



केन्द्रीय माध्यमिक शिक्षा बोर्ड
CENTRAL BOARD OF SECONDARY EDUCATION

F-504/M & E / MAint./2017/
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Date: 18/07/2017

Sub:- Limited tender for SITC of 10 KVA online UPS system with tubular batteries of one hour back up.

Sir,

The Board intends to invite limited tender for "SITC of 10 KVA online UPS system with tubular batteries of one hour back up" from original Equipment Manufacturer (OEM)/ Authorized Distributors / Authorized Dealers having GST Registration Certificate, PAN Card and IT Return Certificate for the Assessment year 2014-2015, and 2015-2016 for Rs. 25.0 lacs in the past two years and above for supply of 1 No's of 10KVA online UPS with batteries capable of providing one hour backup.

Date of floating:	18/07/2017
Last date of tender submission :	2:00 PM of 2/08/2017
Tender Opening:	3:00 PM of 2/08/2017
Tender Cost:	Rs. 500/-
EMD Deposit:	Rs. 9000/-
Security Deposit:	5 % of purchase order in shape of Bank Guarantee valid for the warranty period.

The tender document containing detailed terms and condition can be obtained from Central public procurement portal <http://eprocure.gov.in/epublish/app> or CBSE website, www.cbse.nic.in. Sealed tender complete in all respect must be submitted latest by 02/08/2017 upto 2.00 PM & dropped in the tender box placed at Reception counter, Shiksha Kendra, 2 Community Centre, Preet Vihar, Delhi-110092. Sealed quotations shall be opened on same day at 3:00 PM in the presence of tenderers.

Incomplete & conditional tenders shall be summarily rejected. The Secretary CBSE reserves the right to reject any or all the quotations without assigning any reason-thereof.

Yours faithfully,

(RAHUL TYAGI)
ASSISTANT ENGINEER (CIVIL)

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SECTION I

INSTRUCTIONS TO BIDDERS

1. Sealed tenders are invited from the reputed firms engaged in the supply installation testing and commissioning of 10 KVA On-line UPS System with Tubular batteries of one hour back-up to CBSE, H.Q building, Preet Vihar, Delhi-110092.
 2. The firms fulfilling the following criteria, may deposit their bids superscribed as“TENDER FOR SUPPLY AND INSTALLATION OF 10 KVA ON-LINE UPS SYSTEM WITH TUBULAR BATTERIES OF ONE HOUR BACK-UP” and address it to **The Secretary, Central Board of Secondary Education, 2, Community Centre, Preet Vihar, Delhi-110092.** so as to reach on or before 2:00 PM, or the tender may be dropped in Tender Box placed at Reception counter, CBSE, H.Q building, 2 community centre, Preet Vihar, Delhi-110092.
 3. CBSE will not be responsible for any delay or loss of document in transit due to any reason.
 4. Tender should be submitted in the prescribed Tender Document or downloaded from CBSE website www.cbse.nic.in or Govt. of India e-publishing portal <http://eprocure.gov.in/epublish/app>
- **TENDER FEE:** The cost of tender document is Rs. 500/- (Rupees Five Hundred Only) (Non - refundable). The tender document can be. The cost of tender document shall be attached with Tender Bid in case the tender document is downloaded from the website. The Tender Document is not transferable to any other bidder.
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- **EARNEST MONEY DEPOSIT (EMD):** An Earnest Money Deposit of Rs.9,000/- (Rupees Nine thousand only) in the form of demand draft drawn in favor of Secretary, CBSE may be submitted, failing which their bids will not be considered valid. The Earnest Money Deposit shall be forfeited if the successful bidder withdraws his offer in due course. The amount will be refunded to unsuccessful bidder without any interest after completion of the tender process. The EMD should remain valid for a period of 90 days beyond the final tender validity period.

PERFORMANCE SECURITY

- The successful bidder shall deposit an amount equal to 10% of the approved tender cost i.e within 2 weeks of conveying CBSE intention for accepting the bid as Performance Security.
- Performance Security shall be submitted in the form of Bank Guarantee issued by a or DD/Banker’s cheque drawn in favour Secretary, CBSE.
- Performance Security will be discharged after completion of contractor’s performance obligations under the contract.

