The said TCO shall comprise:

S. No.	Description	Value
(a)	Capital Cost of 2X20 KVA UPS System	Say (A)
(b)	Rate for Comprehensive Annual Maintenance Contract (CAMC)	Say (B)
(c)	<p>Multiplying Factor (MF) for arriving NPV of comprehensive annual maintenance Service contract charges for the period of 7 years after 1 year defect liability period shall be calculated assuming 5% increase in contract amount every year after first year of AMC, quarterly payment and with a discount rate of 8%. Thus, the <i>Multiplying Factor (MF) for working out NPV of AMC for 7 years after (1 year guarantee period) shall be 5.68.</i></p> <p>Note:</p> <p>(i) AMC amount for calculating the NPV shall be taken as quoted in the Part II of the tender.</p> <p>(ii) Payment for AMC shall, however, be made strictly as per rates and amounts quoted in the Part II of tender under head of AMC</p>	
(d)	NPV of Owning the 2X20 KVA UPS System for 8 years of useful service life shall be worked out as $\{(A) + (B) \times MF\}$	Say (C)
(e)	The work will be awarded for the lowest value of (C) above.	

Total Cost of Ownership = Capital Cost (A) + 5.68*CAMC Rate(B)

Note:

- The total cost of ownership (TCO) shall be worked out as above. The bidder, who quotes the lowest total cost of ownership for the work, shall be considered the lowest bidder.
- **Minimum base rates for the Comprehensive AMC:** In case, the tenderer quotes the rates for the Comprehensive AMC lower than the 5% (FIVE) of the quoted capital cost than 5% of the quoted rates for capital cost will be considered for calculation of Total Cost of Ownership. However, AMC payments will be made as per the quoted rates only.
- **For Comprehensive AMC:** Notwithstanding the above, the Bank shall pay only the quoted rate of the AMC during the currency of the committed contract period subject only to escalation formulae indicated in the tender.

3.15 Scope of work during Warranty and Comprehensive Annual Maintenance Contract

Period: The equipment supplied shall be guaranteed against all types of defects for at least a period of one year from the date of handing over of the equipment to the Bank. Any defects in the system/sub-assemblies found within the guarantee period shall be rectified/replaced by the tenderer **free of cost**. During this period, **servicing at monthly interval or earlier** as prescribed by the manufacturer and as mutually agreed to during this period and attending to ANY NUMBER of breakdown calls, as prescribed by the manufacturer and as mutually agreed to, shall be carried out free-of-cost. Tenderer shall also indicate the service facility they can offer at the place of installation and the telephone number & address of their service center.

The tenderers shall also quote their charges separately for Annual comprehensive maintenance service contract after the expiry of the guarantee period as per the scope. This rate for the service contract shall be valid for a period of 1 year after expiry of guarantee period and payment shall be made on quarterly basis on rendering satisfactory service at **monthly** intervals. This also includes any number of breakdown calls.

The service contract rate shall also take into account the cost of all spares, all materials including hardware/ firmware etc., manpower and their insurance, including travel cost from the nearest service station. Comprehensive maintenance shall include the following over and above the recommendation of manufacturer.

- (i) The voltage between phases, neutral and earth may be measured periodically
- (ii) Periodic measurement of cell and terminal voltage of batteries to be carried out to prevent open circuit while the UPS is on battery mode.
- (iii) After ensuring the good health of batteries, these should be discharged periodically by operating the UPS on batteries.

- (iv) The UPS to be checked periodically by putting the mains supply OFF and running the UPS through batteries.
- (v) Running the UPS through DG supply.
- (vi) By putting the DG supply OFF and running the UPS through batteries.
- (vii) For PRS mode, by putting one unit OFF at a time for seamless load transfer.
- (viii) By putting both the unit ON with batteries and check load sharing of both the units.
- (ix) Restore the original condition and check the output parameters of UPS.

This being an emergency system, any fault in the system shall be rectified as per the rectification time given below failing which penalty shall be applied.

		Rectification time	Penalty
(a)	Any fault/defects in the system from the time of intimation by telephone/email/ message.	4 hours	Rs.1,000/- per day subject to maximum of 25% of the Annual Maintenance charges

The tenderers shall indicate details such as the service center from which the proposed systems at Bhubaneswar will be serviced, the staff strength at that center and the availability of spares for the system at that center. **This Comprehensive Annual Maintenance contract shall be renewed for an additional period of at least 6 years after the initial contract period valid till the end of two years (one year defect liability period and the one-year initial contract period).** While renewing the contract the new contract amount will be arrived at based on following formula.

$A_C = A_P \{15 + 60 \times (EPI_C/EPI_P) + 25 \times (CPI_C/CPI_P)\} \times 1/100$	
A _C	The contract amount for the current year
A _P	The contract amount for the previous year
EPI _C	Wholesale Price Index for Electrical products 6 months prior to the commencement date of contract for the current year
EPI _P	Wholesale Price Index for Electrical products 6 months prior to the commencement date of contract for the previous year
CPI _C	Consumer Price Index for Industrial Workers (All India Average) 6 months prior to the commencement date of contract for the current year.
CPI _P	Consumer Price Index for Industrial Workers (All India Average) 6 months prior to the commencement date of contract for the previous year

After completion of 8 years of service (i.e., one-year DLP and 7 years AMC), the escalation in AMC prices shall be continued as per the above formula and with mutual consent.

3.16 The tenderer should impart training to the Bank's staff for a period not less than one day on the system before handing over of the system without any charge to the Bank.

3.17 Insurance

The contractor shall take all insurances at his cost to cover all kinds of risks from the date of scheduled commencement of works till handing over the system to the Bank, in the **joint names of the Bank (the Bank's name being the first)** and the contractor. The same shall be submitted to the Bank within 14 days from the issuance of work order before commencement of work and it shall cover the following risks:

- Contractors all risk (CAR) insurance inclusive of Storage, erection, testing and commissioning policy for the full contract value including fire risk and Transit insurance for transportation from manufacturer's works to site (by Air/Sea/Road etc. as applicable.
- Workmen compensation policy for the employees of the contractor at site.
- Third party liability policy for a total of Rs.5 lakh and with a limit of Rs. 2 lakh per accident.

3.18 The tender shall be accompanied by leaflets/literatures giving complete technical & constructional details, makes of components of the equipment offered. **Tenderers are advised to visit the site of installations and acquaint themselves of the site conditions before tendering.** Tenderers should be specific and offer comments only if their system differs from the Bank's detailed specifications/ features in any manner. A write up of working of the system as a whole and the individual components shall also be enclosed. The successful tenderer, on completion of the work, shall furnish three sets of schematic and layout drawings and maintenance manuals.

3.19 Time allowed for carrying out the work as mentioned in the Memorandum shall be strictly observed by the Contractor and it shall be reckoned from the 14th day after written order to commence the work is issued. The work shall throughout the stipulated period of the Contract be proceeded with all due diligence and if the Contractor fails to complete the work within the specified period he shall be liable to pay compensation as per Contract. The tenderer shall before commencing work prepare a detailed work programme which shall be approved by the Bank's Engineer.

3.20. The Contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing of the work, whatever the cause of delays may be, including delays arising out of modifications to the work entrusted to him or in any sub-contract connected therewith or delays in awarding contracts for other trades of the project or in commencement or completion of such works or in procuring Government controlled or other building materials or in obtaining water and power connections for construction purposes or for

any other reason whatsoever and the Employer shall not be liable for any claim in respect thereof. The Employer does not accept liability for any sum besides the tender amount, subject to such variations as are provided for herein.

3.21. The successful tenderer is bound to carry out any items of work necessary for the completion of the job even though such items are not included in the quantities and rates. Schedule of instructions in respect of such additional items and their quantities will be issued in writing by the Architect with the prior consent in writing of the Employer.

3.22. The successful tenderer must co-operate with the other contractors appointed by the Employer so that the work shall proceed smoothly with the least possible delay and to the satisfaction of the Employer.

3.23. The Contractor must bear in mind that all the work shall be carried out strictly in accordance with Specifications made by the Architects/Bank's Engineer and also in compliance of the requirements of the local public authorities and to the requirements of the Indian Electricity Rules and no deviation on any account will be permitted.

3.24 Before dispatching the equipment to site, the equipment may be inspected by the Bank's Engineer at the manufacturer's site and then cleared for shipment. The contractor shall at his own expense, offer to the Inspector all reasonable facilities as may be necessary for satisfying himself, that the equipment/execution of work is being and/or have been manufactured/executed in accordance with specifications laid down in the particular specifications attached to this tender documents. The Bank's Engineer shall have full and free access at any time during the execution of the contract to the Contractor's works or site in case of execution of work for the purpose aforesaid, and he may require the contractor to make arrangements for inspection or work or any part thereof or any material at his premises or at any other place specified by the Bank's Engineer and if the contractor has been permitted to employ the service of a sub-contractor, reserve to the Bank's Engineer a similar right.

This will however, not in any way absolve the contractor of his responsibility about proper performance of the system/components after erection & commissioning at the designated site.

3.25 **Cost of Inspection:-** The contractor shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Bank's Engineer may demand of him for any test/inspection and examination which he shall require to be so made on the contractor's premises and shall bear and pay all costs attendant thereon. However, cost of traveling, boarding and lodging of Bank's Engineer (s) to the site of inspection shall be borne by the Bank.

3.26 **Method of Testing:-**

(a) The UPS system shall be tested in the manufacturer's factory/Contractor's works to ascertain the compliance of offered specifications.

(b) Before offering the UPS system to the Bank for testing, the firm shall carry out the various tests mentioned in the tender in their factory and forward the copy of those test reports to the Bank along with invitation for Bank's testing. All the testing facilities should be available at the time of testing of UPS by the Bank's engineers. Satisfactory performance at this stage meeting the prescribed limits will only be construed as acceptance of the UPS. UPS which falls short of the prescribed specifications is liable to be rejected.

(c) Further, the UPS system shall be tested at the site for proper functioning and performance.

3.27 Inspector Authority to certify performance: - The Bank's Engineer shall have the power:

- a) Before any equipment or part thereof are submitted for inspection to certify that they or any portion thereof are not in accordance with the contract owing to adoption of any unsatisfactory method of manufacture.
- b) To reject any equipment or parts submitted as not being in accordance with the specification;
- c) To reject the whole of the equipment tendered for inspection, if after inspection of such portion thereof as he may in his discretion think fit, he is satisfied that the same is unsatisfactory; and
- d) To mark the rejected equipment or parts with a rejection mark so that it may easily be identified if re-submitted.

3.28 Consequence of rejection: If on the equipment or the equipment or its part thereof, being rejected by the Bank's Engineer the contractor fails to make satisfactory supplies or rectify the faulty work thus executed within the stipulated period of delivery/completion period, the Bank shall be at liberty to :

- i) Allow the contractor to re-submit the equipment or parts in replacement of those rejected, within a time to be specified, the contractor bearing the cost of freight if any, on such replacement without being entitled to any extra payments on that account; or
- ii) Purchase/execute or authorize the purchase/execution of quantity/work of the equipment or parts rejected or others of a similar description (when equipment or parts exactly complying with specifications are not in the opinion of the Bank which shall be final, readily available) to the contractor at his risk and cost and without affecting the contractor's liability as regards supply under the contract; or
- iii) Cancel the contract and purchase/execute or authorize the purchase/execution of the equipment or others of a similar description (when equipment or parts exactly complying with specifications are not in the opinion of the Bank, which shall be final, readily available) at the risk and cost of the contractor. In the event of action being taken under such clause (b) above or this clause the provision of delivery clause apply as far as applicable.

3.29 Bank's Engineer decision as to rejection final: - The Bank's Engineer 's decision as regards the rejection shall be final and binding on the contractor subject to contractor's appeal.

3.30 **Payment Terms:** The following terms of payment, subject to statutory deductions, shall be applicable to this contract:

The following terms of payment, subject to statutory deductions, shall be applicable to this contract:

(a) 60% value of the quoted rate shall be released on pro rata installment basis, after equipment's is/are tested in the factory and on delivery of the same together with all the ancillary items and are accepted at site by the Employers authorized representatives along with submission of following documents.

- i. Manufacturer's inspection and test certificate
- ii. Certificate that all the components, parts, subsystems, consumables etc., for successful installation, commissioning and testing of the systems including maintenance have been received at site in good condition and if any shortfall is noticed during installation, commissioning and testing they will be supplied free to the Bank.
- iii. Policies of insurance as per tender conditions.

(b) Balance 40% of the quoted rate on satisfactory completion of erection, testing, commissioning and handing over the system to the Bank and on submission of Bank Guarantee amounting to 10% of the contract amount valid for a defect liability period of 1year plus 3 months (completion time). In addition, there will be 6 months extra claim period. If the contractor fails to submit a fresh PBG as per clause 3.6 within the time limit, RBI Bhubaneswar will have the whole right to invoke the earlier BG.

N.B.: Retention Money of 5% of the bill value shall be deducted from each bill as security towards defect liability period. The same shall be returned after 1 year of DLP.

(c) In addition, I.T., TDS and any other statutory tax as per the Government rules shall be deducted from all the bills.

3.31 **Liquidated Damages:** Time is the essence of the contract. The entire work shall be completed within 60 days from the 14th day of letter of acceptance failing which liquidated damages at a rate of 0.25 % of contract value per week of delay beyond the stipulated period with an upper ceiling of 10% of the contract amount, will be levied. The successful tenderer shall submit a Bar Chart programme for completion of supply, erection & commissioning of the various components & sub-assemblies.

3.32 The successful tenderer shall execute an agreement with the Bank on stamped paper within 14 days of receipt of letter of acceptance. However, the issue of letter of acceptance by

the Bank shall be construed as a binding contract, as though such an agreement has been executed and all the terms and conditions shall apply on this contract.

3.33 The payment for the system will be made by Bhubaneswar Office to which the system is supplied and installed. Any dispute arising out of this contract will also be sorted out within the jurisdiction of Bhubaneswar.

3.34 The tenderer shall furnish the name and address of the Bankers with whom they normally Bank. They shall also furnish the name and addresses of their recent clients for whom they have carried out similar works/supplies in the recent past, along with full details like the cost and capacity of the system/machine supplied, the date of the supply etc.

3.35 The Contractor shall have to submit work measurements and abstract in bound volume Measurement Books (MBs) duly machine numbered for pages. The pages of these measurement books should be A4 size. The MBs shall be printed in the format as mentioned by the Bank. MB number will be given by the Bank.

3.36 The Bank reserves the right to accept or reject any or all the tenders either in full or in part without assigning any reasons thereof.

3.37 The Contractor shall strictly comply with the provision of safety code annexed hereto.

I/We have understood all the above-mentioned conditions and they are acceptable to me/us.

Place:

Date:

Seal and Signature of Tenderer

SAFETY CODE

- 1 There shall be maintained in a readily accessible place first aid appliance including adequate supply of sterilized dressings and cotton wool.
- 2 An injured person shall be taken to a public hospital without loss of time, in cases where the injury necessitates hospitalization.
- 3 Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from ground.
- 4 No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30cm. (clear) and the distance between two adjacent rungs shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding the ladder.
- 5 The excavated material shall not be placed within 1.5 metres of the edge of the trench or half of the depth of trench whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
- 6 Every opening in the floor of building or in a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be one metre.
- 7 No floor, roof or other part of the structure shall be so overloaded with debris or materials as to render it unsafe.
- 8 Workers employed on mixing and handling materials such as asphalt, cement mortar, concrete and lime mortar shall be provided with protective footwear and rubber hand-gloves.
- 9 Those engaged in welding works shall be provided with welder's protective eye shields and gloves.
- 10 (i) No paint containing lead or lead products shall be used except in the form of paste or readymade paints.

