



RABINDRA BHARATI UNIVERSITY

56A, B.T. Road, Kolkata – 700050.

Ref. No.: IS/RBU/131/12/2016

Date: 08/12/2016

Notice Inviting Tender

Sealed quotations are invited from manufacturers, reputed, bonafide, and financially sound agencies having capacities to execute the following work.

S. No.	Name of Work	Period of Completion	Concerned Departments
1.	Supply, installation, configuration and commissioning of Rack and iPDU with buy-back of existing rack	30 DAYS	Office of Information Scientist

Date and Time Schedule:

S. No.	Particulars	Date & Time
1	Date of publishing N.I.T. & other Documents	08/12/2016 from 11 AM
2	Documents download start date (Online)	08/12/2016 from 11 AM
3	Documents download end date (Online)	16/12/2016 till 2 PM
4	Bid submission start date	08/12/2016 from 11 AM
5	Bid Submission closing date	16/12/2016 upto 2 PM
6	Documents submission end date	16/12/2016 upto 2 PM

Finance Officer



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I. Invitation of Tender and Terms & Conditions:

1. Intending bidder may download the tender document from the University website <http://www.rbu.ac.in> directly. Tender Documents may be downloaded from University website & submission of Bids is to follow the stipulated date & Time Schedule mentioned in this NIT. The documents submitted by the Bidders should be properly indexed & notarized with seal. Original certificate / order copies / other document as required shall have to be produced on demand during evaluation.
2. **Location of Works:** Rabindra Bharati University, Kolkata
3. **Time of completion:** Time of completion of the work is **30 DAYS**.
4. **Bid preparation and submission costs:** The bidder shall bear all costs associated with the preparation and submission of the bid and Rabindra Bharati University will in no case be held responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
5. **Language of Proposals:** The bids and all correspondence and documents shall be written in English.
6. **Amendment of Bidding Documents:** At any time before the deadline for submission of bids, Rabindra Bharati University, for any reason, whether at its own initiative or in response to a clarification requested by a Bidder, modify the bidding document by amendment. All prospective Bidders shall be notified of the amendment through the University website (www.rbu.ac.in) and all such amendments shall be binding on them. If required, in order to allow Bidders reasonable time in which to take the amendment into account in preparing their bids, Rabindra Bharati University reserves the rights to extend the deadline for the submission of bids and the same shall be notified on the University website.
7. **Disqualification:** Rabindra Bharati University reserves the right to reject bids in the following cases:
 - a. The Bids which are received after due date and time.
 - b. Bids not accompanied by all requisite documents along with the Tender Fees and Earnest Money Deposit (EMD), if any, by Demand Draft / Pay Order.
 - c. If **Manufacturer's authorization** specific to this tender is not submitted.
 - d. If the Bid Documents are not signed by the authorized signatory of the bidder on each page and submitted.
 - e. If the Bidder does not submit technical details, architecture, components/modules/sensors etc. of the items.
 - f. Information submitted by the Bidder is found to be misrepresented, incorrect or false.
 - g. Bids not substantially responsive and not submitted in accordance with the required formats.
 - h. If the bidder submits partial bid or does not quote the buy-back price of existing rack.
 - i. If the bidder increases the quoted prices during the validity of the bid or its extended period, if any.
 - j. If the bidder submits the bid specifying its own terms and conditions.
 - k. If any column/space meant for being filled up is left blank by the bidder.
 - l. Bidder fails to deposit the Security Deposit (SD) or fails to enter into a contract within the stipulated period from the date of notice of award of contract or within such extended period, as may be specified by Rabindra Bharati University.
 - m. Bidders may specifically note that while evaluating the bids, if it comes to Rabindra Bharati University's knowledge, expressly or implied, that some bidders may have colluded in any manner whatsoever or otherwise joined to form an alliance resulting in delaying the processing of bids, then the bidders so involved are liable to be disqualified



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for this contract as well as for a further period of two or more years from participation in any of the tenders invited by Rabindra Bharati University.

8. **Eligibility for participating in the Tender:** Permission of participating in the tender will be given only to those fulfilling the following eligibility criteria:

- i. Only reputed companies dealing with the business of Racks and iPDUs will be allowed to participate in the tender process. Relevant documents (like Trade license, etc.) in support of the same must be furnished. No Intermediate General Supplier will be allowed.
- ii. Bidder has to comply fully with the Technical Specification as provided in the Tender Document. Conditional bid will be summarily rejected.
- iii. The **organizations which are blacklisted** by any reputed organization, PSU, University or Government organization or any OEM of the products proposed in this tender are strictly forbidden from participating in this tender process. Bids submitted by any such blacklisted organisation, if found at any point of time in this tender process, will be summarily rejected. If any such blacklisted organisation is found after award of purchase order, then the purchase order will be cancelled and the earnest money deposit and/or security deposit and/or the bank guarantee will be forfeited to RABINDRA BHARATI UNIVERSITY. **An ink-signed declaration letter regarding this in the bidder's letter head should be submitted with the Bid.**
- iv. Bidder should submit **manufacturer's authorization** specific to this tender.
- v. Bidder should be in business of supply, installation, configuration and commissioning of Racks and iPDUs in India for last **FIVE YEARS**.
- vi. Bidders should have its service support office in Kolkata for at least last **FIVE YEARS**.
- vii. The bidder should have at least **FIVE YEARS** experience in supply, installation, configuration and commissioning of Racks and iPDUs in renowned Indian organizations preferably universities and government organizations. Supporting documents in claim of experience be enclosed.
- viii. Bidders should submit the Client List and Letters of Satisfactory Performance from existing and previous clients from Central/State Government Universities, Central Government Institutes (like IIT, IIM, ISI, etc.) or Government Organizations in India or renowned Indian organizations.
- ix. The bidder bidding for only some part (items) of the BOQ will be rejected.
- x. The Data sheets / Cross reference documents and technical documents of proposed products must be submitted.
- xi. The bidder should have credential in the field of supply, installation, configuration and commissioning of Racks and iPDUs fulfilling the following criteria.
 - a) Intending bidders should produce credentials of 2(two) similar nature of completed work in any university, PSU, Central or State Government (India) Organization or renowned Indian organizations, each of the minimum value of **Rs.4,00,000/-** during last **3 (three) years** prior to the date of issue of the tender notice;
- xii. Completion/satisfactory certificate and purchase order from bidder's clients produced as credential should clearly indicate the description of works, value of contract, executed work value, date of award, actual date of completion etc. and name, address, telephone no. of the client.
- xiii. The Bidder should have Annual Turnover not less than **1 Crore** during each of the last 3 (three) years (i.e., 2013-2014, 2014-2015 and 2015-2016).
- xiv. No Joint Venture shall be allowed.



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- xv. The bidder should be a registered company / firm.
 - xvi. The Bidder should have a valid Trade License, Professional Tax Challan, PAN Card, W.B. VAT Registration Certificate, Service Tax & TIN documents.
 - xvii. Moreover, the tender inviting authority reserves the right to relax the eligibility criteria of the applicant if it is deemed to be necessary for fair & competitive tender without assigning any reason whatsoever.
9. The intending bidder fulfilling the above requirement should bid for the work included in the Bid notice with all related documents. The tender inviting authority reserves the rights to accept or reject their offered bid as deemed necessary to finalize the tenders satisfactorily without assigning any reason whatsoever.
 10. Selection of eligible bidder will be made strictly on the basis of scrutiny and evaluation of the particular as to be furnished at the time of bidding. Decision of the tender inviting authority in this regard shall be final & binding.
 11. Bidders have to comply fully with the material, item, software and service specifications mentioned in the Tender Document and failing to this will lead to the rejection of the Bid. No deviations in any specifications shall be entertained.
 - 12. It is mandatory to quote for all the items mentioned in the BOQ.**
 13. Quantities mentioned in the BOM/BOQ will be considered for comparison of offers submitted by the bidders, however, the quantities may vary or items may be excluded in the Purchase Order(s).
 14. Prices should be quoted in Indian Rupee inclusive of all taxes, packing, freight charges, delivery & installation at E.B. Campus, 56A, B.T. Road, Kolkata – 700050 of the university.
 15. It is not necessary that the bidder quoting the lowest bid will be awarded the purchase order. The decision of the university will be final in this regard.
 16. Prices should be **quoted in Indian Rupee** inclusive of all taxes, packing, freight charges, delivery & installation, configuration, commissioning, etc. at E.B. Campus, 56A, B.T. Road, Kolkata – 700050 of the university.
 17. **Corrections in the Bid:**
 - a. Corrections, if any, in the bid documents submitted by the bidder should be attested properly by the authorized signatory failing which the bid is liable to be rejected.
 - b. Bidders are advised to exercise adequate care in quoting the prices. No excuse for corrections in the quoted rate will be entertained after the bids are opened. All corrections, if any, should be signed by the authorized signatory before submission, failing which the financial bids may not be considered.
 18. **Installation & Commissioning:** Installation and commissioning of the entire project is to be executed by the bidder within the stipulated time, as mentioned in the Terms and Conditions under direct supervision of Rabindra Bharati University representative.
 19. **Guarantee/Warranty:** Period of validity of performance guarantee.

The bidder shall warrant that all equipments, software and services etc. supplied/rendered by the bidder shall conform to the University's requirements and specifications. Bidder will give Guarantee/Warranty of minimum **3 YEARS** from the date of completion and handover of the project. Bidder will provide free support, fix bugs, troubleshooting and do all the necessary additions / modifications in configuration required by the university during the Guarantee/Warranty period without any extra cost to the university.
 20. **End-of-Life:** The equipments, software and technologies proposed and supplied by the bidder should not have End-of-Life within next five years from the date of completion of the project.
 21. **Security Deposit:** 10% of the Purchase Order value after adjustment of EMD, if any, shall be kept



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as Security Deposit and shall be released on submission of bills in triplicate after the end of Guarantee/Warranty period, subject to satisfactory performance during the Guarantee/Warranty period. Security Deposit shall be released after deduction of any penalty, L.D., taxes and any other deductible amounts as per prevailing government and/or university rules.