SECTION II

General Terms & Conditions bidder should satisfy are as mentioned below:

1. Firms must quote rates only in the financial bid Performa.
2. The validity for the rates quoted by the firms should be for a period of 90 days from the date of opening of tenders.
3. Canvassing in any form will be viewed unfavorably and if any tenderer is found to be resorting to such practice, the tender of such firm will be rejected.
4. Conditional offers will not be considered and will be rejected.
5. In case, any clarification is required the tenderer may seek the same from this office. Any request after the last date and time for submission of bids for any clarification would not be entertained.
6. The authority for the acceptance of the tenders rests exclusively with the Secretary CBSE. **CBSE** does not undertake to accept the lowest or any particular tender or to assign any reason whatsoever for the rejection of any tender. The decision of the CBSE shall be final in all matters of this tender.
7. Amendment to tender documents: At any time prior to the last date of receipt of bids, CBSE may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidders, modify the tender document by issuing an amendment/ addendum. Corrigendum/ extension/ addendum etc. to this tender shall be published in the CBSE website only. Prospective bidders are advised to regularly visit the website: www.cbse.nic.in to keep track of corrigendum/ extension/ addendum etc, if any.
8. Guarantee/warrantee periods as well as facilities available for after sales service may also be indicated clearly.
9. Financial bid should specify rates per unit should include all charges such as, packing, freight, handling, hire etc, for delivery at the above address.
10. The tender should specify the maximum period required for arranging supply from the date of receipt of firm orders/supply contract. Further, extension of time will not be provided for supply than the minimum time indicated in the quotation by the supplier after firm orders are placed by CBSE
11. Each bid must contain not only the rates for the main items of the quotation but also for spare parts that are compulsorily supplied with the main equipment. No part is made to be optional. All parts should be quoted. The aggregate value of the entire quotation with all parts required should be mentioned failing which the quotation liable to be rejected. The Secretary, CBSE reserves the right of ordering or not ordering any of the quoted parts. The validity for the rates quoted by the firm should be for a period of 90 days from the date of opening of tender.

12. Failure to make supply whether a portion of the items or the full supply as per the terms of indent or non-performance/non supply in time or regularly or supplying items not confirming to the specifications, quality prescribed or which is found to be defects in and other way or for breach of any of the conditions stipulated will entail enforcements of one or more of the following:
 - (a) The defaulting firm will be liable, in addition to pay the extra expenditure if any incurred by the CBSE for having purchased the materials elsewhere, because of the failure of the firm to make supply in time.
 - (b) No representation for enhancement of rates will be considered during currency of the contract once the rates quoted are accepted. No import licence will be provided by this office.
 - (c) The other requirements that may be ordered separately must also be supplied under the same conditions and at the same rates.
 - (d) In the case of articles rejected for not being in accordance with the accepted specifications as per the purchase order or has been received in damaged conditions the quotation should be prepared to take them back and replace them by correct item within a week without additional cost to the CBSE.
13. Rates should be quoted in figures as well as in words, over writing or any corrections are not allowed.
14. Necessary training/instructions on operation of the UPS should be given by the installation engineer to CBSE staff at the firms cost after completion of the installation.

SECTION III		
Technical Specifications / Requirements		
1. General specifications		
1	UPS Type	: DSP control based ON-LINE Double Conversion Technology
2	Capacity	: 10 KVA
3	Battery Backup	: 60 min at full load
4	Supply	: 3-Phase Input, 3-Phase Output
5	Operation Mode Normal (online)	: Emergency, Recharge, bypass, Maintenance bypass.
6	Rectifier / Inverter	: IGBT with PFC control technology only
7	Transformer	: Isolation transformer only on Input side
8	Total Efficiency AC/AC at 100% load	: $\geq 94\%$ (Online mode)
9	Parallel configuration	: ≥ 3 units (System should have option of paralleling 3 units if required)

2. INPUT

1	Voltage configuration	: Three-phase, 3-wire
2	Voltage rating	: 400V,
3	Min/ Max input voltage	: 320V to 480 V
4	Nominal Frequency	: 56 z 64 HZ
5	Max/Min frequency	: 50 Hz +/- 10%
6	Phase	: Three Phase
7	Inrush Current	: 700% of full load current maximum
8	Current Limit	: 125% of nominal AC input current maximum
9	Surge Protection	: As per IEC standard
10	THDi	: $\leq 3\%$ and should constant from 20% to 100% load
11	Power factor	: > 0.99