(ii) Suitable facemasks should be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint is dry rubbed and scrapped.
- 11 Overalls shall be supplied by the Contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during the periods of cessation of work.
- 12 Hoisting machines and tackle used in the works, including their attachments, anchorage and supports shall be in perfect condition.

- 13 The ropes used in hoisting or lowering material or as a means of suspension shall be of durable quality and adequate strength and free from defects.
- 14 The vendor shall take all COVID-19 related measure/precautions to the workers deployed by him for the work like issuing and wearing mask at all times, sanitising hands frequently etc., as per orders issued by MHA, Government of India / the state government/ the Bank time to time.

FIRE SAFETY

- i. Cutting / drilling machine and other electrically operated equipments used at site shall be plugged into correctly rated electrical outlets.
- ii. Only ISI marked 3 pin plug and other appliances and equipments shall be used.
- iii. Electrical power cables/wires used shall not have any joints and shall be properly rated.
- iv. All electrical appliances i.e. welding, drilling, cutting machine etc. shall be safely and securely earthed to prevent leakage current while in operation.
- v. Before commencing the welding work for the first time on any day, fire section shall be informed and only after the site inspection by the Fire officers/Personnel, work shall be started.
- vi. Two buckets of water and sand shall be kept in an easily accessible area on the site.
- vii. Fire extinguishers recommended and issued by fire officers shall be kept on the site.
- viii. Used paint drums shall be stored in specified store only after closing them properly.
- ix. Personal protective equipments such as safety shoes, hand gloves, welder's mask, ear plug etc. depending upon the requirement of the work shall be provided by the contractor to the workmen to prevent occupational health hazards.
- x. The safety belt shall be provided by the contractor and used by the workmen while working from height for more than 10' from Ground level.
- xi. None of the passages near lift lobby and staircases shall be used for stacking / dumping any kind of materials/waste.
- xii. None of the fire extinguishers shall be removed/shifted from its designated location.
- xiii. Power supply shall be switched off from the mains when equipment is not in use.
- xiv. Wood-shavings and saw-dust generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
- xv. Any debris generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
- xvi. Battery operated emergency light/torches shall be provided by the contractor to the workmen while working beyond office hours.

Section- IV

The Conditions Hereinafter Referred To

Interpretation clause

4.1 In construing these Conditions, the Specifications, Schedule of Quantities and Contract Agreement, the following words shall have the meanings herein assigned to them except where the subject or context otherwise required.

a) "Employer"	Shall mean the Reserve Bank of India and shall include its assigns and successors.
b) "Contractor" (in the case of partnership) (in the case of individual) (in the case of Company)	"Contractor" shall mean _____ and _____ trading in the name and style of _____ and having a place of business at _____ and shall include the partners for the time being of the said firm and the legal representatives of a deceased partner. "Contractor" shall mean Shri _____ trading in the name and style of _____ and shall include his heirs, successors and legal representatives. "Contractor shall mean _____ a company incorporated under _____ and having its registered office at _____ and shall include its successors and assigns.
c) "Site"	Shall mean the site of the contract works including any Buildings and erections thereon and any other land (inclusively) as aforesaid allotted by the Employer for the Contractor's use.
d) "This Contract"	Shall mean the Article of Agreement, General Instructions to Contractors and Special Conditions, the Conditions, the Appendix, the Schedule of Quantitates and Specifications etc., attached hereto and duly signed.
e) "Notice in writing"	Or written notice shall mean a notice in written, typed or printed or written notice characters sent (unless delivered personally otherwise proved to have been received) by registered post to the last known private or business address or registered office of the addressee and shall be deemed to

	have been received when in the ordinary course of post it would have been delivered.
f) "Act of Insolvency"	Shall mean any Act of insolvency as defined by the Presidency Towns Insolvency Act, or the Provincial Insolvency Act or any Act amending such original.
g) "Net Prices"	If in arriving at the contract amount the Contractor shall have added to or deducted from the total of the items in the Tender any sum, either as a percentage or otherwise, then net price of any item in their tender shall be the sum arrived at by adding to or deducting from the actual figure appearing in the Tender as the price of that item a similar percentage or proportionate provided always that in determining the percentage or proportion of the sum so added or deducted by the Contractor the total amount of any Prime cost items and provisional sums of money shall be deducted from the total amount of the tender. The expression "net rates" or "net prices" when used with reference to the contract or account shall be held to mean rates or prices so arrived at.
h) "The works"	Shall mean "Design, Supply, Installation, Testing and Commissioning of 2x20 KVA UPS system in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar".

Word importing persons include firms and corporations. Word importing the singular only also include the plural and vice-versa where the context requires.

4.2 **Scope of Contract**

4.2.1 The Contractor shall carry out and complete the said work in every respect in accordance with this Contract and with the directions of and to the satisfaction of the Employer. The Employer may in his absolute discretion and from time-to-time issue further drawings and/or written instructions, details, directions and explanations, which are hereafter collectively referred to as "Employer's Instructions" in regard to:

- (a) The variation or modification of the design, quality or quantity of works or the addition or omission or substitution of any work.
- (b) Any discrepancy in the Drawings or between the Schedule of Quantities and/or Drawings and/or Specifications.

- (c) The removal from the site of any materials brought thereon by the Contractor and the substitution of any other material therefor.
- (d) The removal and/or re-execution of any works executed by the Contractor.
- (e) The dismissal from the works of any persons employed thereupon.
- (f) The opening up for inspection of any work covered up.
- (g) The amending and making good of any defects under Clause 4.28 & 4.29 hereof.

4.2.2 Scope of contract includes, but is not limited to, the following:

- a) The coordination, scheduling and management of work of component suppliers and subcontractors.
- b) Provide materials as specified in the technical specifications.
- c) Assembly, Installation and Commissioning of all items as specified and handing over the completed 2x20 KVA UPS system in in N+1 parallel redundant mode to the Employer.
- d) Comprehensive Annual Maintenance of the system for an additional period of at least 6 years after the initial contract period valid till the end of two years (one year defect liability period and one year initial CAMC).

4.3 Contractor's Duties

Contractor's duties include the following:

- a) Provide and pay for labour, materials and equipment, tools, construction equipment and machinery and other facilities and services necessary for the proper execution and completion of the specified works.
- b) Secure and pay for required permits, statutory workman's compensation insurance, fees and licenses necessary for proper execution and completion of required work.
- c) Give required notices.
- d) Promptly submit written notice to the Employer of observed variance of this Specification from legal requirements.
- e) Enforce strict discipline and good order among employees. Do not employ persons unskilled in assigned task.

4.4 Variations to be approved by Employer

The Contractor shall submit a statement of variations giving a quantity and rates duly supported by analysis of rates, vouchers etc. The rates on scrutiny and final acceptance by the Employer shall form a supplementary tender. The Employer shall not be liable for payment of such variations until these statements are sanctioned by it.

4.5 Drawings, Schedule Of Quantities & Agreement

The Contract shall be executed in duplicate and the Contractor shall be entitled to one executed copy for his use. Before the issue of the final certificate to the Contractor, he shall forthwith return to the Employer all Drawings and Specifications.

4.6 Work sequence

The successful Contractor shall include all costs in the tender to complete the works in the time schedule as given by him in the work schedule table. By submitting a tender, the Contractor agrees that they have reviewed the project specifications and drawings, toured the jobsite, and will complete all work in accordance with the overall time period as per the approved schedule. The scheduled time period starts from the 10th day after a notice to proceed or contract is received from the Employer. The Contractor shall provide a detailed construction schedule, in accordance with the time frame approved as per the work task schedule, prior to award of the project.

4.7 Contractor's use of Estate

The site of the work is an occupied building. Contractor's use of Estate shall be subject to following:-

- a) Confine operations at the site to areas permitted by law, ordinances, permits, Specification, and Employer's specific instructions.
- b) Do not unreasonably encumber the site with materials or equipment. Staging area shall be located as directed by the Employer.
- c) Assume full responsibility for protection and safekeeping of tools and products stored on or off Estate.
- d) Move stored products which interfere with operations of building or the operations of other trades.
- e) Obtain and pay for use of additional storage or work areas needed for operations.

4.8 Contractor to provide everything necessary at his cost

The Contractor shall provide at his cost, everything necessary for the proper execution of the works according to the intent and meaning of the Drawings, Schedule of Quantities and Specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred therefrom and if the Contractor finds any discrepancy in the Drawings or between the Drawings, Schedule of Quantities and Specifications, he shall immediately and in writing refer same to the Employer who shall decide which is to be followed. The Contractor shall provide all works under this specification in full accordance with Health and Safety Regulations.

4.9 No disruption to normal office functions

This project is to be executed in an occupied office building. It is essential that the Contractor gives special attention and priority to all matters concerning safety, protection from dust and loose materials, reduction of noise levels, protection from water and air infiltration into building, and maintenance of neat and orderly conditions in and around work areas inside and outside of building. Packaging, scrap materials and demolition debris shall be promptly removed from the building and site on a daily basis.

4.10 If the contract includes works, which will be disruptive during normal business operations, or would be dangerous to building occupants, said works shall be performed during hours as the Employer dictates. Examples of such work include, without limitation, saw cutting of concrete, jack hammering, welding, metal cutting, pouring concrete, erecting steel or hoisting equipment over occupied portions of the building ETC. The Contractor shall perform such works during Employer dictated hours and shall include all costs in its tender.

4.11 The Contractor shall keep noise levels below 75 dB during normal building hours. When it is necessary to produce noise above this level, the Contractor shall advise the Employer of such needs and times will be scheduled as directed. The Contractor shall anticipate any excessive noise generating procedures and include an allowance for it in the tender.

4.12 Protection of Work and Property

The Contractor shall install a suitable protective covering on all finished floors in areas where the works are being performed. No material handling equipment shall be permitted on or over finished floors unless said floors have been protected in a manner approved by the Employer. Any damage to building finishes caused by the Contractor shall be refinished at no additional cost to the Employer. The Contractor shall take photographs of any adjacent finishes that may be damaged during the works for a photographic record. The Contractor shall take due care for protection of the work and Employer's property.

4.13 Authorities, Notices and Patents

The Contractor shall conform to the provisions of any Act of the Legislature relating to the works, and to the regulations and bye-laws of any authority, and of electric supply and other companies and/or authorities with whose systems, the installation is proposed to be connected and shall, before making any variations from the Drawings or Specifications that may be necessitated by so conforming, give to the Employer, written notice, specifying the variation proposed to be made and the reason for making it and apply for instructions thereon. In case the Contractor shall not

receive such instructions within ten days, he shall proceed with the work conforming to the provisions, regulations or bye-laws, in question, and any variation so necessitated shall be dealt with under Clause No. 4.22 & 4.26 thereof.

The Contractor shall bring to the attention of the Employer, all notices required by the said Acts, regulations or bye-laws to be given to any authority and pay to such authority, or to any public office, all fees that may be properly chargeable in respect of the works, and lodge the receipts with the Employer.

The Contractor shall indemnify the Employer against all claims in respect of rights, and shall defend all actions arising from claims, and shall himself pay all royalties, license fees, damages, cost and charges of all and every sort that may be legally incurred in respect thereof.

4.14 Setting out of work

The Contractor shall set out the works and shall be reasonable for the true and perfect setting out of the same and for the correctness of the positions, levels, dimensions, and alignment of all parts thereof. If at any time any error in this respect shall appear within a period of five year from the completion of the works, the Contractor shall, if so required, at his own expense, rectify such error to the satisfaction of the Employer.

4.15 Materials and workmanship to conform to the descriptions

All materials and workmanship shall so far as procurable be of the respective kinds described in the Schedule of Quantities and/or Specifications and in accordance with the Employer's instructions, and the Contractor shall upon the request of the Employer furnish him with all invoices, accounts receipts and other vouchers to prove that the materials comply therewith. The Contractor shall at his own cost arrange for and/or carry out any test of any materials which the Employer may require.

4.16 Contractor's superintendence and representative on the works

The Contractor shall give all necessary personal superintendence during the execution of the works, and as long thereafter as the Employer may consider necessary until the expiration of the "Defects Liability Period" stated in the Appendix hereto. The Contractor shall also during the whole time the works are in progress, employ a competent representative who shall be constantly in attendance at the works while the men are at work. Any directions, explanations, instructions or notices given by the Employer to such representative shall be held to be given to the Contractor.

4.17 Dismissal of Workmen

The Contractor shall on the request of the Employer, immediately dismiss from the works, any person employed thereon by him who may, in the opinion of the Employer, be incompetent or misconduct himself and such persons shall not be again employed on the works, without the permission of the Employer.

4.18 Access to Works

The Employer and their respective representatives shall at all reasonable times have free access to the works and/or the workshops, factories or other places where materials are lying or from which they are being obtained and the Contractor shall give every facility to the Employer and their representatives necessary for inspection and examination and test of the materials and workmanship. No person not authorised by the Employer except the representatives of public authorities shall be allowed on the works at any time.

4.19 Assistant Manager (Tech) / Manager (Tech)

The term “Assistant Manager (Tech)/Manager (Tech)” shall mean the person appointed and paid by the Employer to inspect the works, the Contractor shall afford the Assistant Manager (Tech) / Manager (Tech), every facility and assistance for inspecting the works and materials and for checking and measuring time and materials. The Assistant Manager (Tech)/Manager (Tech) shall have power to set out works or to revoke, alter, enlarge or relax any requirements of the Contract or to sanction any work, additions, alterations, deviations or omissions or any extra work whatever, except in so far as such authority may be specially conferred by a written order with the prior concurrence in writing of the Employer.

The Assistant Manager (Tech)/Manager (Tech) or any representative of the Employer shall have power to give notice to the Contractor or to his representative of non-approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued by the Assistant Manager(Tech)/Manager (Tech) but such examination shall not in any way exonerate the Contractor from the obligation to remedy any defects which may be found to exist at any stage of the works or after the same is completed.

4.20 Assignments and Sub-letting

The whole of the works included in the Contract shall be executed by the Contractor and the Contractor shall not directly or indirectly transfer, assign or under-let the Contract or any part

share thereof or any interest therein without the prior written consent of the Employer, and no undertaking shall relieve the Contractor from the full and entire responsibility of the Contract or from active superintendence of the works during their progress.

4.21 Alterations, additions, Omissions etc.

No alteration, omission or variation shall vitiate this Contract but in case the Employer thinks proper at any time during the progress of the works to make any alterations in or additions to or omissions from the works or any alteration in the kind or quality of the materials to be used therein and shall give notice thereof in writing under his hand to the Contractor, the Contractor shall alter, add to or omit from, as the case may be, in accordance with such notice but the Contractor shall not do any work extra to or make any alterations or additions to or omissions from the works or any deviation from any of the provisions of the Contract, Stipulation, Specifications or Contract Drawings without the previous consent in writing of the Employer and the value of such extras, alterations, additions or omissions shall in all cases be determined with the prior approval in writing of the Employer in accordance with the provisions of Clause 4.26 hereof, and the same shall be added to or deducted from the Contract Amount, as the case may be, accordingly.

4.22 Schedule of Quantities

The Schedule of Quantities, unless otherwise stated, shall be deemed to have been prepared in accordance with the Standard Method of Measurement.

