

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Quotation Notice – Procurement & SITC of Online UPS

Dated: 26/10/2015

Open Tender Reference: IITD/Work(SP-284)/2015

Indian Institute of Technology Delhi is in the process of purchasing following item(s) from reputed OEM or authorised dealer of OEM as per details as given as under.

Details of the item	Period of completion	Earnest Money Deposit
Procurement & Supplying, Installing, Testing and Commissioning of 2 x 160 KVA Online UPS in Parallel Redundant Architecture Mode in IIT Delhi	30 days	Rs.1,60,000.00 (Rupees One Lakh Sixty Thousand only) to be paid through RTGS / NEFT

Quotation Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <http://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.

Quotationers can access Quotation documents on the website (For searching in the NIC site, kindly go to Quotation Search option and type 'IIT'. Thereafter, Click on "GO" button to view all IIT Delhi Quotations). Select the appropriate Quotation and fill them with all relevant information and submit the completed Quotation document online on the website <http://eprocure.gov.in/eprocure/app> as per the schedule given in the next page.

No manual bids will be accepted. All quotations (both Technical and Financial should be submitted in the E-procurement portal).

Schedule

1	Name of Organisation	:	Indian Institute of Technology Delhi
2	Quotation Type [open / limited / EOI / auction / single]	:	Open
3	Quotation Category [services / goods / works]	:	Goods & Works
4	Type / Form of Contract [work / supply / auction / service / buy / empanelment / sell]	:	Work & Supply
5	Product Category [civil works / electrical works / fleet management / computer systems]	:	Electrical Works
6	Is Multi Currency Allowed?	:	No
7	Date of issue / publishing	:	26-10-2015 (17:00 HRS)
7	Document download start date	:	26-10-2015 (17:00 HRS)
8	Document download end date	:	26-11-2015 (16:00 HRS)
9	Date of pre-bid conference	:	16-11-2015 (16:00 HRS)
10	Venue of pre-bid conference	:	Room No. 116, Block VI, NRF, IIT Delhi
11	Last date & time of uploading of bids	:	26-11-2015 (16:00 HRS)
12	Date & time of opening of Technical Bids	:	30-11-2015 (15:00 HRS)
13	Quotation Fee [non-refundable]	:	Rs.1500.00 [one thousand five hundred only]
14	Earnest Money Deposit	:	Rs.1,60,000.00 (Rupees One Lakh Sixty Thousand only)
15	Mode of payment for EMD & Quotation fee	:	Through RTGS / NEFT IIT Delhi Bank Details are as under: Name of Bank A/C: IITD Revenue Account Bank Account: 10773572622 Name & address of bank: State Bank of India, IIT Delhi, Hauz Khas, New Delhi – 110016 IFSC Code: SBIN0001077 MICR Code: 110002156 Swift No.: SBININBB547 [This is mandatory that UTR number is provided in the on-line quotation / bid. Kindly refer to the UTR column of the declaration sheet at Annexure-II]
16	No. of bids	:	Two bids (Technical & Financial)
17	Bid validity period	:	90 days
18	EMD Exemption for NSIC Registration	:	Specific certificate to be attached showing EMD exempted for this particular product
19	Excise duty exemption	:	Excise duty exemption certificate will be issued against submission of relevant documents
20	Address for Communication	:	Executive Engineer (E), IIT Delhi, New Delhi – 110016
21	Contact No.	:	011 26591742
22	Email ID	:	a26984@admin.iitd.ac.in

Chairman
Purchase Finalisation Committee
IIT Delhi

Instructions for Online Bid Submission:

As per the directives of Department of Expenditure, this Quotation document has been published on the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

<http://eprocure.gov.in/eprocure/app>

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / e-Token.

SEARCHING FOR QUOTATION DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active Quotations by several parameters. These parameters could include Quotation ID, organization name, location, date, value, etc. There is also an option of advanced search for Quotations, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a Quotation published on the CPP Portal.
- 2) Once the bidders have selected the Quotations they are interested in, they may download the required documents / Quotation schedules. These Quotations can be moved to the respective 'My Quotations' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the Quotation document.
- 3) The bidder should make a note of the unique Quotation ID assigned to each Quotation, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the Quotation document before submitting their bids.