3. OUTPUT

1	Voltage Configuration	: Three-phase, 4-wire plus ground
2	Voltage	: 400V/415 V
3	Voltage regulation	: a) 1% three-phase RMS average for a balanced three-phase load for the combined variation effects of input voltage, connected load, battery voltage, ambient temperature, and load power factor. b) 2% three-phase RMS average for a 100% unbalanced load for the combined variation effects of input voltage, connected load, battery voltage, ambient temperature, and load power factor.
4	Voltage Distortion	: $\leq 3\%$ total harmonic distortion (THD) for linear loads. and $\leq 5\%$ THD for 100% nonlinear loads.
5	Crest factor	: 3:1
6	Frequency	: 50 Hz and Pure sine wave
7	Frequency regulation	: 50 Hz +/- 0.1%
8	Output power factor	: 0.9 or better
9	Overload Capacity	: 125% for ten minutes (without bypass source). : 150% for one minute (without bypass source).
10	Wave form	: Pure Sinusoidal

11 Output Voltage adjustment : 5% (Software Controlled adjustment)

4. Batteries:-

- 1 Make. : Reputed make i.e. Okaya, Exide or Panasonic
- 2 Type : TUBULAR
- 3 Rated battery life : min 7 years
4. Battery back up : **60** mints with full load
5. Battery stand : Suitable battery stand with MS fabricated with powder coated.
6. Battery link and cabling : suitable battery link and interconnecting copper cable from UPS to battery shall be supplied by vendor

The accumulator bank must have an expected service life of seven years with a capacity of 60 minutes at 100 % load. Detailed Battery backup calculation sheet and manufacturer charging/discharging characteristic chart shall be attached along with the bid also Battery type should be specified in the document.

5. On-Line Battery Test

The UPS shall be provided with Auto On-Line Battery Test feature. The test shall ensure the capability of the battery to supply power to the inverter while the load is supplied power in the normal mode.

6. Battery Charger:-

The battery charger shall recharge the battery to 90% of its fully charged condition preferably within six to eight (6-8) hours and at the same time supplying full load current to the system. The charger should have the Temperature Compensated Charging. The battery charger output voltage shall be automatically adjusted in proportion to the ambient temperature of the battery to avoid over-charging. The system must include one or more battery chargers:

- with IGBT technology;
- separate from the rectifier;
- with charging voltage independent from the DC bus voltage; dedicated and independent for each accumulator bank;

The battery charger must be able to operate with the following types of accumulator:

- Lead acid, hermetically sealed
- Lead acid, vented

Depending on the temperature, the battery charger shall be able to select the most suitable recharge method automatically, without operator intervention, alternating float mode in combination with “intermittent” charge in such a way as to limit the effects of corrosion (plate sulphation) and significantly prolong battery life. The maintenance charge voltage must be automatically regulated in relation to the temperature of the battery compartment. The battery compartment must be equipped with a temperature sensor for this purpose. The following parameters must be adjustable and configurable:

- Maximum recharge current limit;
- Constant float mode current and voltage;
- Switching threshold from fast recharge mode to maintenance mode.

The battery charge regulation and control circuit shall also provide the following functions:

- Continuous monitoring of the battery circuit (battery interrupted) with visual alerts on the local user interface;
- Monitoring of battery efficiency, via partial discharge at settable intervals; the check consists in continuously monitoring the discharge current and comparing it with the ideal discharge curve;
- Continuous monitoring of the battery charger's output voltage to ensure it remains within the limits required to optimize battery life. Recharging voltage anomaly alerts followed by deactivation of the charger;
- Residual battery capacity display.

7. Isolation Transformer

Suitable rating isolation transformer with copper wound shall be supplied and installed along with each UPS on Input side and test reports (Efficiency and losses) of the isolation transformer shall be enclosed along with the technical bid. The cooling of Isolation transformer shall be by forced cooling with inbuilt cooling fans. Supplier shall specify the Isolation transformer make and other specification along with technical bid for evaluation purpose.

8. Operating Ambient Temperature:-

UPS Module : (0 C to 45 C).

Battery: 30 C 5 C.

9. Cooling

Cooling of the UPS shall be by forced air and there should be redundant fans.