Any error in description or in quantity or in omission of items from the Schedule of Quantities shall not vitiate this contract but shall be rectified and the value thereof as ascertained under Clause 4.26 hereof, shall be added to, or deducted from the Contract Amount (as the case may be) provided that no rectification of errors, if any, shall be allowed in the Contractor's Schedule of Rates.

4.23 Sufficiency of Schedule of Quantities

The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the prices stated in the Schedule of Quantities and/or the Schedule of Rates and Prices which rates and prices shall cover all his obligations under the Contract, and all matters and things necessary for the proper completion of the works.

4.24 Measurement of Works

The Assistant Manager (Tech)/Manager (Tech) may from time to time intimate to the Contractor and the Employer that he requires the works to be measured, and the Contractor shall forthwith

attend or send a qualified Agent to assist the Assistant Manager (Tech)/Manager (Tech) in taking such measurements and calculations and to furnish all particulars or to give all assistance required by any of them.

Should the Contractor not attend or neglect or omit to send such Agent, then the measurement taken by the Assistant Manager (Tech)/Manager (Tech) shall be taken to be correct measurements of the works. Such measurements shall be taken in accordance with the Mode of Measurement detailed in the Specifications.

The Contractor or his Agent may at the time of measurement take such notes and measurements as he may require.

All authorised extra works, omissions and all variations made with the prior approval in writing of the Employer shall be included in such measurements.

4.25 Prices for extra etc. ascertainment of

The Contractor may, when authorized by Employer, add to, omit from, or vary the works shown upon the drawings, or described in the Specification, or included in the Schedule of Quantities, but the Contractor shall make no addition, omission or variation without such authorization or direction. A verbal authority or direction by the Employer shall, if confirmed by him in writing within seven days, be deemed to have been given in writing.

No claim for any extra shall be allowed unless it shall have been executed under provisions of Clause 4.14, 4.22 & 4.23 hereof with the concurrence of the Employer as herein mentioned.

Any such extra is herein referred to as authorized extra and shall be made in accordance with the following provisions.

(a) (i) The net rates or prices in the original tender shall determine the valuation of the extra work where such extra work is of similar character and executed under similar conditions as the work priced therein.

(ii) Rates for all items, wherever possible, should be derived out of the rates given in the Priced Schedule of Quantities.

(b) The net prices of the original tender shall determine the value of the items omitted, provided if omissions vary the conditions under which any remaining items of works are carried out, the prices for the same shall be valued under sub-clause (c) hereof.

(c) Where the extra works are not of similar character and/or executed under similar conditions as aforesaid or where the omissions vary the conditions under which any remaining items of works are carried out or if the amount of any omission or additions relative to the amount of the whole of the Contract works or to any part thereof shall be such that in the opinion of the Employer the net rate or price contained in the Priced Schedule of Quantities or tender or for any item of the works involves loss or expense beyond that reasonably contemplated by the Contractor or is

by reason of such omission or addition rendered unreasonable or inapplicable, the Employer shall fix such other rate or price as in the circumstances he shall think reasonable and proper.

(d) Where extra work cannot be properly measured or valued, the Contractor shall be allowed day work prices at the net rates in accordance with the local day work rates and wages for the district, provided that in either case vouchers specifying the daily time and materials employed, be delivered for verification to the Employer at or before the end of the week following that in which the work has been executed plus 15% towards establishment charges, contractor's overhead and profits.

The measurement and valuation in respect of the Contract shall be completed within the "period of final measurement" stated in the Appendix, or if not stated, then defined in Clause 4.30 hereof.

4.26 Unfixed materials when taken into account to be the property of the Employer

Where in any Certificate (of which the Contractor has received payment) the Employer has included the value of any unfixed materials intended for and/or placed on or adjacent to the works, such materials shall become the property of the Employer and they shall not be removed except for use upon the works, without the written authority of the Employer. The Contractor shall be liable for any loss of or damage to such materials.

4.27 Removal of improper work

The Employer shall, during the progress of the works, have power to order in writing from time to time the removal from the works within such reasonable time or times, as may be specified in the order, of any materials which in the opinion of the Employer are not in accordance with the Specifications or the instructions of the Employer, the substitution of proper materials, and the removal and proper re-execution of any work executed with materials or workmanship not in accordance with the Drawings and Specifications or instruction, and the Contractor shall forthwith carry out such order at his own cost. In case of default on the part of the Contractor to carry out such order, the Employer shall have the power to employ and pay the other persons to carry out the same, and all expenses consequent thereon, or incidental thereto shall be borne by the Contractor, or may be deducted by the Employer from any moneys due, or that may become due, to the Contractor.

4.28 Defects after virtual completion

Any defect, shrinkage, settlement or other faults which may appear within the "Defects Liability Period" stated in the Appendix hereto, if none stated, then within DLP after the virtual completion of the works, arising in the opinion of the Employer from materials or workmanship not in

accordance with the contract, shall upon the directions in writing of the Employer, and within such reasonable time as shall be specified therein, be amended and made good by the Contractor, at his own cost and in case of default, the Employer may employ and pay other persons to amend and make good such defects, other faults, and all damages, loss and expenses consequent thereon or incidental thereto shall be made good and borne by the Contractor and such damage, loss and expenses shall be recoverable from him by the Employer or may be deducted by the Employer from any moneys due or that may become due to the Contractor, or the Employer may in lieu of such amending and making good by the Contractor deduct from any money due to the Contractor a sum to be determined by the Employer equivalent to the cost of amending such work and in the event of the amount retained as Security Deposit being insufficient, recover the balance from the Contractor, together with any expenses the Employer may have incurred in connection therewith. Should any defective work have been done or material supplied by any Sub-Contractor employed on the works who has been nominated or approved by the Employer as provided in various clauses hereof, the Contractor shall be liable to make good in the same manner as if such work or material had been done or supplied by the Contractor and been subject to the provisions of this Clause and Clause 4.2 hereof. The Contractor shall remain liable under the provision of this Clause, notwithstanding the signing of any certificate or the passing of any accounts, by the Employer.

4.29 Certificate of virtual completion and Defects Liability Period

The works shall not be considered as completed until the Employer has certified in writing that they have been virtually completed. The Defects Liability Period shall commence from the date of such Certificate.

4.30 Nominated Sub-Contractor

All Specialists, Merchants, Tradesman and others executing any work of supplying and fixing any goods, for which prime cost prices or provisional sums are included in the Schedule of Quantities and/or Specifications, who may be nominated or selected by the Employer are hereby declared to be Sub-Contractors employed by the Contractor and are herein referred to as nominated Sub-Contractors.

No nominated Sub-Contractors shall be employed on or in connection with the works against whom the Contractor shall make reasonable objection or (save where the Employer and Contractor shall otherwise agree) who will not enter into Contract providing.

(a) That the nominated Sub-Contractors shall indemnify the Contractor against the obligation in respect of the Sub-Contractor as the Contractor is under in respect of this Contract.

(b) That the nominated Sub-Contractor shall indemnify the Contractor against claims in respect

of any negligence by the Sub-Contractor, his servants or agents or any misuse by him or them of any scaffolding or other plant, the property of the Contractor or under any Workmen's Compensation Act in force.

- (c) Payment shall be made to the nominated Sub-Contractor within fourteen days provided that all nominated Sub-Contractor's accounts included in previous Certificates have been duly discharged, in default whereof, the Employer may pay the same and deduct the amount thereof from any sums due to the Contractor. The exercise of this power shall not create privity of contract as between Employer and Sub-Contractor.

4.31 Other persons employed by Employer

The Employer reserves the right to use the Estate and any portions of the site for the execution of any work not included in this Contract, which it may desire to have carried out by other persons, and the Contractor shall allow all reasonable facilities for the execution of such work but shall not be required to provide any plant or materials for the execution of such work. Such work shall be carried out in such manner as not to impede the progress of the works included in the Contract and the Contractor shall not be responsible for any damage or delay which may happen to or occasioned by such work.

4.32 Insurance in respect of damage to person and property

The Contractor shall be responsible for all injury to persons, animals or things, and for all structural and decorative damage to property which may arise from the operation or neglect of himself or of any nominated Sub-Contractor or any employee or either, whether such injury or damage arises from carelessness, accident or any other cause whatever, in any way connected with the carrying out of this Contract. This liability under this clause shall be held to include inter alia, any damage to buildings, whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths, bridges or ways as well as all damage caused to the buildings and other structures and works forming the subject matter of this Contract. The contractor shall also be responsible for any damage caused to the buildings and other structures and works forming the subject matter of this Contract by frost, rain, wind or other inclemency of weather. The Contractor shall indemnify and keep indemnified the Employer and hold him harmless in respect of all and any loss and expenses arising from any such injury or damage to persons or property as aforesaid and also against any claim made in respect of injury or damage, whether under any Statute or otherwise and also in respect of any award of compensation or damages consequent upon such claim. **The contractor shall, at his own expense, effect and maintain till issue of the completion certificate under this contract, with an insurance company approved by the Employer, an All Risks Policy for insurance for an amount equal to the amount of the**

contract including fire and earthquake risk in the joint names of the Employer and the contractor (the name of the former being placed first in the policy) against all risks as per the standard all risk policy for contractors and deposit such policy or policies with the employer before commencing the works. The Contractor shall reinstate all damage of every sort mentioned in this Clause, so as to do delivery of the whole of the Contract works complete and perfect in every respect and so as to make good

or otherwise satisfy all claims for damage to the property of third parties. The Contractor shall also indemnify and keep indemnified the Employer against all claims which may be made against the Employer by any person/ member of the public or other **third party** in respect of anything which may arise in respect of the works or in consequence thereof and **shall at his own expense arrange to effect and maintain, until the completion of the Contract, with an Insurance company approved by the employer a policy of Insurance in the joint names of the Employer and the Contractor(the name of the former being placed first in the policy) against such risks and deposit such Policy or Policies with the Employer before commencement of the work.** The minimum limit of coverage under the policy shall be as defined elsewhere under General instructions to the tenderer. The Contractor shall also similarly indemnify the Employer against all claims which may be made upon the Employer whether under the **Workmen Compensation Act** or any other statute in force during the currency of this contract or at Common Law in respect of any employee of the Contractor or any Sub-Contractor and **shall at his own expenses effect and maintain, until the completion of the Contract, with an Insurance company approved by the employer a policy of Insurance in the joint names of the Employer and the Contractor(the name of the former being placed first in the policy) against such risks and deposit such Policy or Policies with the Employer from time to time during the currency of the Contract.** In default of the contractor ensuring as provided above, the employer may so ensure and may deduct the premiums paid from any money due or which may become due to the contractor.

The Contractor shall be responsible for any liability which may be excluded from the Insurance Policies above referred to and also for all other damages to any person, animal or property arising out of and incidental to the negligent or defective carrying out of this Contract, whatever may be the reasons due to which the damage shall have been caused. He shall also indemnify and keep indemnified the Employer in respect of all and any costs, charges or expenses arising out of any claim or proceedings relating to the works and also in respect of any award of compensation or damages, arising there from. without prejudice to the other rights of the employer against contractor in respect of such default, the Employer shall be entitled to deduct from any sums payable to the Contractor the amount of any damage, compensation, costs, charges and other expenses paid by the employer and which are payable by the contractor under this clause. The contractor shall upon settlement by the insurer of any claim made against the insurer pursuant to

a policy taken under this clause proceed with due diligence to rebuild or repair the works destroyed or damaged. In this event all the money received from the insurer in respect of such damage shall be paid to the contractor and the contractor shall not be entitled to any further payments in respect of the expenditure incurred for rebuilding or repairing of the materials or goods destroyed or damaged.

The contractor, in case of re-building or reinstatement after damage shall be entitled to such extension of time for completion as the Employer may deem fit, but shall, however, not be entitled to reimbursement by the employer of any shortfall or deficiency in the amount finally paid by the insurer in settlement of any claim arising as set out herein.

4.33. Without prejudice to his liability under this clause, the contractor shall also cause all nominated sub-contractors to effect, for their respective portions of works similar policies of insurance in accordance with the provisions of this clause and shall produce or cause to produce to the employer such policies. The contractor shall not permit a nominated sub-contractor to commence work at site unless said insurance policies are submitted. In the event of failure, of the sub-contractor to take out such policy or policies of insurance before commencing the works at site, the contractor shall be responsible for any claim or damage attributable to the said sub-contractor.

4.34 Date of Commencement and Completion

The Contractor shall be allowed admittance to the site on the "Date of Commencement" stated in the Appendix hereto or such later date as may be specified by the Employer and he shall thereupon and forthwith begin the works and shall regularly proceed with and complete the same (except such painting or other decorative work as the Employer may desire to delay) on or before the "Date of Completion" stated in the Appendix subject nevertheless to the provisions for extension of time hereinafter contained.

4.35 Damages for Non-completion

If the Contractor fails to complete the works within the period stated in the Appendix Here in before referred to or within any extended time under Clause 4.37 hereof and the Employer certifies in writing that in his opinion the same ought reasonably to have been completed, the Contractor shall pay the Employer the sum named in the Appendix as "Liquidated Damages" for the period during which the said works shall so remain incomplete and the Employer may deduct such damages from any moneys due to the Contractor. The contractor hereby specifically agrees and authorizes the Employer to deduct such liquidated damages, if any, from any installment of payment becoming due and payable to the contractor in terms of this contract or from the retention money."

4.36. Delay and Extension of Time

If in the opinion of the Employer, the works be delayed (a) by force majeure or (b) by reason of any exceptionally inclement weather or (c) by reason of proceedings taken or threatened by or dispute with adjoining or neighbouring owners or public authorities arising otherwise than through the Contractor's own default or (d) by the works or delays of other Contractors or Tradesmen engaged or nominated by the Employer and not referred to in the Schedule of Quantities, and/or Specification or (e) by reason of Employer's instructions as per Clause 2 hereof or (f) by reason of civil commotion, legal combination of workmen or strike or lock-out affecting any of the building trades or (g) in consequence of the Contractor not having received in due time, necessary instructions from the Employer for which he shall have specifically applied in writing or (h) from other causes which the Employer may certify as beyond the control of Contractor or (i) in the event the value of the work exceeds the value of the Priced Schedule of Quantities owing to variation, the Employer may make a fair and reasonable extension of time for completion of the Contract works. In case of such strike or lock-out the Contractor shall nevertheless constantly use his endeavours to prevent delay and shall do all that may reasonably be required to the satisfaction of the Employer to proceed with work.

If the contractor needs an extension of time for completion of the work or if the completion of work gets delayed for any reason beyond the due date of completion stipulated in the contract, the contractor shall apply to the employer for extension of time in writing at least 7 days before the expiry of the scheduled time and while applying for extension of time, contractor shall furnish the reasons in detail and his justification along with documentary evidence (copy of relevant pages of hindrance register), if any, for delays. Only that period of extension of time as granted by the employer (on receipt of the application from the contractor or even in absence of any such application certification as to the reasonableness of the grounds for delay) will qualify for exemption of imposition of liquidated damages. For the balance period in excess of original stipulated period and an authorised extension of time granted by the employer, the provision of liquidated damages as stated under clause 4.36 will become applicable.

Further, the contract shall remain in force even for the period beyond the due date of completion irrespective of whether the contractor has applied or not, for the grant of extension of time for completion unless the employer decides to terminate the contract. The delay for completion of work for any reason will not entail any right to the contractor to claim any revision of rates or any extra compensation for any reason.