- 2) Please go through the Quotation advertisement and the Quotation document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the Quotation document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Quotation document.
- 3) Bidder has to select the payment option as "offline" to pay the Quotation fee / EMD as applicable and enter details of the instrument.
- 4) A standard BoQ format has been provided with the Quotation document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

OR

In some cases Financial Bids can be submitted in PDF format as well (in lieu of BOQ).

- 5) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 7) The uploaded Quotation documents become readable only after the Quotation opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the Quotation document and the terms and conditions contained therein should be addressed to the Quotation Inviting Authority for a Quotation or the relevant contact person indicated in the Quotation.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

General Instructions to the Bidders

- 1) The Quotations will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app> . Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
- 3) Quotationer are advised to follow the instructions provided in the 'Instructions to the Quotationer' for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app> .

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Hauz Khas, New Delhi -110 016

NOTICE INVITING QUOTATIONS

Subject: Procurement & Supplying, Installing, Testing and Commissioning of 2 x 160 KVA Online UPS in Parallel Redundant Architecture Mode in IIT Delhi

Invitation for Quotation Offers

Indian Institute of Technology Delhi invites online Bids (Technical bid and Commercial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer for “Procurement & Supplying, Installing, Testing and Commissioning of 2 x 160 KVA Online UPS in Parallel Redundant Architecture Mode in IIT Delhi” with three years on site comprehensive warranty [for batteries not less than two years] from the date of receipt of the material as per terms & conditions specified in the Quotation document, which is available on CPP Portal <http://eprocure.gov.in/eprocure/app>

TECHNICAL SPECIFICATION:

A	POWER	
1	Output apparent power	: 160 KVA
2	Topology	: True On-line Double Conversion [VFI-SS-III]
B	INPUT	
1	Nominal primary mains input voltage / voltage range	: 340 to 460 V, TP + N
2	Nominal bypass input voltage / voltage tolerance	: 400 ± 10% [380/400/415 V TP + N settable]
3	Nominal input frequency / frequency tolerance [Hz]	: 45 – 65
4	Input current distortion [THDi]	: < 3%
5	Input power factor	: >0.99
6	Walk in / soft start [seconds]	: 0 to 100 in 90 seconds
C	OUTPUT	
1	Nominal output voltage	: 400 [380 / 415 V selectable] TP + N
2	Output voltage stability by load variation 0 – 100%	
a.	Static regulation	: ± 1%
b.	Dynamic regulation	: ± 5%
3	Nominal output frequency	: 50 Hz
4	Waveform	: Sinusoidal
5	THD of output voltage	: < 1.5% for 100% linear load < 3% for 100% non-linear load
6	Crest factor	: 3:1
7	Inverter overload capacity	: 125% for 10 min, 150% for 1 minute
8	Compatibility with loads	: Any power factor [either lagging or leading] up to 1 without output derating
D	GENERAL	
1	Operating temperature	: 0 – 40 deg. C
2	Relative humidity	: 95% non-condensing
3	Protection level	: IP 20
4	Overall efficiency	: Not less than 93% from 25% to 100% loading
5	Safety	: IEC 62040-1-1

6	EMC	:	IEC 62040-2
7	Marking	:	CE
8	Communication options	:	Inbuilt RS 232 ports for remote contacts Should have card for Communication interface for SNMP & BMS
9	The UPS system should have IGBT based inverter & rectifier both with inbuilt galvanic isolation transformer manufactured by the same UPS manufacturer or any reputed make and should be inbuilt at the original source factory. The isolation transformer preferably be ZIG-ZAG type.		
10	The system should have power diagnostics system based on IRIS [intelligent remote information system]. The intelligent energy management system must be there on the operating mode to ensure the capability to optimise & increase system efficiency.		
11	UPS should be capable of automatic transfer to bypass in case of short circuits, overload and inverter failure		
12	UPS should have alarms for main power failure, low batteries, overload, high temperature and any unwanted problem		
13	UPS should have suitable display for input / output parameters		
14	UPS should have protection against overload, short circuit [$>$ two times of normal current] over temperature and battery failure		
15	Back up time: 15 minutes at rated load [160 KVA] upto unity power factor.		
16	Total KWH of batteries should not be less than 40. KWH shall be calculated as per following way: KWH = [12 volt x AH of battery to be supplied x total no. of batteries in a bank x back up time in hours (0.25 hours)] divided by [1000 x Inverter efficiency x Depth of discharge (0.8)]		
17	Mode of connection for two UPS: In Parallel Redundant Architecture		