10. Grounding

The AC output neutral shall be electrically isolated from the UPS chassis. The UPS chassis shall have an equipment ground terminal. Provisions for local bonding shall be provided.

11. Wiring

Installation and required accessories like cables, lugs etc will be in the scope of supplier and Wiring practices, materials and coding shall be in accordance with the requirements of the National Electrical Code (NFPA 70). All bolted connections of bus bars, lugs, and cables shall be in accordance with requirements of the National Electrical Code and other applicable standards.

Conformity to standards

The system must conform to the following standards:

- Safety: EN62040-1.
- EMC emissions: EN62040-2.
- EMC immunity: EN62040-2 class C2 and C3.

12. Display & Metering:

- Input AC voltage line-to-line/ line-to-neutral for each phase
- Input AC current for each phase
- Input frequency

- Battery voltage and DC link voltage
- Battery charge/discharge current
- Output AC voltage line-to-line and line-to-neutral for each phase
- Output AC current for each phase
- Output frequency
- I/P & O/P Apparent power for each phase
- I/P & O/P Active power for each phase
- I/P & O/P kWh meter
- Battery time left during battery operation
- The total operating time of the UPS and inverter

13. Alarm Messages

The interface must be able to display at least the following status or event information and UPS monitoring should be web based and user friendly.

- Input power out of tolerance
- Battery charger problem
- Battery test failed
- Low battery warning
- Low battery shutdown
- DC bus overvoltage
- Bypass frequency out of range
- Load transferred to bypass
- Excessive retransfers attempted
- Static switch failure
- UPS output not synchronized to bypass
- power Output under voltage
- Output overvoltage
- Output over current
- System output overloaded
- Load transferred to bypass due to overload
- Overload shutdown
- Control error
- Critical power supply failure
- Load transferred due to internal protection
- External shutdown (remote EPO activated)
- Fan failure
- Over temperature shutdown
- UPS is on battery operation
- UPS is on bypass operation
- Battery mode with mains supply / no mains supply
- battery low charge warning
- battery on fast charge
- abnormal battery recharge voltage
- minimum battery voltage
- battery fault
- battery charge circuit broken
- battery charger system fault

- overload alert
- ventilation fault alert
- out of range temperature/humidity alert
- standby power supply out of tolerance

A predictive/statistical algorithm and interpretation of logged data (number, duration and type of events) regarding:

- out of tolerance Input voltages
- overloads
- battery mode operation
- switching to standby power supply
- over- temperature

The UPS must predict potential criticalities for the UPS itself, due to ambient conditions, in advance and alert the maintenance service / monitoring system.

14. Diagnostics

The system will be equipped with a microprocessor able to run full machine diagnostics to determine:

- Self-compensation of components to ensure stable settings over time;
- Acquisition of the main diagnostic and monitoring information by computer (local or remote);
- First installation procedure wizard;
- Full test procedure at full load on UPS, with no further external loads (auto-charge mode)
 - rectifier;
 - inverter;
 - bypass;
 - power bus;
 - cables, contactors and fuses;

15. Uninterrupted Transfer / Retransfer

The transfer control logic shall automatically turn on the static transfer switch, transferring the critical AC load to the bypass source, after the transfer logic senses any of the following conditions:

- Inverter overload capacity exceeded
- Critical AC load overvoltage or under voltage Battery protection period expired
- Out of tolerance inverter input DC voltage
- Over temperature
- Inverter fault

Retransfer of the critical AC load from the bypass source to the inverter output shall be automatically initiated unless inhibited by manual control.

16. Maintenance bypass

The manual bypass switch will be provided internally and must ensure that equipment downstream of the UPS is supplied directly by the UPS upstream power source when rectifier, inverter and static

switches are open. Switching to the manual bypass and back will be possible without load supply interruption (Make Before Break).