4.37 Failure by Contractor to comply with Employer's instructions

If the Contractor after receipt of written notice from the Employer requiring compliance within ten days fails to comply with such further drawings and the Employer may employ and pay other persons to execute any such work whatsoever that may be necessary to give effect thereto, and all costs incurred in connection therewith shall be recoverable from the Contractor by the Employer as a debt or may be deducted by him from any moneys due to the Contractor.

4.38 Termination of Contract by the Employer

If the Contractor being an individual or a firm commits any "act of insolvency", or shall be adjudged an insolvent or being an Incorporated Company shall have an order for compulsory winding up made against it or pass an effective resolution for winding up voluntarily or subject to the supervision of the Court and the Official Assignee or the Liquidator, in such acts of insolvency or winding up, as the case may be, shall be unable, within seven days after notice to him requiring him to do so, to show the reasonable satisfaction of the Employer that he is able to carry out and fulfil the Contract and to give security therefor, if so required by the Employer.

Or if the Contractor (whether an individual, firm or Incorporated Company) shall suffer execution or other process of Court attaching property to be issued against the Contractor,

Or shall suffer any payment under this Contract to be attached by or on behalf of any of the creditors of the Contractor,

Or shall assign or sublet this Contract without the consent in writing of the Employer first had and obtained,

Or shall charge or encumber this Contract or any payments due or which may become due to the Contractor hereunder,

Or if the Employer determine that the Contractor

(i) has abandoned the Contract, or

(ii) has failed to commence the works, or has without any lawful excuse under those Conditions suspended the progress of the works for 14 days after receiving from the Employer notice to proceed, or

(iii) has failed to proceed with the works with such due diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or

(iv) has failed to remove materials from the site or to pull down, and replace work for seven days

after receiving written notice that the said materials or work were condemned and rejected by the Employer under these Conditions or

- (v) has neglected or failed persistently to observe and perform all or any of the acts, matters or things by the Contract to be observed and performed by the Contractor for seven days after written notice shall have been given to the Contractor requiring the Contractor to observe or perform the same.

Then and in any of the said cases, the Employer may notwithstanding any previous waiver, after giving seven days' notice in writing to the Contractor, determine the Contract and liabilities of the Contractor, the whole of which shall continue in force fully as if the Contract had not been so determined, and as if the works subsequently executed had been executed by or on behalf of the Contractor and further, the Employer by his agents or servants may enter upon and take possession of the works and all plant, tools, scaffoldings, machinery and materials lying upon the Estate or the adjoining lands or roads, and use the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by employing any other Contractor or other person or persons to complete the works, and the Contractor shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other contractor or other person or persons employed for completing and finishing or using the materials and plant for the works. When the works shall be completed or as soon thereafter as convenient, the Employer shall give a notice in writing to the Contractor to remove his surplus materials and plant, and should the Contractor fail to do so within a period of fourteen days after receipt thereof by him, the Employer may sell the same by public auction, and give credit to the Contractor for the net amount realised. The Employer shall thereafter ascertain and certify in writing under his hand what (if anything) shall be due or payable to, or by the Employer, for the value of the said plant and materials so taken possession of by the Employer and the expense or loss which the Employer shall have been put to in procuring the works to be completed, and the amount, if any, owing to the Contractor and the amount which shall be so certified shall thereupon be paid by the Employer to the Contractor or by the Contractor to the Employer, as the case may be, and the decision of the Employer shall be final and conclusive between the parties.

4.39. Termination of Contract by Contractor

If payment of the amount payable by the Employer under certificate of the Bank's engineer shall be in arrears and unpaid for thirty days after notice in writing requiring payment of the amount as aforesaid shall have been given by the Contractor to the Employer or if the Employer shall repudiate the Contract, or if the works be stopped for three months under the order of the Employer or by any injunction or other order of any Court of Law, then and in any of the said

cases, the Contractor shall be at liberty to determine the Contract by notice in writing to the Employer and he shall be entitled to recover from the Employer, payment for all works executed and for any loss he may sustain upon any plant or materials supplied or purchased or prepared for the purpose of the Contract.

In arriving at the amount of such payment, the net rates contained in the Contractor's original Tender shall be followed, or where the same may not apply, valuation shall be made in accordance with Clause 4.26 hereof.

4.40. Certificates and Payments

The Contractor shall be paid by the Employer from time to time by instalments under Interim Certificate to be issued by the Bank's engineer on account of the works executed, work to the approximate value named in the Appendix as "Value of work for Interim Certificates" (or less at the reasonable discretion of the Employer) has been executed in accordance with this Contract. The Employer may, at his discretion, include in the Interim Certificate such amount as he may consider proper on account of materials delivered upon the site by the Contractor for use in the works. And when the works have been virtually completed and the Employer shall have certified in writing that they have been completed, the contractor shall be paid the balance amount by the employer in accordance with the certificate to be issued by the Bank's engineer. The Contractor shall be entitled to the release of the Bank guarantee towards Security Deposit in accordance with the Final certificate to be issued in writing by the Employer at the expiration of the period referred to as "the Defects Liability Period" in the Appendix hereto from the date of Virtual Completion or as soon after the expiration of such period as the works shall have been finally completed and defects made good according to the true intent and meaning hereof, whichever shall last happen, provided always that the issue by the Employer of any certificate during the progress of the works at or after their completion shall not relieve the Contractor from his liability under Clause 4.2 and 4.29 nor relieve the Contractor of his inability in cases of fraud, dishonesty or fraudulent concealment relating to the works or materials or to any matter dealt within the Certificate, and in case of all defects and insufficiencies in the works or materials, which a reasonable examination would not have disclosed. No Certificate shall of itself be conclusive evidence that any works or materials, to which it relates, are in accordance with the Contract neither will the Contractor have a claim for any amounts which the Employer might have certified in any interim bill and paid by the Employer and which might subsequently be discovered as not payable and in this respect the Employer's decision shall be final and binding.

The Employer shall have power to withhold any Certificate if the works or any parts thereof are not being carried out to his satisfaction.

The Employer may by any Certificate make any correction in any previous certificate which shall have been issued by him.

Payments shall be made within the period named in the Appendix as “Period for honoring Certificates” after such Certificates have been delivered to the Employer.

4.41. Delayed Payment

Any amounts payable by the Employer to the Contractor if not paid within the “Period for honouring Certificates” named in the Appendix, carry interest at the rate named in the Appendix as the “Rate of interest for delayed payment” from the date upon which such sum ought to have been paid by the Employer until the payment.

4.42. Matters to be finally determined by Employer

The decision, opinion, direction, Certificate (except for payment), with respect to all or any of the matter under Clauses 4.2, 4.9, 4.15, 4.16, 4.21, 4.25, 4.26, 4.27, 4.28, 4.29, 4.37, 4.38, 4.39, 4.41 hereof (which matters are herein referred to as the excepted matters) shall be final and conclusive and binding on the parties hereto and shall be without appeal. Any other decision, opinion, direction, Certificate or valuation of the Employer or any refusal of the Employer to give any of the same shall be subject to the right of arbitration and review under Clause 44 hereof in the same way in all respects (including the provision as to opening the reference) as if it were a decision of the Employer.

4.43. Settlement of dispute by Arbitration

All disputes and differences of any kind whatever arising out of or in connection with the contract or the carrying out of the works (whether during the progress of the works or after the completion and whether before or after the determination, abandonment or breach of the contract) shall be referred to and settled by the Employer who shall state its decision in writing. Such decision may be in the form of a final certificate or otherwise. The decision of the Employer with respect to any of the excepted matters shall be final and without appeal as stated in Clause 4.43 hereof. But if either party be dissatisfied on any matter, except the excepted matter as above, the party may within 28 days after receiving notice of such decision give a written notice to the other party requiring that the matters in dispute be arbitrated upon. Such written notice shall specify the matters, which are in dispute or difference of which such written notice has been given. If both the parties agree a single arbitrator would be appointed for the purpose. In case no agreement could be reached on the appointment of single arbitrator, both the parties will nominate one person each as an arbitrator on their behalf. The two arbitrators nominated by the parties shall nominate one more person to act as third arbitrator.

The arbitrator or arbitrators, as the case may be, shall have power to open up, review and revise any certificate, opinion, decision, requisition or notice, save in regard to the excepted matters, referred to in the preceding clause, and to determine all matters to dispute which shall be submitted to arbitration and of which notice shall have been given as aforesaid.

The arbitrator or arbitrators, as the case may be, shall make his or their award within one year (or such further extended time as may be decided by him or them as the case may be with the consent of the parties) from the date of entering on the reference. In case during the arbitration proceedings, the parties mutually settle or compromise their dispute or difference, on the parties filing their joint memorandum of the settlement or compromise, the arbitrator or the arbitrators, as the case may be, shall make an award in terms of such settlement or compromise.

Upon any such reference, the decision on the cost incidental to the reference and award respectively shall be in the discretion of the arbitrator or arbitrators, as the case may be, who may determine the amount thereof or direct the same to be taxed as between the party and party, and shall direct by whom and to whom and in what manner the same shall be borne and paid.

This submission shall be deemed to be a submission to arbitration within the meaning of the Indian Arbitration and Conciliation Act, 1996 or any statutory modification thereof.

The award of the arbitrator or arbitrators, as the case may be, shall be final and binding on the parties. It is agreed that the Contractor shall not delay the carrying out of the works by reason of any such matter, question or dispute being referred to arbitration, but shall proceed with the works with all due diligence and shall until the decision of the arbitrator or arbitrators is given, abide by the decision of the Bank. No award of the arbitrator or arbitrators, as the case may be, shall relieve the Contractor of his obligations to adhere strictly to the Bank's instructions with regard to the actual carrying out of the works. The Employer and the Contractor hereby also agree that arbitration under this clause shall be a condition precedent to any right of action under the contract.

The venue of arbitration shall be Bhubaneswar, **INDIA**.

4.44. Right of technical scrutiny of final bill

The Employer shall have a right to cause a technical examination of the works and the final bill of the Contractor including all supporting vouchers, abstracts etc. to be made at the time of payment of the final bill. If as a result of this examination or otherwise, any sum is found to have been overpaid or over-certified, it shall be lawful for the Employer to recover the sum.

4.45. Employer entitled to recover compensation paid to workmen

If, for any reason, the Employer is obliged, by virtue of the provision of the Workmen's Compensation Act, 1923, or any statutory modifications or re-enactment thereof to pay compensation to a workman employed by the Contractor in execution of the works, the Employer shall be entitled to recover from the Contractor the amount of compensation so paid, and without prejudice to rights of the Employer under the said Act. The Employer shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by the Employer to the Contractor under this Contract or otherwise. The Employer shall not be bound to contest any claim made against it under the said Act, except on the written request of the Contractor and upon his giving to the Employer full security to the satisfaction of the Employer for all costs for which the Employer might become liable in consequence of contesting such claim.

4.46. Abandonment of Works

If at any time after acceptance of the tender, the Employer shall, for any reasons whatsoever, not require the whole or any part of the works to be carried out, the Employer shall give notice in writing to the Contractor who shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the execution of the whole works.

4.47. Return of surplus materials

Notwithstanding anything contained to the contrary in any or all the Clauses of this Contract, where any material for the execution of the Contract is procured with the assistance of the Employer by purchases made under orders or permits or licenses issued by Government, the Contractor shall hold the said materials economically and solely for the purpose of the Contract and not dispose of them without the prior written permission of the Employer and return it to the Employer, if required by the Employer, at the price to be determined by the Employer having due regard to the condition of the materials, the price to be determined not to exceed the purchase price thereof inclusive of sales tax, octroi and other such levies paid by the Contractor in respect thereof. In the event of breach of the aforesaid condition, the Contractor shall, in addition to being liable to action for contravention of the terms of licenses or permits and/or criminal breach of trust, be liable to the Employer for all moneys, advantages or profits resulting, or which in the usual courses would have resulted to him, by reason of such breach.

4.48. Right of Employer to terminate Contract in the event of death of Contractor, if individual

Without prejudice to any of the rights or remedies under this Contract, if the Contractor, being an individual, dies, the Employer shall have the option of terminating the Contract without incurring any liability for such termination.

4.49. Accident Reports

In the event of accidents of any kind, the Contractor shall furnish the Client with copies of all accident reports. The reports shall be sent without delay and at the same time that they are forwarded to any other parties.

4.50. Marginal Notes

The notes in the box and in the catch lines hereto and in the annexures hereto are meant only for convenience of reference and shall not in any way be taken into account in the interpretation of these presents and the annexures hereto.

SPECIAL CONDITIONS

4.51. Progress of Work

Upon award, the Contractor shall reconfirm, in writing, the starting and completion schedule including equipment delivery dates based upon the information submitted in his tender form along with project schedule (including details of all the important activities involved). The contractor shall also inform the Bank in writing the details of the project team who will be responsible for planning/ execution of the work.

4.52. The Contractor shall submit, in writing, **monthly** reports showing current equipment delivery dates and anticipated completion dates for individual activity along with reasons, if any for deviations from the approved/ accepted schedule.

4.53. Non-disclosure clause

The contractor shall not disclose directly or indirectly any information, materials and of the Bank's infrastructure/ system/equipment's etc. which may come to the profession or knowledge of the contractor during the course of discharging its contractual obligations in connection with the agreement, to any third party and shall at all times hold the same in strictest confidence. The contractor shall treat the details of the contract as private and Confidential, except to the extent

necessary to carry out the obligations under it or to comply with applicable laws. The contractor shall not publish, permit to be published, or disclose any particulars of the works in any trade or technical paper or elsewhere without the previous written consent of the Employer. The contractor shall indemnify the Employer for any loss suffered by the Employer as a result of disclosure of any confidential information. Failure to observe the above shall be treated as breach of contract on the part of the contractor and the Employer shall be entitled to claim damages and pursue legal remedies.

The contractor shall take all appropriate actions with respect to its employees to ensure that the obligations of non-disclosure of confidential information under this agreement are fully satisfied.

The contractor's obligations with respect to non-disclosure and confidentiality will survive the expiry or termination of this agreement for whatever reason.

4.54 Minimum wages to the workmen:

The contractor shall ensure that minimum wages as per statutory requirement are paid to all the workmen.

4.55 Labour License:

The contractor shall adhere to various provisions of the Contract Labour (Regulation & Abolition) Act 1970, if applicable under the said contract, and fulfil all the statutory requirements.

4.56. Sexual Harassment Clause:

a) The contractor shall be solely responsible for full compliance with the provisions of "the Sexual Harassment of women at workplace (Prevention, Prohibition and Redressal) Act, 2013. In case of any complaint of sexual harassment against its employee within the premises of the Bank, the complaint will be filed before the internal complaints committee constituted by the contractor/Agency or Local Complaints committee as the case may be and the contractor/ agency shall ensure appropriate action under the said Act in respect of the Complaint.

b) Any complaint of sexual harassment from any aggrieved employee of the service provider against any employee of the Bank or any employee of any other firm working in the Bank shall be taken cognizance of by the Regional Complaints Committee constituted by the Bank.

c) The Contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employees of the contractor, for instance any monetary relief to

Bank's employee or other firm's employee, if sexual harassment by the employee of the contractor is proved.

d) The Contractor shall be responsible for educating its employees about prevention of sexual harassment at work place and related issues.

e) The Contractor shall provide a complete and updated list of employees who are deployed within the Bank's premises.

4.57 Provision of Rule 144 (xi) of the GFR 2017: Compliance with the Rule 144 (xi) of GFR 2017 inserted vide Office Memorandum (OM) F.No.6/18/2019-PPD dated July 23, 2020 issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, Government of India, the Public Procurement Orders issued in furtherance thereto, and their subsequent revisions shall be mandatory.