Terms & Conditions

Sl.No.	Specification
1.	Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format. The Technical bid and the financial bid should be submitted Online.
2.	EMD (if applicable): The bidder should submit an EMD amount through RTGS/NEFT. The Technical Bid without EMD would be considered as UNRESPONSIVE and will not be accepted. The EMD will be refunded without any interest to the unsuccessful bidders after the award of contract. Refer to Schedule (at page 2 of this document) for its actual place of submission.
3.	Refund of EMD: The EMD will be returned to unsuccessful Tenderer only after the Tenders are finalized. In case of successful Tenderer, it will be retained till the successful and complete installation of the equipment.
4.	Opening of the tender: The online bid will be opened by a committee duly constituted for this purpose. Online bids (complete in all respect) received along with EMD (if any) will be opened as mentioned at "Annexure: Schedule" in presence of bidders representative if available. Only one representative will be allowed to participate in the tender opening. Bid received without EMD (if present) will be rejected straight way. The technical bid will be opened online first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification, and will be opened in the presence of the vendor's representatives subsequently for further evaluation. The bidders if interested may participate on the tender opening Date and Time. The bidder should produce authorization letter from their company to participate in the tender opening.
5.	Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.
6.	<p>Eligibility criteria:</p> <p>[i] Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the Quotation should be enclosed.</p> <p>[ii] An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology / product updates and extend support for the warranty as well, in case of authorised dealer.</p> <p>[iii] Non-compliance of Quotation terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid. [Ref Annexure – I & II]</p> <p>[iv] The bidder should have successfully completed at least one similar type of supply including installation, testing & commissioning of value not less than Rs.64,00,000.00 or two similar types each of value not less than Rs.48,00,000.00 or three similar types each of value not less than Rs.32,00,000.00</p> <p>with some Central Government Department / State Government Department / Central Autonomous Body / State Autonomous Body / Central Public Sector Undertaking / State Public Sector Undertaking / City Development Authority / Municipal Corporation of city formed under Act by Central / State Government and published in Central / State Gazette during the last 7 years ending last day of the month previous to the one in which applications are invited. [Ref Annexure – III]</p> <p>[v] The average annual turnover shall not be less than Rs.80,00,000.00 during the immediate last three consecutive financial years, viz. 2014-15, 2013-14 & 2012-13 [Certificate of CA to be attached; Voluminous P & L account need not be submitted]</p> <p>[vi] The bidder should possess latest solvency certificate from a nationalised or scheduled bank for an</p>

	<p>amount not less than Rs.32,00,000.00</p> <p>[vi] The bidder should possess Certificate of registration for Sales Tax / VAT / acknowledgement of up to date filed Return</p>
7.	<p>Performance Security: The supplier shall require to submit the performance security in the form of irrevocable bank guarantee issued by any Indian Nationalized Bank [proforma attached] for an amount which is equal to the 5% of FOB value within 21 days from the date of receipt of the purchase order/LC and should be kept valid for a period of 60 days beyond the date of completion of warranty period.</p>
8.	<p>Force Majeure: The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p> <ul style="list-style-type: none"> ● For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes. ● If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
9.	<p>Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.</p>
10.	<p>Packing Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following:</p> <ol style="list-style-type: none"> i. Item Nomenclature ii. Order/Contract No. iii. Country of Origin of Goods iv. Supplier's Name and Address v. Consignee details vi. Packing list reference number
11.	<p>Delivery and Documents:</p> <p>Delivery of the goods and its installation, testing and commissioning should be made within a maximum of 30 days from the date of placement of purchase order and the opening of LC. Within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by cable/telex/fax/e mail the full details of the shipment including contract number, railway receipt number/ AAP etc. and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:</p> <ol style="list-style-type: none"> 1. 4 Copies of the Supplier invoice showing contract number, goods' description, quantity 2. unit price, total amount; 3. Insurance Certificate if applicable; 4. Manufacturer's/Supplier's warranty certificate; 5. Inspection Certificate issued by the nominated inspection agency, if any 6. Supplier's factory inspection report; and 7. Certificate of Origin (if possible by the beneficiary); 8. Two copies of the packing list identifying the contents of each package. 9. The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.
12.	<p>Delayed delivery: If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty 1% per week and the maximum deduction is 10% of the contract value / price.</p>
13.	<p>Prices: The price quoted by the Quotationer shall be firm and inclusive of all taxes [including works contract tax, VAT, labour cess & service tax], duties, levies, octroi etc. and all charges for packing, forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site including risks, overhead</p>