17. Replacement Parts Stocking

Parts shall be available through an extensive network to ensure around-the-clock parts availability throughout the country. **Recommended spare parts shall be fully stocked by local field service personnel with back-up available from national parts center and the manufacturing location. The national parts center Customer Support Parts Coordinators shall be on-call 24 hours/day, 7 days/week, and 365 days/year for immediate parts availability. Tenderers may also produce Delhi service center address along with strength support in the form of escalation chart. The UPS systems are going to feed the power to very critical equipments, and it is the responsibility of local service team to attend any emergency situation immediately during warranty period as well as post warranty period. Hence, service center at Delhi is very much essential.**

18. Battery Circuit Breaker

A suitable battery circuit breaker (DC breaker) shall be provided to isolate the battery from the UPS. This breaker shall be in a separate wall mounted NEMA-1 enclosure. The battery breaker provides a manual disconnecting means, short circuit protection, and over current protection for the battery system. When opened, there shall be no battery voltage in the UPS enclosure. The UPS shall be automatically disconnected from the battery when the battery reaches the minimum discharge voltage level. **During any abnormalities (over charging)/accident, UPS should be able to trip the battery breaker automatically. So necessary arrangement needs to be done.**

19. Other Protections

- Battery protection period expired Input Over/ under voltage, Output over/ under voltage, Output short circuit, Inverter overload, Rectifier overload, Inverter Overvoltage/under voltage, over temp, surge protection.
- It must have Generator Compatibility.
- Must have complete protection for EMI / RF as per the IEC standard.
- Units have built in surge, spike and line noise protection.
- It should have Intelligent Battery Management system
- UPS should be compact and with small footprints.
- UPS sound level should be within the limit as per the standard.

Warranty/Guaranty:

The equipments (complete system including battery banks) supplied shall be guaranteed against all types of defects for a period of **Two years (2 years)** from the date of handing over of the equipment to CBSE after successful completion of acceptance testing. Any defects in the system/subassemblies found within the guarantee period shall be rectified/replaced by the

supplier free of cost. During this period, servicing at bimonthly interval or earlier, as prescribed by the manufacturer and as mutually agreed to, shall be carried out free of cost. It also includes battery health checks of the all the battery banks. Supplier shall also indicate the service facility they can offer at the place of installation and the telephone number and address of their service center. During the warranty period, breakdown call response time should be within 4 hrs in all working hours and 24hrs during after office hours and weekends. The track record of the firm in implementing and maintaining similar UPS systems, the nearest local(Delhi) service establishment and the promptness in attending to service/breakdown calls shall also form basis of tender evaluation.

20. Rating test

8 hrs full load endurance test shall be carried out at factory premises and followed by 110% load for 1 hr period. Test to ascertain the rated and transient capacities and overall efficiency of the system will be carried out at factory and with the battery backup of 60 minutes with full load at the factory. Satisfactory performance at this stage meeting the prescribed limits will only be construed as acceptance of the UPS. The quoted UPS which falls short of our prescribed minimum overall efficiency will not be accepted.

If the full load endurance test needs to be conducted at CBSE, H.Q building then vendor should arrange all load banks with necessary cable arrangement along with metering (Digital oscilloscope- to find out transients and I/P & O/P wave forms). The cost for energy consumption during the endurance test shall be deducted in the final bill after due certification from the Engr-in-charge.

21. Annual Maintenance Contract (AMC)

After warranty, the offer should have separate component of AMC for three years.

Note: The Contractors shall submit all technical supporting document details of the system along with the tender and also should attach the Battery backup calculations and battery discharge characteristics catalog along with the technical bid for evaluation purpose.

Prequalification check lists:

Sl.No	Description	Marks	remarks
1	Capacity : 10kVA or better		
2	Overall efficiency AC/AC at 100% load > 95%		
3	Input power factor @ > 0.99		
4	Output power factor : 0.9 or better		
5	Input voltage range : +/- 20%		
6	Input THDi : <3%		
7	Output voltage and frequency regulation: voltage : +/- 1% and Frequency : +/- 0.1%		
8	Battery make & type : Reputed make, i.e. Okaya, Exide or Panasonic SMF/TUBULAR Battery backup : 60mins		
9	Local service team & team strength		
10	Warranty/guaranty and rating test		

4. ELIGIBILITY AND QUALIFICATION REQUIREMENTS

a) ELIGIBILITY CRITERIA

1. Should be a Firm/Company (Incorporated in India) having their own Service Centre installations.
2. Bidder should have a fully functional service centre with spares stock for attending the breakdown calls. Details of the service centre must be provided.
3. Bidder should be an established Service Centre Services provider and should have been in this business for a period not less than five years as on 30.06.2017.
4. Bidder should have a minimum 5 year experience in the design, manufacture and testing of UPS System.
5. The Bidder shall not be under a declaration of ineligibility for corrupt or fraudulent practices or blacklisted by any of the Government agencies.
6. The Bidder must have a turnover of more than Rs.50 lakhs in at least one of the last three Financial Years ending on 31.03.2017