In this regard, Bidder shall submit a copy of Undertaking / Declaration / Certificate on their letter head duly sealed and signed by the authorized signatory in the format given at [Annexure – 'J'](#).

If the Undertaking / Declaration / Certificate submitted by the bidder is found to be false, his/her/its tender / work order will be immediately terminated, and legal action in accordance with law including forfeiting of Earnest Money Deposit / Performance Bank Guarantee / Security Deposit may be initiated and the Bank may also debar the bidder from participating in the tenders invited by the Bank in future.

4.58 Debarment of firms from Bidding: A bidder is liable for debarment / disqualification from bidding on the following grounds:

1. If it is determined that the bidder has committed the following acts or omissions in contravention of the code of integrity:

(i) a. making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.

b. any omission or misrepresentation that may mislead or attempt to mislead so that financial or other benefit may be obtained, or an obligation avoided.

c. any collusion, bid rigging or anticompetitive behavior that may impair the transparency, fairness and the progress of the procurement process.

d. improper use of information provided by the procuring entity to the bidder with an intent to gain unfair advantage in the procurement process or for personal gain.

- e. any financial or business transactions between the bidder and any official of the procuring entity related to the tender or execution process of contract, which can affect the decision of the procuring entity directly or indirectly.
- f. any coercion or any threat to impair or harm directly or indirectly, any part or its property to influence the procurement process.
- g. obstruction of any investigation or auditing of a procurement process.
- h. making false declaration or providing false information for participation in a tender process or to secure a contract.
- i. failed to disclose conflict of interest.
- j. failed to disclose any previous transgressions made in respect of the provisions of sub clause (i) with any public institution / entity in India or any other country during the last three years or of being debarred by any public procuring institution / entity.

2. For any actions or omissions by the bidder other than violation of code of integrity, which in the opinion of the Bank warrants debarment, for the reasons like supply of sub-standard material, non-supply of material, abandonment of works, sub-standard quality of works, failure to abide terms of the tender etc.,

3. If the bidder has been convicted of an offence – (a) under the Prevention of Corruption Act, 1988; or (b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to the public health as part of execution of a public procurement contract.

Place:

Date:

Seal and Signature of the Bidder

Section-V

Technical Specification

5.1 The proposed UPS is for majority of motor load. The system shall consist of 2nos. True online UPS each of 20 KVA UPS and connected in (N+1) parallel redundant mode. In case of additional power requirement in future, the increase in power should be possible by successively adding more UPS units in parallel to these UPS units without affecting the general operation of the system.

5.2 Each UPS shall be designed to operate as true on line double conversion and shall have galvanic isolation through the Isolation transformer of suitable capacity for meeting out UPS full load, losses of UPS and fully drained battery charging load etc. In case the UPS manufacturer desires to provide Isolation transformer on the output side, the battery bank shall be rated accordingly.

5.3 Each UPS shall have separate enclosure/ cabinet provided with tinned copper bus bar of suitable rating along with ISI marked FRLS multistrand copper wires used for interconnections.

5.4 Each UPS shall have its own static switch, IGBT based rectifier/charger, and IGBT based inverter, based on Digital signal processing technology (DSP).

5.5 Static bypass module shall ensure the instantaneous transfer of load to the bypass AC source input. Manual maintenance bypass switch shall isolate the UPS for maintenance and transfer the load to the bypass AC source input.

5.6 In case of malfunctioning of one of the UPS inputs, the defective UPS units shall be isolated from the system automatically, and full load will be met with by the other healthy UPS unit.

5.7 In case of failure of both the UPS units due to internal faults the load shall be fed by the bypass mains automatically, provided the mains voltage and frequency are within acceptable limits.

5.8 In case of excessive temporary overloads the system shall be designed to switchover to the bypass mains provided the mains voltage and frequency are within acceptable limits. After removal of temporary overload, the system shall automatically switch back to UPS mode from bypass mode.

5.9 Each UPS shall have complete isolation facility by means of MCCBs/Circuit breakers at the Battery bank, input and output both so that in the event of failure of one UPS, faulty UPS can be repaired without switching off the other UPS to ensure continuous output of the healthy UPS to the load.

5.10 Input and Output power supply arrangements:

(i) Bank shall provide incoming power supply switch/MCCB for each UPS unit and Output load panel for taking UPS power in the UPS room.

(ii) The rate quoted for the UPS system shall also include for the following:

(iii) A closed IP 54 grade Common Paralleling Output Panel with tinned copper busbar and a common output circuit breaker of required rating for paralleling each of the UPS outputs from their respective circuit breakers for taking a common output cable to the Bank's Output Load panel.

(iv) Supply and connecting all UNINYVIN copper cables for full load of UPS from the incoming MCCB to both the UPS units and from each of the UPS outputs to the Common paralleling Output panel and then to the Bank's Output Load panel. The cable shall be terminated properly with copper lugs and glands as required. This also include UNINYVIN from UPS to battery rack.

5.11 Earthing:

The bank shall provide the earth point in the UPS room. The rate quoted for the UPS System shall also include for supply and connecting the copper earth conductor of required capacity from the existing earth point to the various equipment of the UPS system such as UPS units, Common Paralleling Output Panel, Battery rack etc.,

5.12 Technical specification of each unit of UPS

	Technology		Digital Signal Processing (DSP)
A	Input		
	Rectifier	:	IGBT based PWM rectifier
1.	Voltage	:	400 Volts +/-15%, 3 Phase and neutral
2.	Frequency	:	50 Hz +/- 6%

3.	Input power factor	:	>0.99
4.	Current Harmonics THDi	:	<= 3%
5.	Rectifier DC voltage ripple at the battery bank	:	<1%
6.	Rectifier capacity	:	Rectifier should be able to charge the battery banks in fully discharged condition and also supply power in full load condition in normal operation.
B	Output		
	Inverter	:	IGBT based PWM Inverter
1.	Voltage	:	400 volts +/- 1%
2.	Frequency	:	50 Hz +/- 1%
3.	Distribution	:	3 Phase+Neutral (4 wire system)
4.	Capacity of each UPS module	:	20 KVA of each unit
5.	Overload	:	125% for 10 minutes; 150% for 6 seconds
6.	Voltage Regulation	:	
	a) Static regulation	:	+/- 1% during steady state condition
	b) Dynamic regulation	:	Not to exceed 5% when load equivalent to 100% of the total capacity is cut in or cut out.
7.	Recovery time	:	Less than 20 milliseconds in all the above conditions.
8.	Output voltage waveform	:	Sinusoidal
9.	Output voltage distortion with 100% linear load	:	<1%
	a) Voltage THD at 100% Non-linear load	:	</+3%
10.	Crest factor	:	3:1
11.	Load power factor	:	0.9 lagging. The UPS and battery bank should be designed based on this load power factor.
12.	No load loss including isolation transformer	:	Should not exceed 4% of the rated capacity

13.	Minimum overall efficiency in true online double conversion mode (AC to AC including isolation transformer and without battery bank).	:	At 100% rated capacity at 0.8 lag pf – 92%. At 75% rated capacity at 0.8 lag pf – 92%. At 50% rated capacity at 0.8 lag pf – 91%. At 25% rated capacity at 0.8 lag pf – 90%.
14.	Load suitability		Suitable for high starting current motor load

C. Features to be provided

1. Manual maintenance bypass
2. Static bypass switch without interruption of output supply
3. Emergency Trip to trip entire UPS

(Input to the UPS, Batteries, Output of the UPS and bypass shall be disconnected with the help of breakers on activation of Emergency Trip).

4. Output voltage adjustment for +/-15 volts
5. Battery circuit breaker for each battery bank
6. Galvanic Isolation for neutral: Isolation transformer of suitable capacity must be provided in the system internally on the input side.
7. Reverse phase sequence protection: Reverse phase sequence protection for each UPS, shall be capable of correcting the input phase sequence and the UPS shall not go to the Battery mode under such condition.
8. Online temperature display
9. Online battery monitoring and battery alert

D. Alarm Indication /Trips:

1. Output frequency error
2. Output voltage error
3. Load on mains
4. Load on batteries
5. Battery voltage low
6. Low input frequency
7. Equipment over temperature
8. Equipment overload
9. Ventilation fan failure
10. Battery output breaker open

E. LCD Display

Display shall be able to provide the following measurement options

- i. **Voltage –**
Input converter (1-2-3 Phase/Neutral)

Input bypass (1-2-3 Phase/Neutral)

UPS output (1-2-3 Phase/Neutral)

Battery

ii. Current -

UPS input (Phase 1-2-3)

UPS output (Phase 1-2-3)

Battery charging/ discharging

iii. Frequency –

UPS input

UPS output

iv. Battery

Remaining backup time (in minutes) capacity

v. Power

UPS active output (Phase 1-2-3)

UPS reactive output

UPS load in % (Phase 1-2-3)

F. Environmental conditions

1. Ambient temperature : 0 deg.C to 40 deg.C
2. Ambient relative humidity : 0-95% non condensing
3. Room cooling : Natural/ Exhaust
4. Equipment cooling : Shall be done by means of a number of suitable capacity exhaust fans

G. Protection

1. Fast acting semiconductor fuses
2. Current limiting features
3. Suitable protection for DC filter capacitors
4. Protection for control circuits
5. Inverter tripping without fuse failure on output short circuit

H. Enclosure

Cable entry : Top/Bottom / Side

I. Noise level : Not to exceed 70dB (to be measured 1mtr. Away from the body of the UPS.

J. Communication features:

The UPS shall have the following features

1. RS 232/485 Serial port
2. LAN connectivity interface SNMP port to monitor the UPS using LAN

K. Battery Back-up

i. **Battery Bank** : The battery bank shall consist of required number of 12 volts Valve Regulated Lead Acid (VRLA) with Fire Retardant casing, Sealed Maintenance Free (SMF) batteries of required Ampere Hour capacity to meet the backup requirement.

ii. The rack of the Battery Bank shall be made of MS angle framework of adequate size and strength to accommodate all the required batteries of each UPS and shall have suitable clearance for ventilation and maintenance of batteries. The rack shall be powder coated. The interconnection of battery shall be with UNINYVIN copper cables of suitable size and capacity with necessary terminal blocks, nuts bolts etc. and all the cable shall be dressed in a neat manner. The suitable capacity MCCB shall be mounted outside the rack to isolate the battery bank in case of emergency or during maintenance.

iii. Each of 2 UPS units shall have separate battery bank with back up of 60 minutes each for 20 KVA at 0.8 Lag Power Factor with required number of batteries, with battery inter-connection, jumper cables and terminal connectors etc.

iv. To substantiate the selection of number and size of batteries, the detailed calculations shall be furnished along with the selection chart/graph. The end cell voltage after discharge of batteries shall not be less than 1.75 Volts.

L. Advance Battery Management

- i. To prolong the battery life, the UPS shall be provided with temperature compensated battery charging and protection against overcharging of battery. Protection against deep discharge of batteries shall be incorporated.
- ii. The UPS shall have an arrangement for on-line battery testing periodically and alert message/indications should be generated in case of any abnormality in the battery bank parameters.

M. UPS acceptance testing

The UPS units shall be tested at factory/ Contractor's premises at 0.8 pf load as per design by the Bank's engineer, before delivery to confirm the technical specifications furnished by the bidder as per the details of the tests mentioned in the tender. Before offering the UPS for acceptance testing, the bidder/OEM should test the UPS as per the detailed tests indicated in the tender and forward the test report in the format provided in the tender for the Bank's examination. The test results will be further confirmed/ verified during the acceptance testing by Bank's engineer.

In case the firm provides only resistive load, current corresponding to rated load in KW at 0.8 pf (at 100%, at 75%, at 50%, at 25%) should be passed through the UPS system by providing required amount of resistive load and efficiency may be computed.

Tenderers may please note that the UPS system not found to be confirming to the technical specifications set out/accepted in the tender, during the above testing, is liable to be rejected.

N. Remote Indication Panel

- i. The remote indication panel must indicate Load on Main, Load on Battery, Load on Bypass.
- ii. Audio and visual alarm should be provided with reset /acknowledgement facility when UPS switches over to battery/bypass mode.
- iii. The scope of work includes the wiring / necessary cabling laid in suitable size PVC conduit to connect the indication panel with UPS. The remote indication panel to be placed in the substation as per the Bank's engineer decision up to 50 meters.

Note:

Scope of work include Supply and delivery of all equipment, materials for the captioned work to Bank's site at Bhubaneswar (i.e., Bank's Office premises at Substation, UPS room, Bhubaneswar) including insurance, packing, handling, transporting, loading/unloading etc., at site.

Place:

Date:

Bidder

Seal and Signature of the

Technical Details to be furnished by the Bidder

S.No	Particulars	Bank Requirements	Technical Information to be furnished by the Bidder (Yes/No)
A.	Capacity of each UPS in KVA	20 KVA	
B.	Make and model of UPS		
C.	Type of Signal processing	Digital Signal Processing (DSP) Technology	Yes / No
D.	Whether each UPS of above mentioned capacity can be connected in parallel in N+1 mode	To be connected in parallel in N+1 mode	Yes / No
E.	Isolation Transformer	To be provided internally	
	Core and windings	Isolation transformer must be CRGO core based and have copper windings	Yes / No
F.	Input		
1.	Rectifier technology	IGBT based PWM	
2.	Rectifier capacity	Rectifier should be able to charge the battery banks in fully discharged condition and also supply power in full load condition	Yes / No
3.	DC Voltage ripple at battery bank	< 1%	
4.	Rated voltage	400 Volts, 3 Phase, 50 Hz	
5.	Voltage tolerance	+/- 15%	
6.	Rated frequency	50 Hz	
7.	Frequency tolerance	+/- 3 Hz	

8.	Input power factor	> 0.99	
9.	Input current harmonics THDI	</= 3%	
G	Output		
1.	Inverter technology	IGBT based PWM	
2.	Rated Voltage	400 Volts, 3 Phase, 50 Hz	
3.	Voltage tolerance	+/- 1%	
4.	Voltage regulation	+/- 1% under steady state condition	
		Not to exceed +/- 5% when load equivalent to 100% of the total capacity is cut in or cut out	
5.	Recovery time	< 20 msec	
6.	Rated Frequency	50 Hz	
7.	Frequency tolerance	+/- 0.5 Hz	
8.	Overload capacity	125% of rated capacity for 10 min.	
		150% of rated capacity for 60 sec.	
H	Overall efficiency with isolation transformer without battery bank		
1.	At 100% rated capacity at 0.8 lag pf	92%	
2.	At 75% rated capacity at 0.8 lag pf	92%	
3.	At 50% rated capacity at 0.8 lag pf	91%	
4.	At 25% rated capacity at 0.8 lag pf	90%	
I.	No load loss	Less than 4% of rated capacity	
J.	Waveform		
1.	Waveform	Sinusoidal	