	charges, general liabilities / obligations etc.
14.	<p>Notices: For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.</p> <p>Purchaser: Assistant Executive Engineer [Electrical] Plg. Indian Institute of Technology Delhi Hauz Khas, New Delhi - 110016.</p> <p>Supplier: (To be filled in by the supplier) (All supplier's should submit its supplies information as per Annexure-II).</p> <p>_____</p> <p>_____</p>
15.	<p>Progress of Supply: Wherever applicable, supplier shall regularly intimate progress of supply, in writing, to the Purchaser as under:</p> <ol style="list-style-type: none"> 1. Quantity offered for inspection and date; 2. Quantity accepted/rejected by inspecting agency and date; 3. Quantity dispatched/delivered to consignees and date; 4. Quantity where incidental services have been satisfactorily completed with date; 5. Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date; 6. Date of completion of entire Contract including incidental services, if any; and 7. Date of receipt of entire payments under the Contract (In case of stage-wise inspection, details required may also be specified).
16.	<p>Inspection and Tests: Inspection and tests prior to shipment of Goods and at final acceptance are as follows:</p> <ul style="list-style-type: none"> • After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications attached to the purchase order. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser shall be present at the supplier's premises during such inspection and testing if need is felt. The location where the inspection is required to be conducted should be clearly indicated. The supplier shall inform the purchaser about the site preparation, if any, needed for installation of the goods at the purchaser's site at the time of submission of order acceptance. • The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation and ascertaining conformity with the ordered specifications and quality. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified. • In the event of the ordered item failing to pass the acceptance test, a period not exceeding one weeks will be given to rectify the defects and clear the acceptance test, failing which the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser. • Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier.
17.	<p>Resolution of Disputes: The dispute resolution mechanism to be applied pursuant shall be as follows:</p> <ul style="list-style-type: none"> • In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, Indian Institute of Technology (IIT) Delhi and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order. • The venue of the arbitration shall be the place from where the order is issued.
18.	<p>Applicable Law: The place of jurisdiction would be New Delhi (Delhi) INDIA.</p>

19.	Right to Use Defective Goods If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.
20.	Supplier Integrity The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.
21.	Training The Supplier is required to provide training on training to the designated Purchaser's technical and end user personnel to enable them to effectively operate the total equipment.
22.	Installation & Demonstration The supplier is required to do the installation and demonstration of the equipment within one month of the arrival of materials at the IITD site of installation, otherwise the penalty clause will be the same as per the supply of materials.
23.	Insurance: For delivery of goods at the purchaser's premises, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning.
24.	Incidental services: The incidental services also include: <ul style="list-style-type: none"> ● Furnishing of 01 set of detailed operations & maintenance manual. ● Arranging the shifting/moving of the item to their location of final installation within IITD premises at the cost of Supplier through their Indian representatives.
25.	Warranty: 1. Warranty period shall be 36 months for UPS and 24 months for batteries from date of installation of Goods at the IITD site of installation. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests. The warranty should be comprehensive on site. Note: <u>If a different period of warranty has been specified in the 'Technical Specifications' then the period mentioned above shall stand modified to that extent.</u> 2. The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall immediately within in 02 days arrange to repair or replace the defective goods or parts thereof free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. The period for correction of defects in the warranty period is 02 days. If the supplier having been notified fails to remedy the defects within 02 days, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expenses and without prejudice to any other rights, which the purchaser may have against the supplier under the contract.
26.	Governing Language The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.
27.	Applicable Law The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction.
28.	Notices <ul style="list-style-type: none"> ● Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX or e mail and confirmed in writing to the other party's address. ● A notice shall be effective when delivered or on the notice's effective date, whichever is later.
29.	Taxes and Duties

	Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.
30.	Payment: 100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at IITD in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 7 of Quotation terms and conditions.
31.	User list: Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.
32.	<p>Manuals and Drawings</p> <ul style="list-style-type: none"> ● Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications. ● The Manuals shall be in the ruling language (English) in such form and numbers as stated in the contract. ● Unless and otherwise agreed, the goods equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Purchaser.
33.	Application Specialist: The Quotationer should mention in the Techno-Commercial bid the availability and names of Application Specialist and Service Engineers in the nearest regional office.
34.	<p>Site Preparation: The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.</p> <p>The supplier shall visit the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.</p>
35.	Installation: The equipment or machinery has to be installed or commissioned by the successful bidder within 30 days from the date of receipt of the item at IITD. In case of any mishappening /damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. IITD will not be liable to any type of losses in any form.
36.	<p>Spare Parts</p> <p>The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ol style="list-style-type: none"> i. Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and ii. In the event of termination of production of the spare parts: iii. Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and iv. Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested. <p>Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.</p>
37.	Defective Equipment: If any of the equipment supplied by the Quotationer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Quotationer with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above

	item as per above terms & conditions, IIT Delhi may consider "Banning" the supplier.
38.	<p>Termination for Default The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:</p> <ol style="list-style-type: none"> i. If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the order, or within any extension thereof granted by the Purchaser; or ii If the Supplier fails to perform any other obligation(s) under the Contract. iii If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract. <ul style="list-style-type: none"> ● For the purpose of this Clause: <ol style="list-style-type: none"> i. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. ii. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;" ● In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.
39.	<p>Warranty/Guarantee: The warranty period should be clearly mentioned. The Quotation must be quoted with three (03) years on-site comprehensive warranty/guarantee for UPS which will commence from the date of the satisfactory installation/commissioning of the equipment against the defect of any manufacturing, workmanship and poor quality of the components. After the warranty period is over, Annual Maintenance Contract (AMC)/Comprehensive Maintenance Contract (CMC) up to next two years should be started. The AMC/CMC charges will not be included in computing the total cost of the equipment.</p>
40.	<p>Downtime: During the warranty period, not more than 5% downtime will be permissible. For every day exceeding permissible downtime, penalty of 1/365 of the 5% FOB value will be imposed. Downtime will be counted from the date and time of the filing of complaint with in the business hours.</p>
41.	<p>Training of Personnel: The supplier shall be required to undertake to provide the technical training to the personnel involved in the use of the equipment at the Institute premises, immediately after completing the installation of the equipment for a minimum period of one week at the supplier's cost.</p>
42.	<p>Disputes and Jurisdiction: Any legal disputes arising out of any breach of contract pertaining to this Quotation shall be settled in the court of competent jurisdiction located within New Delhi.</p>
43.	<p>Compliancy certificate: This certificate must be provided indicating conformity to the technical specifications.</p>
44.	<p>Acknowledgement: It is hereby acknowledged that we have gone through all the conditions mentioned above and we agree to abide by them.</p>
45.	<p>EMD Exemption for NSIC Registration: Specific certificate to be attached by the bidder showing EMD exempted for this particular product.</p>
46.	<p>Excise Duty Exemption: Excise duty exemption certificate will be issued against submission of relevant documents.</p>

COMPLIANCE SHEET

Technical Details

[To be filled in by the bidders]

	SPECIFICATION		COMPLIANCE [Yes / No / specify]
A	POWER		
1	Output apparent power	: 160 KVA	
2	Topology	: True On-line Double Conversion [VFI-SS-III]	
B	INPUT		
1	Nominal primary mains input voltage / voltage range	: 340 to 460 V, TP + N	
2	Nominal bypass input voltage / voltage tolerance	: 400 ± 10% [380/400/415 V TP + N settable]	
3	Nominal input frequency / frequency tolerance [Hz]	: 45 – 65	
4	Input current distortion [THDi]	: < 3%	
5	Input power factor	: >0.99	
6	Walk in / soft start [seconds]	: 0 to 100 in 90 seconds	
C	OUTPUT		
1	Nominal output voltage	: 400 [380 / 415 V selectable] TP + N	
2	Output voltage stability by load variation 0 – 100%		
a.	Static regulation	: ± 1%	
b.	Dynamic regulation	: ± 5%	
3	Nominal output frequency	: 50 Hz	
4	Waveform	: Sinusoidal	
5	THD of output voltage	: < 1.5% for 100% linear load < 3% for 100% non-linear load	
6	Crest factor	: 3:1	
7	Inverter overload capacity	: 125% for 10 in, 150% for 1 minute	
8	Compatibility with loads	: Any power factor [either lagging or leading] up to 1 without output derating	
D	GENERAL		
1	Operating temperature	: 0 – 40 deg. C	
2	Relative humidity	: 95% non-condensing	
3	Protection level	: IP 20	
4	Overall efficiency	: Not less than 93% from 25% to 100% loading	
5	Safety	: IEC 62040-1-1	
6	EMC	: IEC 62040-2	