22. **Liquidated Damage (L.D.):** "Liquidated Damage" means losses or damages sustained by the University for default on the part of the bidder either because of delayed supply or execution of works/services within the stipulated date or otherwise. L.D. at the rate of 0.5% of the P.O. value for each week of delay and part thereof subject to maximum of 2% of the total value of the purchase order shall be deducted from the bidder's payments due on the university. At any point of time, if L.D. exceeds 2% of the total value of the purchase order, the purchase order shall be cancelled and accordingly dealt with legally including blacklisting of the bidder. In such cases, the Earnest Money Deposit and/or Security Deposit and/or the Bank Guarantee will be forfeited to RABINDRA BHARATI UNIVERSITY. L.D. once deducted, will not be refunded to the bidder again.

23. **Payment:**

- a. No advance payments shall be made.
- b. 90% Payment shall be made on submission of four copies of bills along with completion certificate from respective departments, after delivery, successful installation and testing of the entire project deliverables. Payment shall be made after deduction of any penalty, L.D., taxes and any other deductible amounts as per prevailing government and/or university rules.
- c. Remaining 10% of the payment shall be kept as Security Deposit and shall be released on submission of bills in triplicate after the end of Guarantee/Warranty period, subject to satisfactory performance during the Guarantee/Warranty period.

24. **Delivery & Installation:** Delivery, installation and testing should be completed within **30 DAYS** failing which L.D. clause will be imposed and a delay of more than **30 Days** will automatically imply cancellation of the purchase order awarded to the successful bidder. Delivery and installation should be done in consultation with the **Office of Information Scientist, Rabindra Bharati University**.

25. **Suspension:** The Competent Authority may by a written notice of suspension to the Bidder, suspend all payments to the Bidder if the Bidder fails to perform any of its obligations (including the carrying out of the tasks) provided that such notice of suspension:

- a. Shall specify the nature of the failure and
- b. Shall direct the Bidder to remedy such failure within a specified period from the date of receipt of such notice of suspension by the Bidder

26. **Interpretations:** Whenever any issue relating to the interpretation of the tender document or of the bids submitted arises, the decision of competent authority of the university shall be final and binding.

27. **Assignment & Subcontracting:**

- a. This TENDER is non-transferable. Assignment and subletting is not permitted. Information regarding associates and principals is to be disclosed in the bid itself.
- b. The bidder shall not assign, transfer or sublet or attempt to assign, transfer or sublet, whether wholly or in part, any portion of the work to any other entity or person without written consent of the Competent Authority of the university.
- c. For the purpose of the liabilities under this tender, the Bidder will be considered as a solely liable to all the components of the tender and scope of the work.

28. **Validity of Bid:** The bids shall remain valid for **180 days** after the date of bid opening prescribed by Rabindra Bharati University. The bids of the **successful bidder** shall remain valid for **6 months**



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- from the date of Purchase Order awarded to the successful bidder. On completion of the validity period, unless the bidder withdraws its proposal in writing, it will be deemed to be valid until such time that the bidder formally (in writing) withdraws its proposal. Rabindra Bharati University holds the rights to reject a bid valid for a period shorter than those mentioned above as nonresponsive.
29. The University Authority reserves the right to ask for clarifications and the decision of the University Authority shall be final and binding.
30. The University reserves all rights to reject any or all offer without assigning any reason whatsoever.
31. The University reserves all rights to cancel this tender at any point of time without assigning any reason whatsoever.
32. All bids should be addressed to **The Finance Officer, Rabindra Bharati University** and should be submitted at the Office of Information Scientist within the stipulated date and time. No bid shall be accepted through telegraphic / fax / email or any other means.
33. **Signing of Tender:** Individual signing the tender or other documents connected with contract must specify whether he/she signs as:-
- A "sole proprietor" of the concern or constituted attorney of such sole proprietor.
 - A partner of the firm, if it be a partnership firm, in which case he must have authority to execute contracts on behalf of the firm and to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or by a power of attorney duly executed by the partners of the firm.
 - Director or principal officer duly authorized by the Board or Directors of the Company, if it is a Company.

N.B.