5. DETAILS TO BE FURNISHED AND MODE OF PRESENTATION

- a) The Tenders should contain all particulars like the name and address of the Tenderer in their letter-head as mentioned in Technical Bid.
- b) The Price details must be quoted in the PRICE SCHEDULE only as per format given and incomplete details on the above will be treated as non-responsive offer, and the tender is liable for rejection.

- c) The Rates should be quoted for each item as per specifications given and it should be indicated clearly both in words and Figures. The tenderer with full signature should attest any scoring or overwriting. The rate quoted should not be subjected to any price variation clauses. If there is a variation between the quote in figures and in words, then the lower amount will be taken as the correct quote. Any confusion in the price bid will make it liable for rejection.
- d) Leaflets and specifications of quoted items should necessarily accompany the offer.
- e) No extra payment on account of labour/tool charges etc. will be paid.

6. OPENING OF TENDER AND EVALUATION THEREON

The tenders received up to 2.00 PM on the last day as mentioned in the Tender Notice will be opened by the committee at CBSE, H.Q building in the presence of such of those Tenderers or their representatives who choose to be present at the time of opening. Representatives who are attending the opening of the Tenders should bring a Letter of Authority from the Tenderer, whom they represent to identify their bonafides.

1. The Tenderers are advised to go through all the terms and conditions carefully. Reporting of any corrections or alteration, etc., after submitting the tender, will not be entertained.
2. The Secretary, CBSE reserves the right to accept the whole tender or any part thereof or reject all the tenders, if the interests of CBSE so require, without assigning any reasons whatsoever and to waive any minor discrepancy in the tenders received.
3. If the successful Tenderer fails to execute the agreement and / or deposit the required security Deposit within the time specified or withdraws the tender after intimation of the acceptance of the tender or fails to comply with the conditions above or owing to any other reason, tenderer is unable to execute the contract, the Earnest Money Deposit /Security amount deposited by tenderer, will be forfeited along with liability for all damages sustained by the CBSE by reasons of such breach including the liability to pay any difference between the rates accepted by tenderer and those ultimately paid by the CBSE for the Supply and Installation of 10 KVA On-line UPS System i.e. Notional loss suffered by the CBSE, such damages, shall be assessed by the Secretary, CBSE whose decision is final and the amount assessed is recoverable by proceeding under the suitable law

7. ACCEPTANCE OF TENDER

On receipt of the approval from the Competent Authority of the Board, the purchase order will be issued to the successful tenderer (lowest one) by the A.E (Civil), CBSE.

8. FORFEITURE OF EARNEST MONEY DEPOSIT

If the Successful Tenderer (referred as "Tenderer") fails to act according to the tender conditions or backs out after the tender has been accepted, the Earnest Money will be forfeited by CBSE.

9. RELEASE OF PURCHASE ORDER

- It is not binding on the part of Secretary, CBSE to accept the lowest or any other tender and the Secretary, CBSE reserves the right to reject or accept any tender fully or partly or retender without assigning any reason. The Secretary, CBSE reserves the right to accept and place the supply orders to the successful tender/ tenderer.
- The Secretary, CBSE also reserves the right to relax or waive any of the tender conditions and reject the tender if any one of the conditions enumerated above, is violated or the tenderer gives any counter condition.
- On receipt of the security deposit remittance as in the Tender Document, CBSE will release the formal purchase order to the Tenderer.

11. EXECUTION OF PURCHASE ORDER

The tenderer should nominate and intimate to CBSE his authorized representative specifically to handle the purchase order from CBSE and ensure that he fully familiarizes himself with the terms and conditions of the Tender Purchase Order and the Guidelines, and is responsible to effectively execute the Purchase Order complying with all the terms and conditions.