2.	Output voltage harmonic distortion		
	a. With linear load	1%	
	b. With non-linear load	3%	
3.	Crest factor	3:1	
K.	Features offered		
1.	Manual Bypass switch		
2.	Static bypass	To be provided for individual UPS model	Yes / No
	Capacity of Static bypass	Minimum 200% temporary overload capacity	Provide details
3.	Manual bypass	To be provided for individual UPS module	Yes / No
4.	Emergency Trip	To trip entire UPS including the rectifier, inverter and battery breakers and Bypass	Yes / No
5.	Output voltage adjustment	+/- 15Volts	Specify voltage
6.	Battery Circuit breaker	To be provided on rack of battery bank	Yes / No
7.	Galvanic isolation for neutral	Isolation transformer to be provided	Yes / No
8.	Reverse phase sequence protection and correction	To be provided (inbuilt)	Yes / No
9.	Online temperature display	To be provided	Yes / No
10.	Online battery monitoring and battery alert	To be provided	Yes / No
L.	Alarm indication and trips		
1.	Output frequency error	To be provided	Yes / No
2.	Output voltage error	To be provided	Yes / No
3.	Load on mains	To be provided	Yes / No
4.	Load on batteries	To be provided	Yes / No

5.	Battery voltage low	To be provided	Yes / No
6.	Low input frequency	To be provided	Yes / No
7.	Equipment over temperature	To be provided	Yes / No
8.	Equipment overload	To be provided	Yes / No
9.	Ventilation fan failure	To be provided	Yes / No
10.	Battery output breaker open	To be provided	Yes / No
M.	LCD		
i.	Display shall be able to provide the following measurement option		
ii.	<u>Voltage-</u> Input Rectifier (1-2-3 Phase / Neutral) Input Bypass (1-2-3 Phase / Neutral) UPS output Battery (1-2-3 Phase / Neutral)		Yes / No
iii.	<u>Current-</u> UPS input (Phase 1-2-3) UPS output (Phase 1-2-3) Battery Charging / discharging		Yes / No
iv.	<u>Frequency</u> UPS input UPS output		Yes / No
v.	<u>Battery</u> Remaining backup time (in minutes) capacity		Yes / No
vi.	<u>Power</u> UPS active output (Phase 1-2-3) UPS output (Reactive)		Yes / No

	UPS load % (Phase 1-2-3)		
N.	Ambient temperature	:	0 deg. C to 40 deg.C
O.	Ambient Relative Humidity	:	0-95% non-condensing
P.	Room cooling	:	Natural or exhaust
Q.	Equipment cooling	:	Shall be done by means of a number of suitable capacity exhaust fans
R	Protection		
1.	Fast acting semiconductor fuses		Yes / No
2.	Current limiting features		Yes / No
3.	Suitable protection for DC filter capacitors		Yes / No
4.	HRC fuses for control circuits		Yes / No
5.	Inverter tripping without fuse failure on output short circuit		Yes / No
S.	Noise level at 1 meter		
T.	Communication features: The UPS shall have the following features: 1. RS232/485 serial port LAN connectivity interface		Yes / No
U.	Advance Battery Management		
(a)	To prolong the battery life, the UPS shall be provided with temperature compensated battery charging, with protection against overcharging of battery. Protection against deep discharge of batteries shall be incorporated		Yes / No
(b)	The UPS shall have an arrangement for on-line battery testing periodically.		Yes / No

	In case of failure of battery, the UPS will go to normal mode and failure signals (visual & audio) shall be raised.		
V.	Safety and EMC & RoHS Standards		
(a)	Should comply the following safety, EMC & RoHS Standards: Low Voltage Directive 2006/95/EC : Test Standards CEI EN 62040-1 EMC Directive 2004/108/EC : Test Standards EN 62040-2 RoHS Directive 2011/65/EU and its amendment (EU) 2015/863 : Test Standards IEC62321-3-1 :2013, IEC62321-5 :2013, IEC62321-6 :2015, IEC62321-7-1 :2015 & IEC62321-7-2 :2017, IEC62321-4 : 2013+AMD1 : 2017, IEC 62321-8 :2017 (Copy of Certificate of the offered Model shall be attached with the Bid documents)		Yes / No
W	Cyber security for SNMP		
(a)	IEC 62443 or equivalent UL certificate (copy shall be attached)		Yes / No
X.	Quality Certification		
(a)	ISO 9001:2015; ISO 14001:2015; ISO 50001:2011 & ISO 45001:2018 (Copy shall be attached with the bid documents)		Yes / No
Y	Environmental labels		
(a)	ISO 14025:2006; Type III (Copy shall be attached)		Yes / No
Z	E-Waste		
(a)	EPR authorization from CPCB, Govt. of India (Copy shall be enclosed)		Yes / No
AA.	Remote Indication Panel The remote indication panel must have indication for Load on Mains, Load on Battery, Load on Bypass		Yes / No
	Audio and Visual alarm should be provided with reset/ack. Facility when UPS switches over to Battery / Bypass mode.		Yes / No
AB.	i. Response time	Time to attend to complaint (Four hours)	Yes / No
	ii. Penalty	Rs.1000/- per day if rectification of defects developed in the	Yes / No

		system is not done in four hours	
AC.	Software details		
AD	Latest Testing Standards followed	Yes / No	
AE	Whether the contractor can supply additional units of the same UPS in the next 5 years.	Yes / No	
AF.	Whether the additional units of the UPS of the same capacity can be connected in parallel to this offered UPS system.	Yes / No	
AG.	Physical details		
1.	UPS cubicle	Height (mm)	
		Length (mm)	
		Depth (mm)	

Place:

Date:

Bidder

Seal and Signature of the

Testing Facility			Details to be furnished by the bidder
1.	Please confirm whether the contractor is having the testing facility at their premises/factory to carryout all the tests as mentioned in the tender and ready to carryout the tests along with the same Battery Banks which shall be supplied to the Bank.		
2.	Digital storage oscilloscope	Make and MHz	
3.	Digital 3 phase power analyzer	Make and Model	
4.	Digital Multimeter	Make and Model	
5.	Calibration certificate and traceability (in-house or external agency - as applicable)		Yes / No
6.	Facility for input voltage variation from -15% to +15% (400 V nominal) at full load for desired KVA rating		Yes / No
7.	Facility for input frequency variation from 47 to 53 (50 Hz nominal) at full load for desired KVA rating		Yes / No
8.	Load Bank of desired rating		Yes / No

Place:

Date:

Seal and Signature of the Contractor

Section VI

Testing of UPS system

UPS under testing: 2 X 20 KVA UPS system in (N+1) parallel redundant configuration

Make of UPS system:

Model of the UPS:

Sr.No. of UPS-1 _____ and UPS-2: _____

Details of instruments used for testing:

Type	Make	Model	Calibrated on date
Power Analyzer			
Multimeter			
Storage type CRO			

The UPS system shall be tested before delivery at site and the following tests shall be performed.

1. Input voltage variation test at rated load condition (at resistive load of required KW). Vary the input voltage to the UPS and note the readings.

The parameters recorded are: input voltage, input current, DC voltage, DC current, Output voltage, Output current, Output waveform distortion and RMS ripple on battery terminal.

Input Voltage	Output Voltage	Output voltage harmonics	Ripple at Battery terminal
340 V			
400 V			
460 V			

This test shall give following results:

- Output voltage range – Output voltage should be 400 +/-1% over the entire range of input voltage (340 Volts to 460 Volts)
- Output voltage waveform distortion over entire range at linear load. (For this test the battery is not connected at Battery terminal)
- Ripples at battery terminal.

2. Measurement of input power factor, input current harmonic distortion & efficiency:

- a. The input voltage is kept nominal i.e., 400V
- b. Rated load is connected at the output
- c. The parameters measured are input power, input current, input voltage, input power factor, input current harmonic distortion, output power, output voltage, output frequency, output waveform distortion, DC voltage and DC current (for this test also battery is not connected at the battery terminals).

This test shall give:

- i. Input power factor (should be better than 0.99)
- ii. Input current harmonic distortion THDi
- iii. Overall AC to AC efficiency at 100% load

3. Output waveform distortion test on non-linear load (rectifier type load)

- a. Keep input voltage nominal. Connect non-linear load (rectifier load)
- b. Measure output waveform distortion for output voltage and current

This result shall give:

The output voltage waveform distortion on non-linear load

4. Transient response test:

- a. Connect rated resistive load. Keep input voltage nominal. Connect digital storage oscilloscope / power analyzer at UPS output.
- b. Apply 0 to 100% step load of rated capacity, the output waveform condition at that point is to be measured.
- c. Measure the difference between the output waveform peak value before and after the application of load.
- d. Calculate the recovery time and percentage dip in output voltage.

This test shall give UPS capability to cater to transient load conditions.

5. Unsurpassed Short Circuit Handling capacity test:

This test shall ensure that the UPS has a power to clear the branch circuit fuse of 20% rating without whole UPS getting tripped in the event of short circuit occurring at one of the branch circuits.

- a. Carefully connect the HRC fuse/ MCB of rating with 20% of the UPS rating at the output of the UPS through MCCB.
- b. Short the UPS output through HRC fuse/MCB and note the results. Fuse should blow or MCB should trip without tripping of UPS.

6. Output Dead Circuit Test:

This test shall ensure UPS has capability to face dead short circuit condition without creating any damage within itself.

- a. Keep input voltage nominal. Ensure UPS is working in normal mode.
- b. Measure output voltage at UPS output.
- c. Carefully create a dead shot circuit condition at UPS output through MCCB.
- d. Put ON the MCCB. The UPS output will be shorted through link directly. The UPS should trip due to short circuit protection of the UPS without any damage to UPS.
- e. Put OFF MCCB thereby removing short circuit at the UPS output.
- f. Reset the fault condition in UPS and the UPS should restart again giving normal output without any problem.

7. Test for parallel redundant

- a. Connect rated load at UPS output and check output current sharing between two UPSs, it should be equal.

Current	UPS-1	UPS-2
R-Phase		
Y-Phase		
B-Phase		

- b. Check transfer of load from UPS-1 to UPS-2 in event of failure of any one of the UPS. It should not cause any break to the load, which can be observed on digital storage oscilloscope.
- c. Check transfer of load to bypass when both the UPS fail or trip.

The transfer and re-transfer of load should be smooth without any interruption of load.

8. Efficiency Test.

Connect the rated 0.8 pf lag load and note down the Input KW and Output KW of the UPS by using 3 phase power analyser. Ensure that the isolation transformer is also connected. In case

the firm provides only resistive load, current corresponding to rated load in KW at 0.8 pf lag (at 100%, at 75%, at 50% and at 25%) should be passed through the UPS system by providing required amount of resistive load and efficiency may be computed.

Load on UPS	Actual Input in KW	Output in KW	Tested Efficiency	Committed Efficiency	Observation
100% load at 0.8 PF					
75% load at 0.8 PF					
50% load at 0.8 PF					
25% load at 0.8 PF					

Note:

Example of efficiency computation with 20 KVA UPS designed at 0.8 pf load but tested with resistive load.

UPS Design

KVA : 20, KW: 16 KW (20x0.8)

Full load current: $(20 \times 1000) / (1.732 \times 400) = 28.86$ amps at 100%, 21.64 amps at 75%, 14.43 amps at 50% and 7.21 amps at 25%. Efficiencies may be computed by passing these currents and complied with Bank's efficiency requirements.

9. Overload Test:

a. 125% Overload: Connect the 125% of the rated resistive load and observe. The UPS should continue to provide the output without any tripping etc., for 10 minutes.

b. 150% Overload: Connect the 150% of the rated resistive load and observe. The UPS should continue to provide the output without any tripping etc., for 1 minutes.

10. No Load Losses Test:

Note the power input of the UPS when no load is connected at the output and without battery and compare with the specifications.

11. Output Voltage Regulations (at 100% Load):

Output Voltage at No Load (Vnl): _____ Volts

Output Voltage at 100% Load (Vfl): _____ Volts

Voltage regulation $(Vnl - Vfl) / Vnl * 100 =$ _____ %

12. Testing of input Frequency Range at No load: Vary the input frequency from 47 Hz to 53 Hz while keeping the batteries OFF and observe the output voltage frequency. It should be within 49.5 Hz to 50.5 Hz.

13. RS232/485 and SNMP Communication Port: Availability of the same to be checked and verified.

14. Battery Backup Capacity Test: To Be done after Installation with existing Bank

Details of battery Bank:

1. Number of Batteries:

2. AH of each Battery:

3. Make of Batteries:

4. Desired Backup time:

5. Rated resistive load in KW:

a. Note down the initial charged voltage of each battery before the start of battery discharge

b. Connect the rated resistive load on the UPS before start discharging the batteries and note down.

c. Start discharging the batteries and note the reading at the gap of 3 minutes

d. The tripping voltage of the battery bank should be equal to $1.75 \times 6 \times \text{No. of batteries}$.

Time	Battery Bank Voltage	Connected load in KW	Battery Discharge Current	Observation

15. Online Battery Testing: Availability of the same to be checked and verified.

16. Auto Restart Test: The mains should be switched on after the batteries are completely drained to check the auto restart feature of the UPS. The UPS should comeback in normal operation after resumption of the power supply.

17. Protections: Note the details

18. Emergency Trip: Test with the help of Emergency Push Button, confirm the tripping of Battery circuit breaker, rectifier input and inverter output breaker and Bypass section isolation as set out in the technical specifications.

19. AC input Failure Test: Switch off the input supply and Load shall be shifted to the battery without interruption (Record the load transfer waveform)

20. AC input Return Test: Switch on the input supply and Load shall be shifted to the Rectifier without interruption (Record the load transfer waveform)

21. Phase Reversal Test: The phase sequence of input may be altered and functioning of the UPS on main supply may be ensured.

22. Heat Run Test at Full Load: Each UPS to be tested on rated load at 0.9 pf lag for 4 hours. In case the testing is done with resistive load for the rated KW, the firm shall provide manufacturer's test certificate to establish the temperature rise under 0.9 lag load conditions for the rated KW in addition to the heat run test conducted for 4 hours with resistive load.

PARAMETER	UPS-1	UPS-2	Remarks on temperature rise
Starting Time			
Finish Time			
Output KW			

23. Remote Indication Panel Test: This is to be tested for various indications and alarms as per specifications.

24. Any other test as required to check and verify the specifications schedule.

Place:

Date:

Seal and Signature of the Contractor

Schedule of Technical Deviations if any

We confirm that all technical terms and conditions and specifications of the Bank except for deviations listed below are acceptable to us.

Sr.No.	Section No.	Clause No.	Deviation Proposed
(1)	(2)	(3)	(4)

Place:**Date:****Seal and Signature of Tenderer**

Section-VII

Check List

Sr. No.	Description	Bank's Terms	Whether acceptable to the bidder or not (please indicate YES or NO)
1.	Validity	90 days from the date of opening of tender Part-I	
2.	EMD	Rs.26,000/- by DD/NEFT/BG	
3.	Performance Bank Guarantee (PBG)	10% of the Contract Cost (to be submitted by the successful tenderer)	
3.	Terms of payment for equipment	As per clause 3.30 Section III	
4.	a. Prices b. GST	a. Firm, inclusive of all taxes, duties, insurance, levies during the contract period. b. Percentage GST tax considered.	
5.	Technical Specifications	As per Section V and Section VI (data to be filled completely)	
6.	Terms, Conditions and Payment during AMC	Confirm that the terms, conditions and payment for the AMC and conditions for renewal of AMC as per tender provision are acceptable.	
7.	Warranty period	12 months from date of handing over of the entire UPS system.	
8.	After-sales service	Free of cost during the warranty period including replacement of any spares/materials/ assembly/ equipment/ software if found necessary.	
9.	Completion period	60 days from 14th day of date of work order.	

10.	Liquidated damages	@0.25% of the contract amount per week of delay subject to maximum of 10% of the contract value for the delayed period.	
11.	Penalty for delay in providing service	As per clause 3.15, Section III of the tender.	
12.	Service facility	Shall be available at the center where the system is to be installed i.e., Bhubaneswar and shall be approachable on telephone/mobile/email.	
13.	Committed period for CAMC of system	At least 07 years from the date of completion of one year defect liability period.	