- In case of partnership firms, a copy of the partnership agreement, or general power of attorney duly attested by a Notary Public, should be furnished on stamped paper duly sworn of affirmed by all the partners admitting execution of the partnership agreement or the general power of attorney. The attested copy of the certificate of registration of firm should also be enclosed along with the tender.
 - In the case of partnership firms, where no authority to refer disputes concerning the business of partnership firm has been conferred on any parties the tender and all other related documents must be signed by all partners of the firm.
 - A person signing the tender form or any documents forming part of the tender on behalf of another person should have an authority to bid such other person and if, on enquiry it appears that the persons so signing had no authority to do so, Rabindra Bharati University, Kolkata may, without prejudice cancel the contract and hold the signatory liable for all costs, consequences and damages under the civil and criminal remedies available.
 - The bidder should sign and affix his/his firm's stamp on each page of the tender and all its Annexures as the token of having read and understood the documents.
34. **Acknowledgement of Understanding of Terms:** Bidders are advised to study the tender notice and its Annexures carefully. By submitting a bid, each bidder shall be deemed to have acknowledged that it has carefully read all sections of this Tender Notice, including all forms and has fully informed itself as to all existing conditions and limitations. Bidders are also advised to visit the university site and understand the volume and nature of work before submitting the bid.
35. **Negotiations and Contract Finalization:** Rabindra Bharati University reserves the right to negotiate with the bidder whose proposal has been ranked first on the basis of Joint Evaluation of Technical and Commercial Bids. Rabindra Bharati University reserves the right to award the



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contract to the bidder selected for negotiations.

36. **Award of Contract:** The successful Bidder will be awarded the purchase order. Within **3 days** from the date of the purchase order the bidder will have to submit an **unconditional acceptance letter** and complete the job within the stipulated time.
37. **Termination for Insolvency:** Rabindra Bharati University may at any time terminate the contract by giving written notice of four weeks to the bidder, without any compensation to the bidder, if the bidder becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to Rabindra Bharati University.
38. **Termination for default:** Default is said to have occurred:
 - a. If the bidder fails to complete the assigned job in accordance with the Tender Notice within the time period(s) specified in the contract or any extension thereof granted by Rabindra Bharati University.
 - b. If the bidder fails to perform any other obligation(s) under the contract / work order / purchase order.
 - c. If the bidder fails to comply with instructions of Rabindra Bharati University with respect to improving the quality of assigned job.
39. **Jurisdiction:** The court at Kolkata only shall have jurisdiction to deal with and decide any legal matter whatsoever arising out of this contract.

II. Scope of Work:

A. Pre Bid Activities:

The prospective bidders are advised to visit the site in order to have an idea about the work that will have to be done for the completion of the project.

B. Confidentiality:

The bidder will maintain the confidentiality of configuration, data, information supplied, method of operation, procedures, etc. of the university. The bidder will be required to take appropriate actions in respect to its personnel to ensure the obligations of non-use and non-disclosure of confidential information.

C. Documentation:

Complete documentation on the project - User Manual and Technical Manual along with diagrams has to be provided.

D. Delivery, Installation, Configuration and Commissioning:

Delivery, installation, configuration, commissioning and testing of all the ordered items shall be within the scope of work. Dismantling of servers, switches, accessories, etc. from existing racks and bring them to previous working conditions after re-mounting these equipments on the new rack shall be within the scope of work.

- E. At the time of installation and commissioning of any items/software/services, etc. mentioned in the NIT if it is found that some additional items/software/services, etc. are required to complete the configuration/installation to meet the operational requirement of the project which were not



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included as per the technical specification then bidder will be required to supply/render such items/software/services, etc. to ensure the completeness of the project at no extra cost to Rabindra Bharati University. Apart from above, any item, software or services required for the completion of the project as per the requirement of the university shall be within the scope of work of this tender.

F. Warranty Support:

The bidder shall provide free maintenance and support during the warranty period of the ordered items. During this warranty period, apart from providing Hardware Warranty, the bidder will carry out Preventive Maintenance, Health Check and Calibration of the equipments each month and as-and-when required by the university without any extra cost to the university.

III. Procedure for Submission of Proposals

1. Eligible bidders are required to download the Tender Documents from the University website <http://www.rbu.ac.in>.
2. The bid shall contain technical information of the proposal, price bid and all documents required for the bid. **All the bid papers must be ink-signed and submitted.** The information submitted must be definitive and specific. Vague terms, incomplete information, counter offers, and uncalled for correspondence shall not be entertained.
3. Bidders are required to submit the complete proposal along with annexures, etc. The proposal has to be signed in original by the Bidder. The proposal shall be exactly according to the formats given in the TENDER documents. All columns of the prescribed formats should be filled, and all questions in the tender document must be answered. Any additional information should be submitted separately. Modifications / reordering of formats shall not be acceptable. Each page of proposal document is to be signed and stamped by the Bidder clearly indicating that all the terms and conditions mentioned herein are acceptable to the Bidder unconditionally.
4. The Bidder is expected to read and examine carefully all instructions, forms, annexures, terms and specifications in the Tender Notice. The bid should be precise, complete and in the prescribed format as per the requirements detailed in this Tender Notice. All the pages comprising the bid shall be serially numbered. Failure to furnish all information required in the Tender Notice or submission of a bid not substantially responsive to the Tender Notice in every respect will be at the Bidders risk and shall result in rejection of the bid and forfeiture of Earnest Money Deposit (EMD), if any, such bidders may also be blacklisted and prohibited from participation in future purchases.