7	Marking	:	CE	
8	Communication options	:	Inbuilt RS 232 ports for remote contacts Should have card for Communication interface for SNMP & BMS	
9	The UPS system should have IGBT based inverter & rectifier both with inbuilt galvanic isolation transformer manufactured by the same UPS manufacturer or any reputed make and should be inbuilt at the original source factory. The isolation transformer preferably be ZIG-ZAG type.			
10	The system should have power diagnostics system based on IRIS [intelligent remote information system]. The intelligent energy management system must be there on the operating mode to ensure the capability to optimise & increase system efficiency.			
11	UPS should be capable of automatic transfer to bypass in case of short circuits, overload and inverter failure			
12	UPS should have alarms for main power failure, low batteries, overload, high temperature and any unwanted problem			
13	UPS should have suitable display for input / output parameters			
14	UPS should have protection against overload, short circuit [> two times of normal current] over temperature and battery failure			
15	Back up time: 15 minutes at rated load [160 KVA] up to unity power factor			
16	Total KWH of batteries should be not less than 40. KWH shall be calculated as per following way: KWH = [12 volt x AH of battery to be supplied x total no. of batteries in a bank x back up time in hours (0.25 hours)] divided by [1000 x Inverter efficiency x Depth of discharge (0.8)]			
17	Specify Calculated KWH			
18	Specify make of UPS			
19	Specify make of isolation transformer & type of winding connection			
20	Specify make of battery			
21	Specify AH of battery			
22	Specify no. of batteries			

N.B. :- The bidder must attach [upload] original brochures in support of claim

Signature of the contractor _____

Name of the firm _____

Seal of the firm _____

[To be furnished on bidder's Letter Head]

DECLARATION

1. I / We, _____ hereby certify that all the information and data furnished by our organization with regard to this Quotation Specification are true and complete to the best of our knowledge. I / we have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.
2. I / we understand that the pre-qualification bid containing false and / or inadequate information are liable to rejection.
3. I / we understand that the pre-qualification document without sufficient documentary proof for the data are liable for rejection
4. I / we hereby certify that the details given above are correct to the best of my / our knowledge. I / we have no objection for IIT Delhi in contacting our clients / Bankers for reference.
5. I / we certify that our organization has not been Black Listed / De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.
6. I / we, further certify that our organization meets all the conditions of eligibility criteria laid down in this Quotation document.
7. I / we certify that our organization has been authorized (Copy attached) by the OEM to participate in Quotation [strike out if not applicable].

The prices quoted in the financial bids are subsidized due to academic discount given to IIT Delhi.

NAME & FULL COMMUNICATION ADDRESS OF THE BIDDER	
Phone	
Fax	
E-mail	
Contact Person Name	
Mobile Number	
TIN Number	
PAN Number	
UTR No. [for tender fee]	
UTR No. [for EMD]	

(Signature of the bidder)

Name :

Seal of the company

Details of similar work carried out by the bidder

CERTIFICATE TO BE ATTACHED IN SUPPORT OF PROOF [Certificate to be issued by not below the rank of Executive Engineer]							
Sl. No.	Name of work	Client Reference	Value of Work	Time of Completion	Date of award	Date of completion	Performance

Signature of Bidder
Name:

Seal of the Company

PROFORMA OF BANK GUARANTEE

(On non-judicial paper of appropriate value)

To
Indian Institute of Technology Delhi (IITD),
New Delhi -110016 India
BANKS GUARANTEE NO:
DATE:

Dear Sir(s),

This has reference to the Purchase Order No. _____ Dated _____ been placed by Indian Institute of Technology (IIT), Delhi – , India on M/s _____ (Name & Address of vendor) for supply, installation, commissioning and warranty of _____ (description of items) at client's site. The conditions of this order provide that the vendor shall,

1. Arrange to deliver the items listed in the said order to the consignee, as per details given in said order, and
2. Arrange to install and commission the items listed in said order at client's site, to the entire satisfaction of IIT Delhi and
3. Arrange for the comprehensive warranty service support towards the items supplied by vendor on site in IIT Delhi as per the warranty clause in said purchase order.

M/s (Name of Vendor) has accepted the said purchase order with the terms and conditions stipulated therein and have agreed to issue the performance bank guarantee on their part, towards promises and assurance of their contractual obligations vide the Supply Order No. _____ M/s. _____ (name of vendor) holds an account with us and has approached us and at their request and in consideration of the promises, we hereby furnish such guarantees as mentioned hereinafter. IIT Delhi shall be at liberty without reference to the Bank and without affecting the full liability of the Bank hereunder to take any other undertaking of security in respect of the suppliers obligations and / or liabilities under or in connection with the said contract or to vary the terms vis-a – vis the supplier or the said contract or to grant time and or indulgence to the supplier or to reduce or to increase or otherwise vary the prices or the total contract value or to forebear from enforcement of all or any of the obligations of the supplier under the said contract and/or the remedies of IIT Delhi under any security (ies) now, or hereafter held by IIT Delhi and no such dealing(s) with the supplier or release or forbearance whatsoever shall have the effect of releasing the bank from its full liability of IIT Delhi hereunder or of prejudicing right of IIT Delhi against the bank.

This undertaking guarantee shall be a continuing undertaking guarantee and shall remain valid and irrevocable for all claims of IIT Delhi and liabilities of the supplier arising up to and until _____ (date).

This undertaking guarantee shall be in addition to any other undertaking or guarantee or security whatsoever that IIT Delhi may now or at any time have in relation to its claims or the supplier's obligations/liabilities under and / or in connection with the said contract and IIT Delhi shall have the full authority to take recourse to or enforce this undertaking guarantee in preference to the other undertaking or security (ies) at its sole discretion and no failure on the part of IIT Delhi in enforcing or requiring enforcement of any other undertaking or security shall have the effect of releasing the bank from its full liability hereunder.

We _____ (Name of Bank) hereby agree and irrevocably undertake and promise that if in your (IIT Delhi) opinion any default is made by M/s _____ (Name of Vendor) in performing any of the terms and /or conditions of the agreement or if in your opinion they commit any breach of the contract or there is any demand by you against M/s _____ (Name of Vendor), then on notice to us by you, we shall on demand and without demur and without reference to M/s _____ (Name of Vendor), pay you, in any manner in which you may direct, the amount of Rs. _____/- (Rupees _____ Only) or such portion thereof as may be demanded by you not exceeding the said sum and as you may from time to time require. Our liability to pay is not dependent or conditional on your proceeding against M/s _____

(Name of Vendor) and we shall be liable & obligated to pay the aforesaid amount as and when demanded by you merely on an intimation being given by you and even before any legal proceedings, if any, are taken against M/s _____ (Name of Vendor).

The Bank hereby waives all rights at any time inconsistent with the terms of this undertaking guarantee and the obligations of the bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or disputes having been raised by the supplier (whether or not pending before any arbitrator, Tribunal or Court) or any denial of liability by the supplier or any order or any order or communication whatsoever by the supplier stopping or preventing or purporting to stop or prevent payment by the Bank to IIT Delhi hereunder.

The amount stated in any notice of demand addressed by IIT Delhi to the Bank as claimed by IIT Delhi from the supplier or as suffered or incurred by IIT Delhi on the account of any losses or damages or costs, charges and/or expenses shall as between the Bank and IIT Delhi be conclusive of the amount so claimed or liable to be paid to IIT Delhi or suffered or incurred by IIT Delhi, as the case may be and payable by the Bank to IIT Delhi in terms hereof.