12. DELIVERY

- a) The item should be delivered to CBSE, H.Q building, 2, Community Centre, Preet Vihar, Delhi-110092. within 10 days from date of receipt of purchase order.
- b) The delivery schedule should be adhered to strictly. If the tenderer fails to complete the supply within the time stipulated, the order for the Supply and Installation of 10 KVA UPS System will be liable to be cancelled. In such a case, the Security Deposit will be forfeited.
- c) In order to take care of the situation arising out of the failure of the tenderer to supply as per the schedule and quality and norms, the orders placed with such tenderer will be cancelled with sufficient cause.
- d) Delivery of goods shall be made by the tenderer personally at CBSE, H.Q building, Preet Vihar, Delhi in accordance with the terms specified by CBSE.

14. PAYMENT TERMS

Payment will be made within 45 days after satisfactory supply/installation of the 10 KVA On-line UPS System.

15. PENALTY

In the event of failure of the successful tenderer to deliver the system within the stipulated time, without prejudice to other remedies under the contract a penalty equivalent to 1.0% (One Percent) of the value of delayed goods will be levied per week with a maximum of 5% of the contract value. If requested by the tenderer, it is the discretion of the Secretary CBSE, to grant extension of time with penalty/without penalty and to purchase the stock from any other source at the prevailing market rate at the risk and responsibility of the successful tenderer and to claim any loss sustained by CBSE in the transaction from the tenderer besides forfeiting Earnest Money Deposit and Security Deposit.

16. SAVING CLAUSE

- a) In case any doubt arises on interpretation or otherwise of any point in this tender document, CBSE shall be referred to for clarification.
- b) At any time after the issue of the tender documents and before the opening of the tender, the Tender Inviting Authority may make any changes, modifications or amendments to the tender documents by issuing an amendment/addendum/corrigendum/extension etc. to this tender shall be published in the CBSE website only. Prospective bidders are advised regularly visit the website www.cbse.nic.in to keep track of corrigendum/extension/addendum etc. if any.

17. SIGNATURE AND SEAL

The Tenderer must sign and affix their Seal in every page of the Tender Document and the complete Signed Original Tender. Documents must be submitted only in the respective covers.

I/We_____ have gone through the terms and conditions and will abide by them as laid down above.

Signature of authorized person

Date:

Name:

Place:

Seal:

SECTION -IV

TECHNICAL DETAILS (PART - I)

Name of the Tenderer : _____

Address : _____

Pin code No : _____

Tel. No. : _____

Mobile No. : _____

Fax No. : _____

Email : _____

Status of the Company : _____

(Pls. Tick mark as applicable) : Proprietor/Partnership/Company

Name of the Proprietor/Partners/ : _____

Directors of the company/firm _____

TECHNICAL DETAILS (PART - II)

Sl. No.	Description of the Company/Firm	Proof requires Yes/No	Page No.
1	Name of the firm		
2	PAN Card No.		
3	GST No.		
4	Annual turn Over (Rs. 50 Lakhs)		
5	List of Clients		
6	Work Experience For providing 10 year experience in the sale and maintenance (Attached documentary proof in support of claim)		
7	Total number of Engineers working in the organization		
8	Proof of having Service center at Delhi.		
9	Illustrated pamphlets containing all the Technical Details, Specification of the tendered item should be enclosed along with the tender.		
10	Whether EMD submitted or not		
11	Tender document cost should be enclosed along with technical bid in form of DD in case of downloaded from website		
12	Bidder should submit the AMC certificate		
	A declaration that the after sales service facilities as well as spare parts shall be made available at least for 5 years for each of the specific equipment / article quoted.		
	A declaration indicating willingness to provide AMC services at least for 5 years after the expiry of the warranty for each of the maintainable equipment quoted.		
13	Undertaking regarding black-listing by any department as per Annexure - IV		
14	This tender document, the bidders are requested to sign on all the pages.		

SECTION V

UNDERTAKING

I hereby undertake that the information provided above and elsewhere in the tender is true and the tender is liable to rejection if the same is found to be false or the information is found to have been suppressed by me.

Further, we agree to provide minimum of two year free servicing from the date of Supply and Installation of 10 KVA Online UPS System.

Place:

Date: (Signature with full name & Seal of the Tenderer)

Mob:

SECTION VI

EARNEST MONEY DEPOSIT PAYMENT PARTICULARS (Rs. 9,000/-)

I. Number of Demand Drafts enclosed:

II. Demand Draft particulars

Sl. No.	D.D. No.	Date	Name of the Bank/Branch and Place	Amount
1				
2				

I/We, hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.