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IV. Bid Documents To Be Submitted

Bidder's proposals shall consist of the following documents maintaining the same serial:

1. Company's registered address, address in Kolkata, functional contact email address, phone number(s) and Fax number(s), etc.
2. Supporting documents that the organization is in business of supply, installation, configuration and commissioning of Racks and iPDUs in India for last FIVE YEARS.
3. Supporting documents that the bidder has its service support office in Kolkata for at least last FIVE YEARS.
4. Supporting documents (untampered copies of purchase orders and completion certificates) that the bidder has experience within last five years, in supply, installation, configuration and commissioning of Racks and iPDUs in renowned Indian organizations preferably universities and government organizations.
5. Supporting documents (untampered copies of purchase orders and completion certificates) that the bidder has executed work with similar complexity for at least two Central or State Government Universities or Central Government Institutes (like IIT, IIM, ISI, etc.) or Central / State Government Organizations in India within the last 2 years.
6. Client List and Letters of Satisfactory Performance from existing and previous clients from Central/State Government Universities, Central Government Institutes (like IIT, IIM, ISI, etc.) or Government Organizations in India.
7. The Data sheets / Cross reference documents and technical documents of proposed equipments, software and technologies must be submitted.
8. Untampered copies of purchase orders and completion certificates of a similar nature of completed work having the minimum value of Rs.4,00,000/- in a single P.O. during last THREE YEARS prior to the date of issue of the tender notice
9. Completion certificate and purchase order from bidder's clients produced as credential should clearly indicate the description of works, value of contract, executed work value, date of award, actual date of completion etc. and name, address, telephone no. of the client.
10. Balance sheets and P/L Accounts (highlight the relevant portions with a highlighter pen) of the relevant periods certified by a Chartered Accountant mentioning the following:
 - a) The Bidder has Annual Turnover not less than **Rs. 1 Crore** during each of the last 3 (three) years (i.e., 2013-2014, 2014-2015 and 2015-2016).
11. Evidence of payment of tax for the last three years as and when due.
12. Attested copies of IT and ST clearance certificates.
13. Attested copies of PAN card and VAT registration certificates.
14. Attested copies of valid Trade License, Professional Tax Challan, W.B. VAT Registration Certificate, Service Tax & TIN documents.
15. Comprehensive company profile with Proposed Management Team and Organizational Chart.
16. Company's method for providing support service during the maintenance contract period.
17. Escalation matrix for support service.
18. **Original tender** as published online, duly filled, signed and stamped, is to be submitted, along with Bid documents.
19. **Datasheets & Reference Documents** of proposed products must be submitted along with the Bid.
20. **Annexure-I:** Bidder's Information, duly filled, signed and stamped, is to be submitted with the Bid.
21. **Annexure-II:** Application for tender.



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22. **Annexure-III:** Letter of authorization in respect of the person authorized to interact with the university.
23. **Annexure IV:** An ink-signed declaration letter that the organization is not blacklisted by any reputed organization, PSU, University or Government organization or any OEM of the products proposed.
24. **Annexure V:** An ink-signed declaration letter for Confidentiality and Data Security.
25. **V. Requirements, Specifications and Compliance Sheet:** The Compliance Sheet must be filled-up, ink-signed and submitted.



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IV. Bill of Quantities (BOQ):

1. Quotations must be submitted in the following format.

S. No.	Description	Quantity (Q)	Rate/unit (in Rs.) (R)	Tax (in %)	Tax Amount (in Rs.) (T)	Amount (in Rs.) [A = Q x (R + T)]
1.	Server and Network Rack	1				
2.	30A/32A 24-Outlet with Outlet-Metered & Switched PDU	4				
3.	PDU Management Software	1				
4.	Installation, Configuration and Commissioning, etc.	1				

Note: The quantities mentioned above are for evaluation of bids. The ordered quantities of one or more items mentioned above may be increased or decreased or may not be ordered.

2. Buy-back price must be submitted in the following format.

S. No.	Description	Quantity (Q)	Rate/unit (in Rs.) (R) (inclusive of all)	Amount (in Rs.) [A = Q x R]
1.	Existing Server Rack – HCL 27U [Bidders are also advised to visit the university site and verify the existing rack before submitting the bid]	1		



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V. Requirements, Specifications and Compliance Sheet

1. Server and Network Rack

S. No.	Item	Description	Compliance (Yes / No)
1	Basic Structure	Rack should be of all-steel-construction with powder coated finish. Rack design should enable shipping of the rack in Completely Knock Down (CKD) condition and it should permit an easy assembly of the rack at the installation site as per the requirement of the site. All Steel structure of frames and depth mounting channels should rest positively fastened onto the integral plinth of box like configuration. Thus ensuring the higher level of rigidity of the basic rack skeleton while effectively distributing and transferring the entire load to integrated plinth. Construction of all direct load bearing structural members like Frames, Plinth and Vertical Mounting Rails should not be less than 2.0mm CRCA Steel. Integral plinth should have provision for cable entry on rear and two sides along with cable entry gland plate on the top face of the plinth. Minimum opening of this top gland plate on the plinth should be at least 300mm x 300mm with separate opening for electrical / power cables entry.	
2	Plinth & Castors	The plinth should also have provision to mount castors (4 Nos.) and Levelling Feet (4 Nos.) simultaneously. This is required for the facility of moving the rack while installation process and then resting the same rigidly at the final location. When the rack is resting on the levelling feet, castors should not touch the ground surface. (All castors should be without any brake or any other locking mechanism)	
3	Front Door	Front Glass Door should be provided with 2 locks for the security purpose. This door should have provision to get mounted on Right or Left side of the rack front. This means that it should be possible to change the door configuration from Left to Right at installation site. It should also be possible to open this door by 180 Degrees to ensure proper approach to front of rack.	
4	Rear Door	Rear door should be completely perforated to facilitate the air circulation at the maximum without offering any resistance to the same. Ideally, it should be possible to remove it easily and should have 2 locks for the security purpose. Rear doors should have provision to mount fan trays.	