You (IIT Delhi's) shall full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contact with the said M/s _____ (Name of Vendor) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s _____ (name of Vendor) which under law relating to the sureties would but for the provisions have the effect of releasing us.

You will have full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s _____ (Name of Vendor) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s _____ (Name of Vendor) which under law relating to the sureties would but for the provisions have the effect of releasing us.

Your right to recover the said sum of Rs. _____/- (Rupees _____ only) from us in manner aforesaid will not be affected/ or suspended by reason of the fact that any dispute or disputes have been raised they said M/s _____ (Name of Vendor) and/ or that any dispute or disputes are pending before any officer, tribunal or court or Arbitrator.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the said M/s _____ (Name of Vendor) but shall in all respects and for all purposes be binding and operative until payment of all dues to IIT Delhi in respect of such liability or liabilities.

Our liability under this guarantee is restricted to Rs. _____/- (Rupees _____ Only). Our guarantee shall remain in force until unless a suit action to enforce a claim under guarantee is filed against us within six months from (which is date of expiry of guarantee) all your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

We have power to issue this guarantee in your favour under Memorandum and Articles of Association of our Bank and the undersigned has full power to do under the power of Attorney dated.

Notwithstanding anything contained herein:

A. Our liability under this guarantee shall not exceed Rs _____ (in words)

B. This bank guarantee shall be valid up to _____ & unless a suit for action to enforce a claim under guarantee is filed against us within six months from the date of expiry of guarantee. All your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there after i.e. after six months from the date of expiry of this Bank guarantee.

C. We are liable to pay the guaranteed amount or any parts thereof under this bank guarantee only and only if you serve upon us a written claim or demand or before _____

D. The Bank guarantee will expire on _____

Granted by the Bank

Yours faithfully,

For (Name of Bank)

SEAL OF THE BANK

Authorised Signatory

BID SUBMISSION CHECK LIST

Online Bid Submission:

Only desired documents (complete in all respect) must be uploaded online duly signed by the bidder in **Two** Parts as explained below:

Part – 1 (Following documents to be provided as single PDF file)			
Sl. No.	Documents	Content	File Types
1	Technical Bid	Undertaking from OEM in case of authorised dealer [as desired at Col. 6 (ii) Terms & Conditions]	.PDF
2		Compliance Sheet as per Annexure – I	.PDF
3		Organization's Declaration as per Annexure - II	.PDF
4		Work Experience Certificate as desired at Col. 6 (iii) [Terms & Conditions] as per Annexure – III	.PDF
5		Turn Over Certificate issued by Chartered Accountant [as desired at Col. 6 (iv) Terms & Conditions]	.PDF
6		Solvency Certificate from nationalised / schedule bank [as desired at Col. 6 (v) Terms & Conditions]	.PDF
7		Certificate of Registration for VAT / Sales Tax up to date filed return	.PDF
Part – 2			
Sl. No.	TYPES	Content	File Types
1.	Financial Bid	Price bid should be submitted in PDF.	.PDF

PRICE BID

FOR

Procurement & Supplying, Installing, Testing and Commissioning of 2 x 160
KVA Online UPS in Parallel Redundant Architecture Mode in IIT Delhi

IITD / WORKS / EE / PC / 1667/2015-16

COST SCHEDULE FOR THE SUPPLY & WORK

Item No.	Description of Items	Qty.	Unit	Rate [Rs.]	Amount [Rs.]
1	Supply of 2 [two] X 160 KVA UPS having True On-line Double Conversion DSP PWM with IGBT Rectifier and IGBT inverter, in Redundant Parallel Architecture mode (load sharing basis), inbuilt isolation transformers, inter-connecting cables, copper earth conductors etc. as per detailed specifications.	1 set	set		
2	Supply of two separate battery bank for 15 minutes backup for 160 KVA load at 0.9 Power factor [total KWH must be 40 for each bank] as specified including battery circuit breaker, M.S. battery rack of suitable size , interconnecting copper cable of suitable sizes <i>from battery to battery, from UPS to Battery Bank, Incomer Panel to UPS, UPS to Distribution Panel</i> and all other materials as required, painting the rack etc. as per specifications.	1	set		
3	Installation, Testing and commissioning of complete set i.e. UPS in RPA mode, Battery bank etc. complete as required.	1	Job		
	TOTAL [Rs.]				