Signature :

Name :

Designation :

Name of the Agency :

Address of the Tenderer :

Phone No.& Mob. No. :

Email Address :

Website address (if any) :

Date :

SECTION VII

TURN OVER DETAILS

As per the tender eligibility criteria, the sales turn-over should not be less than Rs.25 Lakhs (Rupees twenty five Lakhs only) per annum in the past two years. These turnover details will have to be substantiated with the appropriate documentary evidences duly enclosed.

The last two years sales turn-over details are furnished as follows.

Name of the Company / Firm:

Sl. No.	Financial Year	Turn Over (Rs. In Lakhs)
1.	2014-2015	
2.	2015-2016	

Proof of the above sales turn-over details should be furnished in the form of Audited Annual Accounts of the tenderer.

SECTION VIII

DECLARATION

I/We having our office as mentioned below and declare that I/we have never been blacklisted by any State Government/Central Government or any State/Central PSU.

Signature :

Name :

Designation :

Name of the Agency :

Address of the tenderer :

Date:

Place:

SECTION IX

MANUFACTURERS AUTHORIZATION FORM

Ref No :

Dated :

To,
The Secretary
Central Board of Secondary Education
2, Community Centre,
Preet Vihar,
Delhi-110092.

Reference: SITC of 10 KVA online UPS System with tabular batteries of one hours backup at CBSE, H.Q building, Preet Vihar, Delhi-110092.

Dear Sir,

We _____ the Manufacturers of _____
_____ having manufacturing unit at _____
_____ (Address of the factory)

do hereby authorize M/s. _____ (Name and Address of dealer) to submit a bid, and subsequently negotiate and sign the contract with you against the above tender.

We hereby extend our full guarantee, warranty and support and also in meeting warranty obligations by providing necessary spares in time for the goods & services offered by the above dealer against this tender.

Yours faithfully

(Name)

(Name of the manufacturer)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having a power of attorney to bind the manufacturer. The bidder in its bid should include it.

SECTION X

PRICE BID (PART - I)

To
The Secretary
Central Board of Secondary Education,
2, Community Centre,
Preet Vihar,
Delhi-110092.

I/We.....of.....

.....
.....

.....hereby contract and agree
on the acceptance of this tender by The CBSE for Supply and Installation of 10 KVA Online
UPS System in accordance with the terms and conditions of contract stated in the tender
document, the goods hereunder named of the quality and sort and at the rates or price
specified in Annexure.

Signature :

Name :

Designation :

Name of the Agency :

Address of the tenderer :

Date:

Place:

PRICE BID (PART - II)

Supply and Installation of 10 KVA Online UPS System with tubular batteries of One hour backup at CBSE, H.Q building, Preet Vihar, Delhi-110092.

Sl. No.	Description of Item	Unit	Qty.	Rate	Amount
1	10 KVA online UPS with DSP control based ON-LINE Double Conversion Technology, Three phase input and Three phase output, IGBT with PFC control technology, Isolation transformer only on input side	Each	1		
2	Battery bank for 60 Min back up along With interconnecting cables, cable from UPS to Battery Bank with battery stand with 48 months warranty and TWO year maintenance.	Each	1		
3	Installation & Commissioning charges				
			Total		

Sl. No.	Description of Item	Rate/ Per Annum
1.	Comprehensive AMC for UPS and batteries for a period of 3 years after warranty period.	
	Total	

Grand Total (A+B).....

Note * :

The above Total amount mentioned is inclusive of all tax and other charges

Date:

Name, signature & seal of the tenderer

SECTION – XI

**CERTIFICATE FOR THE DOCUMENTS DOWNLOADED FROM THE CBSE
WEBSITE.**

In case the tender document is downloaded from the web site a declaration in the following Performa has to be furnished.

“I(Authorized signatory) hereby declare that the tender document submitted has been downloaded from the website www.cbse.nic.in and no additional/deletion/correction has been made in the Performa downloaded. I also declare that I have enclosed a DD/Bankers Cheque No. Dated for Rs. Towards the cost of tender document along with technical bid”.

In case at any stage, it is found that the information given above is false / incorrect, CBSE shall have the absolute right to take any action as deemed fit/without any prior intimation.

**SIGNATURE OF THE
BIDDER WITH SEAL**