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S. No.	Item	Description	Compliance (Yes / No)
5	Side panel	Side Panels should be easily removable type along with the provision for locking. Ideally, the panels should have latching arrangement to facilitate easy removal and putting back the panel along with locks for the security purpose.	
6	Space	Height: The Rack should Provide 42U Usable Space.	
		Width: The rack should be 800mm Wide with 19" mounting provision	
		Depth: The rack should have at least 1000mm Depth. Usable Depth should be not less than 900mm	
7	Load Bearing Capacity	Load carrying capacity of rack should be at least 1000 Kg.	
8	Mounting Provisions	Mounting rails (for Standard 19" mounting) should be made up of steel. (Minimum 2.0mm thickness) and should be of Multi-fold design for enhanced loading capacity and rigidity. It should have unique U Marking along with U locator notch. U Number Markings should be clearly visible even after mounting of the equipment.	
9	Cable Management	For achieving 19" Mounting Format in the 800mm Wide Rack, 100mm Reducing Channels should be provided. These should have a dual functionality of providing 100mm x 100mm cabling space along with recessing for the 19" mounting format. (These 100mm reducers should not be in the form of just a block or a tray and should have depth of 100mm at least.)	
		Two vertical cable managers to be provided in the rack in the form of Cable Wire Baskets. These baskets should offer the maximum flexibility by way of the cable dressing and routing provision. Construction should be of 5mm cross-section wires so as to avoid any sharp edges and easy manageability of various cables.	
10	Heat Management	Top roof should be well ventilated, especially with ventilation provided on the vertical side of the roof to enhance the hot air outflow while in operation. Roof should also have provision to mount the cooling fan trays. It should be possible to mount at least 4 nos. of 90 CFM cooling fans on this roof and in addition there should be space for the cable entry from the top.	



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S. No.	Item	Description	Compliance (Yes / No)
11	Powder Coating Details	Thickness of powder coating should be 60 microns or more.	
		Colour of the cabinet should be : Black	
12	Thickness of Material	The structure and all its components should be made from CRCA Steel Material – at least 1.2mm thick	
13	Shelving Options	The rack should be provided with 1 Heavy Duty Shelf of 727mm Depth	
14	Power Management	Vertical power distribution units provided should have 24 outlets of 30/32 Amp capacity. These should be split in to four internal circuits so as to avoid overloading of the interconnection cables inside the unit. All cables used should be of ISI grade with min. 2.5sq mm cross sectional area. All the connecting ends must be tinned so as to avoid any loose wire strands. Rack should have the appropriate mounting provision for the multiple of these PDUs at the rear of the rack.	



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2. iPDU with Outlet Level Metering and Switching

S. No.	Features	Details	Compliance (Yes / No)
1	Connections	It should support 10/100Mbit Ethernet Interface	
		It should support TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, NTP, DNS, Auto Sense, Ping, SNMP V1,V2&V3	
		Support 2-level account/password security, IP/MAC filter, 128 bit SSL, RADIOUS	
		It should support : eco Sensors, Browser (IE, Firefox, Chrome, Safari)	
2	Metering	It should support PDU and outlet level power metering and monitoring	
		It should have environment monitoring which supports external temperature/temperature & humidity sensors for rack temperature and humidity monitoring	
		It should have current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting	
		It should support door sensor	
3	Outlet Switch Control	It should have remote power outlet control (On/Off, Power Cycle) by individual outlets and outlet groups	
		It should have outlet group support at the PDU	
		It should support multiple power control methods — Wake on LAN, System After AC Back, Kill the Power	
		It should support power-On sequencing in which users can set the power-on sequence and delay time for each outlet to allow equipment to be powered on in the correct order	
		It should support proactive overload protection(POP) which automatically powers off the last outlet that caused the current overload	