Part II should not contain any terms and conditions but only priced bill of quantity. Terms and conditions, if any, incorporated in Part II, will not valid or considered.

Place:

Date:

Seal and Signature of Tenderer

Note: -

- (i) In case of tenderer accepting all the terms and conditions of the Bank, there is no need for enclosing any terms and conditions of their own.
- (ii) In case of tenderers proposing any deviation, they are advised to indicate the deviation only quoting relevant tender clause.

Appendix Hereinbefore Referred To

1.	Defects Liability Period	12 months from the date of Virtual Completion Certificate
2.	Period of Final Measurement	3 months from the date of final commissioning.
3.	Date of Commencement	14 th day from the date of letter of award.
4.	Period of Completion	60 days from the 14 th day of issue of work order.
5.	Liquidated damages for delay in completing the work	@ 0.25% of the contract value per week of delay subject to a maximum of 10% of the contract value.
6.	Value of works for interim payment	As per payment terms and conditions
7.	Period for honouring interim payment	One month for interim bills

Date:**Place:****Seal and Signature of the Bidder**

List of Approved Makes

S.No	Item Description	Approved Make
1.	UPS	Schneider, Emerson (VERTIV), Socomec, Eaton , Reillo Power, Numeric, Power one UPS, or any other approved equivalent make.
2.	Power Cables	Polycab/CCI / Gloster / Finolex / Universal
3.	MCCB	ABB / Siemens / Legrand / L&T
4.	Batteries fire retardant casing	Exide/Amaron/Panasonic

Date:**Place:****Seal and Signature of the Bidder**

Annexure – ‘A’

Proforma Of Bank Guarantee In lieu of Earnest Money Deposit

(To be submitted on non-judicial stamp paper of appropriate value purchased in the name of the issuing bank)

To

The Regional Director

Place

Reserve Bank of India

Date

Estate Department

Bhubaneswar

Dear Sir,

“Design, Supply, Installation, Testing and Commissioning of 2x20 KVA UPS System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank’s Main Office Building at Bhubaneswar” - Bank Guarantee for EARNEST MONEY DEPOSIT

WHEREAS

The Reserve Bank of India, having its Central Office at Shahid Bhagat Singh Road, Mumbai and an office at Bhubaneswar (hereinafter called the ‘Employer’) has invited tenders for the work **Design, Supply, Installation, Testing and Commissioning of 2x20KVA UPS System in N+1 Parallel Redundant Mode along with Comprehensive AMC for the Bank’s Office Building at Bhubaneswar** (hereinafter referred to as ‘the Work’) on the terms and conditions mentioned in the tender documents.

It is one of the terms of invitation of tenders that the tenderer shall furnish a Bank Guarantee for a sum of Rs. _____ (Rupees _____ only) as Earnest Money Deposit.

M/s _____, (hereinafter called as tenderer), who are our constituents intend to submit their tender for the said work and have requested us to furnish guarantee to the Employer in respect of the said sum of Rs. _____ (Rupees _____ only) in respect of EMD.

NOW THIS GUARANTEE WITNESSETH

1. We _____ (Bank) do hereby agree with and undertake to the Reserve Bank of India, their Successors, Assigns that in the event of the Reserve Bank of India coming to the conclusion that the Tenderer have not performed their obligations under the said conditions

of the tender or have committed a breach thereof, which conclusion shall be binding on us as well as the said Tenderer, we shall on demand by the Reserve Bank of India, pay without demur to the Reserve Bank of India, a sum of Rs . _____ (Rupees _____ only) or any lower amount that may be demanded by the Reserve Bank of India. Our guarantee shall be treated as equivalent to the Earnest Money Deposit for the due performance of the obligations of the Tenderer under the said Conditions, provided, however, that our liability against such sum shall not exceed the sum of Rs . _____/- (Rupees _____ only).

2. We also agree to undertake to and confirm that the sum not exceeding Rs. _____/- (Rupees _____ only) as aforesaid shall be paid by us without any demur or protest, merely on demand from the Reserve Bank of India on receipt of a notice in writing stating the amount is due to them and we shall not ask for any further proof or evidence and the notice from the Reserve Bank of India shall be conclusive and binding on us and shall not be questioned by us in any respect or manner whatsoever. We undertake to pay the amount claimed by the Reserve Bank of India within a period of one week from the date of receipt of the notice as aforesaid.
3. We confirm that our obligation to the Reserve Bank of India under this guarantee shall be independent of the agreement or agreements or other understandings between the Reserve Bank of India and the Tenderer.

This guarantee shall not be revoked by us without prior consent in writing of the Reserve Bank of India.

We hereby further agree that –

- a) Any forbearance or commission on the part of the Reserve Bank of India in enforcing the conditions of the said agreement or in compliance with any of the terms and conditions stipulated in the said tender and/or hereunder or granting of any time or showing of any indulgence by the Reserve Bank of India to the Tenderer or any other matters in connection therewith shall not discharge us in any way and our obligation under this guarantee. This guarantee shall be discharged only by the performance by the Tenderers of their obligations and in the event of their failure to do so, by payment by us of the sum not exceeding Rs. _____/- (Rupees _____ only)
- b) Our liability under these presents shall not exceed the sum of Rs. _____/- (Rupees _____ only)
- c) Our liability under this agreement shall not be affected by any infirmity or irregularity on the part of our said constituents in tendering for the said work or their obligations there under or by dissolution or change in the constitution of our said constituents.

- d) This guarantee shall remain in force upto _____ provided that if so desired by the Reserve Bank of India, this guarantee shall be renewed for a further period as may be indicated by them on the same terms and conditions as contained herein
- e) Our liability under this presents will terminate unless these presents are renewed as provided hereinabove on the _____ or on the day when our said constituents comply with their obligations, as to which a certificate in writing by the Reserve Bank of India alone is the conclusive proof whichever date is later. Unless a claim or suit or action is filed against us within six months from that date or any extended period, all the rights of the Reserve Bank of India against us under this guarantee shall be forfeited and we shall be released and discharged from all our obligations and liabilities hereunder.

Yours' faithfully,

For and on behalf of

_____ Bank.

Authorized official.

(NB: This guarantee will require stamp duty as applicable in the state, where it is executed and shall be signed by the official whose signature and authority shall be verified).

Annexure – ‘B’

Proforma Of Performance Bank Guarantee In lieu of Security Deposit

(To be submitted on non-judicial stamp paper of appropriate value purchased in the name of the issuing bank)

To
The Regional Director
Reserve Bank of India
Estate Department
Bhubaneswar

Dear Sir,

Tender for Design, Supply, Installation, Testing and Commissioning of 2x20 KVA UPS System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar -

WHEREAS Reserve Bank of India, having its Central Office at Shahid Bhagat Singh Road, Mumbai, (hereinafter called "the RBI") has awarded the Contract for the captioned project (hereinafter called the "Contract") to M/s _____ (Name of the Contractor) (hereinafter called "the said Contractor" which expression shall include its successors and assigns).

AND Whereas we are aware that an agreement has been executed between the Reserve Bank of India and the contractor and in terms of clause _____ of the said agreement the contractor is bound by the said Contract to submit to RBI a Performance Security for a total amount of ₹. (Rupees _____ only) (Amount in figures and words) for the due fulfilment by the said contractor of the terms and conditions contained in the contract. We, _____ (Name of the Bank), (hereinafter called "the Bank"), at the request of M/s _____, the contractor, do hereby undertake to pay to the RBI an amount not exceeding Rs _____ as Performance Guarantee for due fulfilment of the terms and conditions of the contract.

NOW THIS GUARANTEE WITNESSETH

1. We _____ (Name of the Bank) do hereby agree with and undertake to RBI, their Successors, Assigns that in the event of the RBI coming to the conclusion that the Contractor has not performed his obligations under the said conditions of the contract or have committed a breach thereof, which conclusion shall be binding on us as well as the said contractor; we shall on demand by the RBI, pay without demur to the RBI, a sum of

Rs. _____ (Rupees _____ only) or any lower amount that may be demanded by the RBI. Our guarantee shall be treated as equivalent to the Performance Guarantee Amount for the due performance of the obligations of the Contractor under the said Contract, provided, however, that our liability against such sum shall not exceed the sum of Rs. _____ (Rupees _____ only).

2. We also agree to undertake to and confirm that the sum not exceeding Rs. _____ (Rupees _____ only) as aforesaid shall be paid by us without any demur or protest, merely on demand from the RBI on receipt of a notice in writing stating that the amount is due to them and we shall not ask for any further proof or evidence and the notice from the RBI shall be conclusive and binding on us and shall not be questioned by us in any respect or manner whatsoever. The Bank shall pay to RBI any money so demanded notwithstanding any dispute/disputes raised by the Contractor in any suit or proceedings pending before any Court, Tribunal or Arbitrator/s relating thereto and the liability under this guarantee shall be absolute and unequivocal. We undertake to pay the amount claimed by the RBI within a period of one week from the date of receipt of the notice as aforesaid.

3. We confirm that our obligation to the RBI under this guarantee shall be independent of the agreement or agreements or other understandings between the RBI and the Contractor.

4. This guarantee shall not be revoked by us without prior consent in writing of the RBI. We hereby further agree that –

a) Any forbearance or commission on the part of the RBI in enforcing the conditions of the said agreement or in compliance with any of the terms and conditions stipulated in the said Contract and/or hereunder or granting of any time or showing of any indulgence by the RBI to the Contractor or any other matters in connection therewith shall not discharge us in any way and our obligation under this guarantee. This guarantee shall be discharged only by the performance by the Contractor of their obligations and in the event of their failure to do so, by payment by us of the sum not exceeding Rs. (Rupees only).

b) Our liability under these presents shall not exceed the sum of Rs. _____ (Rupees _____ only).

c) Our liability under this agreement shall not be affected by any infirmity or irregularity on the part of our said constituents/clients or their obligations thereunder or by dissolution or change in the constitution of our said constituents.

d) This guarantee shall remain in force till currency of contract.

e) Our liability under these presents will terminate unless these presents are renewed as provided hereinabove on the or on the day when our said constituents comply with their obligations, as to which a certificate in writing by the RBI alone is the conclusive proof whichever date is later. Unless a claim or suit or action is filed against us within or any

extended period, all the rights of the RBI against us under this guarantee shall be forfeited and we shall be released and discharged from all our obligations and liabilities hereunder.

In witness whereof I/We of the Bank have signed and sealed this guarantee on the _____ day of _____ (Month) _____ (Year) being herewith duly authorized.

For and on behalf of _____ (Name of the Bank) Signature of authorized Bank official

Name:

Designation

Stamp/ Seal of the Bank

Signed, sealed and delivered for and on behalf of the Bank by the above named in the presence of:

Witness 1

Signature

.....

Name

.....

Address

(NB: This guarantee will require stamp duty as applicable in the state, where it is executed and shall be signed by the official whose signature and authority shall be verified).

Annexure - 'C'

CLIENT's CERTIFICATE REG. PERFORMANCE OF CONTRACTOR

Name & address of the Client

Details of Works executed by Shri /M/s

- 1 Name of work with brief particulars
- 2 Agreement No. and date
- 3 Agreement amount
- 4 Date of commencement of work
- 5 Stipulated date of completion
- 6 Actual date of completion
- 7 Details of compensation levied for delay
(indicate amount) if any
- 8 Gross amount of the work completed and paid
- 9 Name and address of the authority under whom
works executed
- 10 Whether the contractor employed qualified
Engineer/Overseer during execution of work?
- 11 i) Quality of work (indicate grading) Outstanding/Very Good/Good/Satisfactory/poor

ii) Amt. of work paid on reduced rates, if any.
- 12 i) Did the contractor go for arbitration?

ii) If yes, total amount of claim

iii) Total amount awarded
- 13 Comments on the capabilities of the contractor.

a) Technical proficiency	Outstanding/Very Good/Good/Satisfactory/Poor
b) Financial soundness	Outstanding/Very Good/ Good/Satisfactory/Poor
c) Mobilization of adequate T&P	Outstanding/Very Good/Good/Satisfactory/Poor
d) Mobilization of manpower	Outstanding/Very Good/Good/Satisfactory/Poor
e) General behavior	Outstanding/Very Good/Good/Satisfactory/Poor

Seal and Signature of the Authorised Signatory

Note:

- (i) All columns should be filled in properly countersigned.
- (ii) The Client Certificates should be submitted for each of the Prequalification work/s.
- (iii) The client's certificate shall be signed by an official of the rank of Executive Engineer or equivalent in respect of a Government/Semi Government organization or a PSU and the client's certificate issued by the private organizations shall also accompany Tax Deducted at Source (TDS) certificate.

Annexure – ‘D’

FORM OF BANKERS' CERTIFICATE FROM A SCHEDULED BANK

Ref. No. _____

Date: _____

Regional Director
Reserve Bank of India
Estate Department
Pt. J.L Nehru Marg
Bhubaneswar-
751001

Respected Sir/Madam,

This is to certify that to the best of our knowledge and information M/s. /Shri..... a customer of our bank having marginally noted address, are/is respectable and can be treated as good for any engagement up to a limit of ₹13,00,000/- (Rupees Thirteen Lakhs only).

This certificate is issued without any guarantee or responsibility on the bank or any of its officers.

Other particulars are given below for your perusal and record:

S.No.	Particulars	Comments of the Bank
1.	Composition of the firm (whether Partnership"/ Private Limited/ Proprietorship/ Public Limited.)	
2.	Name of the Proprietor/ Partners/ Directors of the firm.	
3.	Credit facility/ Overdraft facility enjoyed by the firm.	
4.	Dealings	
5.	The period from which the firm has been banking with your bank.	
6.	Any other remarks.	

(Signature)
For the Bank

Note:

Bankers' certificates should be on letter head of the Bank, sealed in cover addressed to RBI.

In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

Annexure – ‘E’

Proforma of Undertaking for Maintenance Confirmation by the Bidder

(To be furnished by the OEM of the offered 2x20 KVA UPS System on their letter head)

To

The Regional Director

Reserve Bank of India

Estate Department

Bhubaneswar

Dear Sir,

Tender for Design, Supply, Installation, Testing and Commissioning of 2x20 KVA UPS System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar.

We, _____ (name and address of the manufacturer) the manufacturers of _____ having factories at _____ (address of manufacturing / development locations) do hereby undertake above equipment manufactured / developed by us and to maintain the equipment after its installation during Defect Liability Period (DLP) and Comprehensive Annual Maintenance (CAMC) as prescribed in the contract.

We hereby undertake to maintain satisfactorily the 2x20 KVA System installed by us, under this Contract, in Bank's Office building in Bhubaneswar, for a period of not less than 7 years after expiry of the defect liability / warranty period of ONE year from the date of virtual completion at the rates quoted in the tender towards all-inclusive Comprehensive Annual Maintenance Contract (CAMC), subject only to the price revision clause specified in the tender.

We, the original equipment manufacturer, shall continue to provide support in terms of spares / technical manpower etc., i.e., all-inclusive service to your satisfaction, by arranging required spares etc., ourselves, within the rate quoted in the tender for the all-inclusive maintenance contract for the period accepted as above.