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S. No.	Item	Description	Specifications	Compliance (Yes / No)
1	Electrical	Input Power	7360 VA or more	
		Outlet Type	Total: 21 x IEC320 C13 + 3 x IEC320 C19	
		Maximum Output Current (Outlet)	C13: 10A or more C19: 16A or more; TUV De-rated 15A or more	
		Maximum Output Current (Bank)	16A or more; TUV De-rated 15A or more	
		Maximum Output Current (Total)	32A or more; TUV De-rated 30A or more	
		Breakers	2 x 16A UL489 Breaker	
		Environment Sensor Ports	4	
		Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
2	Physical Properties	Dimensions (L x W x H)	177.50 x 6.60 x 4.40 cm or more (69.88 x 2.6 x 1.73 in.)	
		Weight	6.33 kg (13.94 lb) or less	
3	Environmental	Temperature (Operating / Storage)	0 – 40°C / -20 – 60°C	
		Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	



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3. PDU Management Software

S. No.	Specifications	Compliance (Yes / No)
1	Automatic discovery of all PE devices within the same intranet	
2	Remote real-time power measurement and monitoring - PDU level current / voltage / power dissipation / power consumption - Outlet ON / OFF / Recycle status	
3	Second window to monitor data center status including PUE, RTI, RCI, Power, Carbon Footprint and rack status	
4	Remote real-time power outlet management - Power outlet ON / OFF / Cycle switching by outlet or user-defined group - Power outlet ON / OFF / Cycle switching with pre-defined schedule - User-defined outlet level delays for sequential power up - Current / Voltage / Power Dissipation / Power Consumption threshold level setting - User access assignment for every outlet - Name assignment to individual outlets	
5	Remote real-time environment sensor monitoring - Temperature / Temperature + Humidity reading / Temperature + Differential Pressure - Temperature and Humidity threshold level setting	
6	Plotting/Monitoring of all PE devices - Add data center server racks - Add PE devices for each server rack - Manage device/device outlet status for each plot	
7	Offers essential data center indices including Rack Intake Temperature, Rack Exhaust Temperature, Rack Equipment Temperature Difference, RCI (Rack Cooling Index), RTI (Return Temperature Index), RHI (Rack Humidity Index), RPI (Rack Pressure Index), RAI (Rack Airflow Index)	
8	Power analysis report for optimizing data center energy management – including power usage, power load, power cost, CO2 cost, power capacity and trend	
9	Exceed threshold alert through SMTP and System log	
10	10240 line event log	
11	System log provision	



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S. No.	Specifications	Compliance (Yes / No)
12	Two-level password security	
13	Strong security features include password protection and advanced encryption technologies – 128 bit SSL	
14	Max PDU Supported should be 2500 or higher	
15	Data Center Layout – - Max Racks Supported Should be 1250 our higher - Max Zone Number should be 128 or higher	
16	It should give Power report data for minimum 3 years or higher	
17	Real Time Dashboard data to be provided by the software should be of 1 hour	

Finance Officer



RABINDRA BHARATI UNIVERSITY

56A, B.T. Road, Kolkata – 700050.

Ref. No.: IS/RBU/131/12/2016

Date: 08/12/2016

Annexure-I: Bidder's Information Format

S. No.	Required Information	Bidder Response
1	Name of the Firm /Company	
2	Year of establishment	
3	Type of Company (Govt./PSU/Public Ltd./ Partnership/Proprietary)	
4	Contact Details:	
	Address of registered office/Head Quarter	
	Contact person's Name	
	Designation	
	Phone Number(s)	
	Fax	
	E-mail	
5	PAN & TAN numbers and related details	
6	Service Tax Number & related details	
7	Number of years' experience (Organization's) in supply, installation and support of similar items. Documentary evidences submitted (P.O. Copy & Completion certificates) should be mentioned here.	
8	Annual Turnover for last 3 Financial Years (In separate ROW/LINE)	
	2015 – 2016	
	2014 – 2015	
	2013 – 2014	
9	Audited balance sheets submitted for above mentioned financial years? YES/NO	
10	Total manpower in customer support	
	Details of technical support/helpdesk	
	Phone number	
	E-mail	
	Contact person name	
	Contact person's mobile number	
11	List of prominent organizations where similar nature of projects executed in last three to six years (P.O. Copy & Job completion certificates to be enclosed)	

(Bidder's Signature with Seal)

Note: Annexure-I should be signed and submitted in bidder's letterhead along with the Bid.



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56A, B.T. Road, Kolkata – 700050.

Ref. No.: IS/RBU/131/12/2016

Date: 08/12/2016

Annexure-II: Format for Application for Tender

Ref. No.:

Date:

To
The Finance Officer
Rabindra Bharati University
56A, B.T. Road,
Kolkata - 700050.

Subject: Submission of bid for Supply, installation and commissioning of Rack and iPDUs

Reference: Tender for Supply, installation and commissioning of Rack and iPDUs
[Tender Ref. No.: IS/RBU/126/12/2016, dated 05/12/2016]

Sir,

Having examined the tender documents, I/we, the undersigned, offer to undertake the job of "Supply, installation and commissioning of Rack and iPDUs" as per Tender Ref. No.:, dated

I/We have read and understood the terms and conditions laid in the above mentioned tender and agree to abide by them and it shall remain binding upon me/us for acceptance at any time before the expiry of the bid validity period mentioned in the above tender.

Thanking you,
Your sincerely,

(Signature with Date and Stamp)

<Name>

<Designation>

<Company Name>

Note: Annexure-II should be signed and submitted in bidder's letterhead along with the Bid.



RABINDRA BHARATI UNIVERSITY

56A, B.T. Road, Kolkata – 700050.

Ref. No.: IS/RBU/131/12/2016

Date: 08/12/2016

Annexure-III: Format for Authorisation Letter of Contact Person

Ref. No.:

Date:

To,
The Finance Officer
Rabindra Bharati University
56A, B.T. Road,
Kolkata 700050.

Subject: Letter of authorization in respect of the person authorized to interact with the University

Reference: Tender for Supply, installation and commissioning of Rack and iPDUs
[Tender Ref. No.: IS/RBU/126/12/2016, dated 05/12/2016]

Dear Sir,

We hereby authorize <Name>, <Designation>, of <Bidder's Company name> to represent our company and sign the bid document, submit necessary documents, conduct negotiations etc. with respect to the above mentioned tender.

All the declarations given by him / her will be binding on the company.

The signature of <Name>, <Designation> is attested here below.

Thanking you,
Your sincerely,

(Signature with Date and Stamp)
<Name>
<Designation>
<Company Name>

Note: Annexure-III should be signed and submitted in bidder's letterhead along with the Bid.



RABINDRA BHARATI UNIVERSITY

56A, B.T. Road, Kolkata – 700050.

Ref. No.: IS/RBU/131/12/2016

Date: 08/12/2016

Annexure-IV: Declaration Letter that the Organization is Not Blacklisted

Ref. No.:

Date:

To,
The Finance Officer
Rabindra Bharati University
56A, B.T. Road,
Kolkata 700050.

Subject: Declaration letter that the organization is not blacklisted

Reference: Tender for Supply, installation and commissioning of Rack and iPDUs
[Tender Ref. No.: IS/RBU/126/12/2016, dated 05/12/2016]

Dear Sir,

With respect to the above tender, I/We hereby declare that our organization has never been blacklisted by any reputed organization, PSU, University or Government organization or by any OEM of the products proposed in this tender and our bid. I/We understand and agree that if this declaration is not found to be true at any point of time in this tender process then our bid will be summarily rejected. I/We also understand and agree that if this declaration is not found to be true at any point of time after the award of purchase order, then the purchase order will be cancelled and the earnest money deposit and/or security deposit and/or the bank guarantee will be forfeited to RABINDRA BHARATI UNIVERSITY.

Thanking you,
Your sincerely,

(Signature with Date and Stamp)

(<Name>)

(<Designation>)

(<Company Name>)

Note: Annexure-IV should be signed and submitted in bidder's letterhead along with the Bid.



RABINDRA BHARATI UNIVERSITY

56A, B.T. Road, Kolkata – 700050.

Ref. No.: IS/RBU/131/12/2016

Date: 08/12/2016

Annexure-V: Declaration Letter for maintaining confidentiality, privacy and security of university data and information

Ref. No.:

Date:

To,
The Finance Officer
Rabindra Bharati University
56A, B.T. Road,
Kolkata 700050.

Subject: Declaration letter for maintaining confidentiality, privacy and security of university data and information

Reference: Tender for Supply, installation and commissioning of Rack and iPDUs
[Tender Ref. No.: IS/RBU/126/12/2016, dated 05/12/2016]

Dear Sir,

With respect to the above tender, I/We hereby affirm that our organization and our personnel will maintain the confidentiality of data, information supplied, method of operation, procedures, etc. of the university. I/we will take appropriate actions in respect to its personnel to ensure the obligations of non-use and non-disclosure of confidential information.

Thanking you,
Your sincerely,

(Signature with Date and Stamp)
<Name>
<Designation>
<Company Name>

Note: Annexure-V should be signed and submitted in bidder's letterhead along with the Bid.



RABINDRA BHARATI UNIVERSITY

56A, B.T. Road, Kolkata – 700050.

Ref. No.: IS/RBU/131/12/2016

Date: 08/12/2016

Annexure-VI: Format for Unconditional Acceptance Letter (To be submitted by successful bidder after receiving P.O.)

Ref. No.:

Date:

To,
The Finance Officer
Rabindra Bharati University
56A, B.T. Road,
Kolkata 700050.

Subject: Unconditional letter of acceptance against your Purchase Order for Supply, installation and commissioning of Rack and iPDUs

Reference: Tender for Supply, installation and commissioning of Rack and iPDUs
[Tender Ref. No.: IS/RBU/126/12/2016, dated 05/12/2016]

Dear Sir,

With respect to the above, I/we hereby unconditionally accept the purchase order and its terms and conditions in its entirety for Supply, installation and commissioning of Rack and iPDUs with buy-back of old batteries.

Thanking you,
Your sincerely,

(Signature with Date and Stamp)
<Name>
<Designation>
<Company Name>

Note: Annexure-VI should be signed and submitted in successful bidder's letterhead **after receiving the purchase order.**