Yours faithfully,

For _____

(Original Equipment Manufacturer)

Authorised Signator

Annexure- 'F'

List of Clients

Details of similar qualifying works executed before 5 years (Date of work order should be on or before June 30, 2020)

Sr. No.	Name and address of the firm	Rating and No. of units installed	Value of the work	Whether works completed in time or not (give date of start & and date of completion)	Completion period as per work order	Email /phone number &Contact person of the firm

Annexure- 'G'

Details of similar qualifying works executed during the last 5 years ending June 30, 2025)

Sr. No.	Name of work	Name and address of the firm	Rating and No. of units installed	Value of the work	Whether works completed in time or not (give date of start & and date of completion)	Completion period as per work order	Email /phone number &contact person of the firm

Annexure – 'H'

Details of Service Setup

S.No	Details of Service Center	
1.	Address of Service Center in Bhubaneswar	
2.	Contact Number including Mobile/landline and Email of the Service Centre In charge	
3.	Staff Strength	
4.	Whether spare parts of the UPS system have been stacked	

(Proof of service setup may be uploaded)

Complaint Escalation Matrix

	Name & Designation with Address	Contact Details (Mobile/Landline)	Email ID
Level 1			
Level 2			
Level 3			

Place:

Date:

Seal and Signature of the Contractor

Annexure – ‘I’

FORMAT FOR POWER OF ATTORNEY FOR SIGNING OF PROPOSAL

(On Non-Judicial Stamp Paper of appropriate value)

Know all men by these presents, We.....(Name of the Bidder and address of their registered office) do hereby constitute, appoint and authorize Mr. / Ms.
.....(Name and residential address of Power of Attorney holder) who is presently employed with us and holding the position ofas our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our bid for the **“Design, Supply, Installation, Testing and Commissioning of 2x20 KVA UPS System in (N+1) parallel redundant mode along with Comprehensive AMC for the Bank’s Main Office Building at Bhubaneswar”** including signing and submission of all documents and providing information / responses to RBI, representing us in all matters before RBI, and generally dealing with RBI in all matters in connection with our proposal for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Note:

Power of Attorney should be properly stamped and notarized Power of Attorney furnished shall be irrevocable.

Signature/(s) of the Bidder Name/(s)

Stamp/Seal of the Bidder

(NB: This guarantee will require stamp duty as applicable in the state, where it is executed and shall be signed by the official whose signature and authority shall be verified.)

Annexure - 'J'

Proforma of Undertaking / Declaration / Certificate by the Bidder regarding country sharing land border with India

(To be submitted by the bidders on their letter head duly sealed and signed by the authorised signatory)

To

Regional Director

Reserve Bank of India

Bhubaneswar.

Name of Work: Design, Supply, Installation, Testing and Commissioning of **2x20 KVA** UPS System in (N+1) parallel redundant mode along with Comprehensive AMC for the Bank's Main Office Building at Bhubaneswar

I/We _____ (Name and address, including country of location of bidder) have read and understood the contents of the Office Memorandum (OM) F.No. 6/18/2019-PPD dated July 23, 2020 and its subsequent orders / revision issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, Government of India regarding the restrictions on procurement from a bidder of a country which shares a land border with India.

2. I/We certify that _____ (Name of the bidder)

- i. Is not from a country sharing land border with India, or
- ii. Is from a country sharing land border with India and has been registered with the Competent Authority, the certificate of which is enclosed, or
- iii. Is from a country sharing land border with India where Government of India has extended lines of credit, or
- iv. Is from a country sharing land border with India where Government of India is engaged in development projects.

(strikeout whichever of the above is not applicable)

3. I/ We further certify that _____ (Name of the bidder) fulfils all requirements in this regard and is eligible to be considered under the provision of the above referred Office Memorandum and its subsequent orders / revision. I/We also undertake that even in case of contracts where we are permitted by the Bank/RBI to sub-contract I/We _____ (Name of the bidder) will not sub-contract any work to a contractor from country(ies) sharing land border with India, unless such contractor fulfils all the requirements contained in the above referred office memorandum/ order.

4. I/We know and understand that, if this Undertaking / Declaration / Certification / Certificate submitted by us is found to be false, the Bank shall be free to reject / terminate our tender / Work Order and that the Bank shall also be free to initiate any legal action in accordance with law including forfeiting of Earnest Money Deposit / Performance Bank Guarantee / Security Deposit and / or debarring us from participating in tenders invited by the Bank in future.

Signature and name of the authorised signatory of the Bidder with stamp

Date:

Place:

Annexure – ‘K’

Undertaking regarding site visit by the Tenderer in order to understand the work

**To
The Regional Director
Reserve Bank of India
Estate Department
Bhubaneswar**

Dear Sir,

Name of the Work: Design, Supply, Installation, Testing and Commissioning of 2x20 KVA UPS system in N+1 parallel redundant mode along with Comprehensive AMC for Bank’s Main Office Building at Bhubaneswar.

We, _____, the tenderer for the above work confirm that we have visited the site and understood the proper details of the existing UPS system working presently and also the scope of the work for the proposed system.

Yours Faithfully,

(Authorised Signatory)

Name and address of the company with seal

Date:

Place:

Annexure – ‘L’

Undertaking regarding declaration of debarment by public institution(s)

(To be submitted by the tenderer on their letter head)

Name of Work: Design, Supply, Installation, Testing and Commissioning of 2x 20 KVA UPS system in N+1 parallel redundant mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar.

1. I / We _____ (Name of the bidder) declares that,

a) I / We or any of our allied firm* is / or not debarred / suspended / blacklisted by any public institution / entity in India or any other country as on _____ (last date of submission of bid).

b) I / We or any of our allied firm* have not made any transgression in respect of the code of integrity (as mentioned in the tender) with any public institution / entity in India or any other country in last three years as on _____ (last date of submission of bid).

c) We will inform the Bank in writing, in case, I / We or any of our allied firm* is / are debarred / suspended / blacklisted by any public institution / entity in India or any other country on or before award of work for the captioned work.

2. I / We _____ (Name of the bidder) declares that, I / We or any of our allied firm* _____ (Name of the allied firm(s)) * is / are debarred / suspended / blacklisted by _____ (Name and address of the public institution in India or any other country) and the same effective up to _____ (date). A copy of such letter is attached for your information and record.

(Seal and Signature of the bidder)

Date:

Place:

(Note: Strike out one of the above two declarations which is not applicable)

* Allied firm: A firm would be termed as "allied firm" if the management is common, or substantial or majority shares are owned by the banned / suspended firm and by virtue of this it has controlling voice. Further all successors firms will also be considered as allied firms.

Annexure – ‘M’

Mandate Form

Dear Sir,

I / We hereby give my / our consent to accept the payments of my / our bills through online e-payment system. My Bank details are as under:-

Particulars	Details
Name of Account holder	
Address of Beneficiary with e-mail	
Telephone / Mobile Nos.	
PAN Card No.	
Bank Name	
Branch Name & Address	
IFSC Code	
Account No.	
Type of A/c (CA/SB/CC)	
Contact details of Person In-Charge of Work (Name, Mobile No and Email Id)	
Registered under GST Act, 2017 (Yes/ No)	
GSTIN	
Composition Taxable (Yes/ No)	
Registered under MSMED Act 2006 (Yes/ No)	
UAN No. (If Registered as MSME)	

***NOTE:** It is mandatory to provide Cancelled Cheque and Copies of PAN Card, GST Registration Certificate and MSME Registration Certificate along with this form.

Signature

(Seal & Name)

Annexure – ‘N’

NEFT Details for effecting e-payments

Name of the Institution: Reserve Bank of India, Bhubaneswar

Address (in full): Reserve Bank of India, Bhubaneswar

1	Name of the Account Holder (as appearing in the Bank Account)	Reserve Bank of India, Bhubaneswar
2	Account Number	186003001
3	Type of Account (Savings, Current etc.)	Current
4	Name of the Bank	Reserve Bank of India
5	Name of the Branch	Bhubaneswar
6	Address of the Bank	RBI, Bhubaneswar
7	NEFT/IFSC Code	RBIS0BBPA01

Annexure – ‘O’

Information to be submitted by the Bidders

General Checklist for the documents to be uploaded

S.No.	Description	Bidders Confirmation (Yes / No)
1.	Duly seal and signed Tender Part-I	
2.	Proof of EMD submitted for an amount of Rs.26,000/-	
3.	Client's certificate - As per Annexure ‘C’	
4.	Banker's certificate – As per Annexure- ‘D’	
5.	Format for undertaking Product & Maintenance Support – As per Annexure ‘E’	
6.	List of Clients – As per Annexure ‘F’	
7.	Details of similar qualifying works- As per Annexure ‘G’	
8.	Details of Service setup and complaint escalation matrix - As per Annexure ‘H’	
9.	Format for power of attorney for signing of proposal – As per Annexure ‘I’	
10.	Undertaking / Declaration / Certificate by the Bidder regarding country sharing land border with India – As per Annexure ‘J’	
11.	Undertaking regarding site visit by the Tenderer in order to understand the work - As per Annexure ‘K’	
12.	Undertaking regarding declaration of debarment by public institution(s)- As per Annexure ‘L’	
13.	Mandate Form - As per Annexure ‘M’	
14.	Proforma for Letter of Authorisation and Maintenance undertaking from the OEMs - As per Annexure ‘P’	
15.	Copies of Audited financial statements and ITRs of last three financial years.	
16.	Copies of TDS certificates in case of works completed with private organization.	

17.	Copies of GST registration certificate and PAN details	
18.	Copy of MSME Registration certificate	
19.	Technical literature of the various components and write up of the system.	

Annexure – ‘P’

Proforma for Letter of Authorisation and Maintenance undertaking from the OEMs

(To be issued by the manufacturers of UPS separately on their letterhead and shall be uploaded by the bidder with the tender)

To

Date:

The Regional Director,
Reserve of India,
Estate Department
Bhubaneswar

Subject: Design, Supply, Installation, Testing and Commissioning of 2x 20 KVA UPS system in N+1 parallel redundant mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar.

Sir,

We _____, (name and address of the manufacturer) the manufacturers of _____ having factories at _____ (addresses of manufacturing / development locations) do hereby authorize M/s _____ (name and address of the tenderer) to bid, negotiate and conclude the contract with you against the above mentioned tender for the above equipment developed by us.

In the unlikely event of M/s _____ (tenderer) not remaining our authorised dealer, we, the original equipment manufacturer, shall continue to provide support for the products manufactured by us and provided under the scope of the captioned project, either directly or through any of dealer inducted by the Bank for maintenance of above system, in terms of providing spares/ updates / technical man power etc. i.e. all-inclusive service to your satisfaction, for minimum up to 8 years from the date of virtual completion of the captioned work.

Yours faithfully,

For and on behalf of

M/s _____ (Name of the manufacturer)

Seal and Signature:

Name:

Designation:

Address:

Note: The Content of the letter should not be altered. If any addition or deletion or modification in the content of this letter submitted by the tenderer is noticed, the tender is liable for rejection.

Unpriced Bill of Quantity

Name of the Work: Design, Supply, installation, testing and commissioning of 2x20 KVA Uninterrupted Power Supply System in N+1 parallel redundant mode for Bank's Main Office Building at Bhubaneswar.

Sr. No.	Description	Qty.	Unit
1.	<p>Design, Supply, Installation, testing and commissioning of a set of 2 nos. True Online UPS, each of 20 KVA capacity suitable for motor load, connected in (N+1) parallel redundant mode with capability to connect more UPS units of same capacity in parallel redundant mode including circuit breakers, Common paralleling bus bar panel, isolation transformers made of Copper winding with CRGO laminations, interconnecting cables, Copper earth conductors etc., as per detailed specifications (as specified in Section V – Technical specifications).</p> <p>{The rate shall also include for testing of UPS, packing and forwarding charges and insurance charges. The rate shall also include supply of online viewing software including loading in the PC to be provided by the Bank and showing the performance.}</p>	1	Set
2.	<p>Supply, Installation, Testing, Commissioning and handing over of 12 volts Valve regulated Lead Acid Batteries Sealed Maintenance Free (SMF) having fire retardant casing each battery bank for 60 Minutes backup for 20 KVA load (on each Bank) at 0.8 Power factor as specified including battery circuit breaker, battery Rack, interconnecting suitable size UNINYVIN copper cables from battery to battery and from UPS to Battery Bank and all other materials as required and initial charging as directed by the Bank's Engineer. (The rate shall also include packing and forwarding charges, and insurance charges for Contractor All Risk Policy including fire for supply, transit, storage, erection testing and commissioning etc., Workmen compensation policy and third-Party Liability policy as per terms and conditions and valid till virtual completion.)</p>	2	Set

3.	All-inclusive comprehensive annual maintenance service contract charges for the 2 x 20 KVA UPS system as in item No.1 above as per terms and conditions.	1	year
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Signature of the contractor _____

Name of the firm _____

Seal of the firm _____



**Reserve Bank of India
Estate Department
Bhubaneswar**

e-Tender for

Design, Supply, Installation, Testing and Commissioning of 2X20 KVA Uninterrupted Power Supply System in N+1 Parallel Redundant Mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar

**Part – II
(Price Bid)**

e-Tender No- RBI/Bhubaneshwar/Estate/12/25-26/ET/306

Name of Tenderer: _____

Address: _____

Contact Details with email ID: _____

Date and time of Pre-bid meeting : At 11:00 Hrs. on August 13, 2025

Due date and time for Submission of tender : Up to 14:00 Hrs. on August 25, 2025

Date of opening of Part- II of tender : At 14:30 Hrs. on August 25, 2025

Design, Supply, installation, testing and commissioning of 2x20 KVA Uninterrupted Power Supply System in N+1 parallel redundant mode along with Comprehensive AMC for Bank's Main Office Building at Bhubaneswar

Part II – Price Bid

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs)
1.	Design, Supply, Installation, testing and commissioning of a set of 2 nos. True Online UPS, each of 20 KVA capacity suitable for motor load, connected in (N+1) parallel redundant mode with capability to connect more UPS units of same capacity in parallel redundant mode including circuit breakers, Common paralleling bus bar panel, isolation transformers made of Copper winding with CRGO laminations, interconnecting cables, Copper earth conductors etc., as per detailed specifications (as specified in Section V – Technical specifications). {The rate shall also include for testing of UPS, packing and forwarding charges and insurance charges. The rate shall also include supply of online viewing software including loading in the PC to be provided by the Bank and showing the performance.}	1	Set		
2.	Supply, Installation, Testing, Commissioning and handing over of 12 volts Valve regulated Lead Acid Batteries Sealed Maintenance Free (SMF) having fire retardant casing each battery bank for 60 Minutes backup for 20 KVA load (on each Bank) at 0.8 Power factor as specified including battery circuit breaker, battery Rack, interconnecting suitable size UNINYVIN copper cables from battery to battery and from UPS to Battery Bank and all other materials as required and initial charging as directed by the Bank's Engineer. (The rate shall also include packing and forwarding charges, and insurance charges for Contractor All Risk Policy including fire for supply,	2	Set		

	transit, storage, erection testing and commissioning etc., Workmen compensation policy and third-Party Liability policy as per terms and conditions and valid till virtual completion.)				
A	Total Amount in Rs. (Sr. No. 1 and 2) – (A)				
3.	All-inclusive comprehensive annual maintenance service contract charges for the 2 x 20 KVA UPS system as in item No.1 above as per terms and conditions.	1	year		
	Total CAMC- (B)				

Total Cost of Ownership = Capital Cost (A) + 5.68*CAMC Rate (B)

Signature of the contractor _____

Name of the firm _____

Seal of the firm _____