



भारतीय लघु उद्योग विकास बैंक
Small Industries Development Bank of India

Tender No. and Date	400/2018/1310/BYO/ITV Dated January 30, 2018
Purpose	Request for Proposal for Co-location of Bank's DataCenter and Disaster Recovery Site
Pre-bid Meeting held on	February 07, 2018

Clarifications to Pre-bid Queries

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1	10	4.3.3	Bank has MPLS VPN connectivity in HUB and Spoke architecture connecting all the locations. MPLS VPN and Internet links are procured from multiple service providers (currently five SPs) viz. Tata, Bharti, BSNL/MTNL, Reliance and Sify. Bank is also in the process of implementing SD-WAN along with links the tender for which is being issued shortly. Bank has also deployed P2P links between DC and DR for log shipment.	<ol style="list-style-type: none">1. Internet Bandwidth and Public IP used from existing services provider. No additional Internet services needed from Vendor?2. Please specify link migration is in SIDBI's scope.	<ol style="list-style-type: none">1. Scope of work under this tender does not include any Internet services.2. Link(s) – [Internet and WAN links] migration will be taken up by the Bank with the service provider(s). <p>The bidder should ensure that MUX's from the existing Internet service providers of the Bank are available at the premises.</p>
2	19	5.1	Off-Site Storage of LTO Tapes	Can 5.10 (off-site tape movement) be kept separate from main bid as this is not a core service but a third party resell?	The vendor may provide third party service for off-site tape movement. Hence, no change in clause.
3	12	5.1.3	Bidder may assess the existing infrastructure by visiting Bank's Data center and DR Site, if required and accordingly submit the proposal.	What is procedure for visiting Banks facility?	<p>The bidder who wants to visit DC and DR should intimate the Bank by mail with complete details of the bidder's personnel who would be visiting the site along with the proposed date and time of visit. The Bank would confirm the bidder</p> <p>The bidder's personnel to carry</p>

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					Company identity card and person will be required to follow due access procedure at respective locations.
4	12	5.3.1	The proposed Data center building should be owned by bidder or on lease with unexpired lease duration of at least 12 years as on date of RfP.	Kindly amend the Clause to "The proposed Data center building should be owned by bidder or on lease with unexpired lease duration of at least 9 years."	No Change
5	12	5.3.2	The building for hosting the Bank's DC should be standalone or single tenant and in case of DR it should be standalone/single or multi tenant.	The building for hosting the Bank's DC should be standalone or should have an independent wing /floor place for DC space proposed.	No Change
6				Can building for hosting Bank's DC be Multi-tenant instead of standalone?	
7	13	5.4.4	The VENDOR shall provide Auto Transfer Switch (ATS) for single power input systems, if applicable.	Pl. clarify No of ATS Needed for entire setup	1. At DC – in five (05) racks and 2. At DR – in three (03) racks Any additional ATS required will be taken based on rate contract during the period of the contract.
8				Required Qty	
9	14	5.5.2	The Data Centre VENDOR should allow the termination of the links provided by the Bank appointed link service providers. If Telecom junction box / multiplexers of these link service providers are not available, then the DataCenter VENDOR should allow the commissioning of the same by link service provider. The Data Center VENDOR shall allow laying of cables and associated works in their premises, for installation of MUX, laying of cable, space for installation of MUX in communication room etc. at no extra cost to the Bank.	No of Cross connect	1. At DC – 20 UTP cross connects and 2. At DR – 15 UTP cross connects Any additional cross connects (UTP / Fiber) required during the period of contract will be taken based on rate contract.
10					
11	14	5.5.4	Bank presently has links deployed from BSNL, Bharti Airtel, Tata Communications, Reliance, Sify to connect its DataCenter to the Bank's various locations. The VENDOR has to assure that the termination of these links is feasible at the proposed sites.	This feasibility will be checked once we finalize proposed location dependent on RFS date	No Change The bidder should confirm and provide the details in the bids.

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12	14	5.5.6	The VENDOR will be responsible for extension of existing telecommunication links from communication room to server caged area / network communication area (where network racks are installed) at no extra cost to the Bank.	Cross connect charges are applicable for all extension of links	<p>No Change</p> <p>Initially the VENDOR has to provide cross connects as asked for in the RfP. The charges for the same would be part of one time cost.</p> <p>For any additional cross connects during the period of contract, the Bank would procure the same as per contracted rate. Refer S.N.9 above.</p>
13	15	5.6.6	<p>If required by the Bank the VENDOR should be able to provide details of people accessing the Bank's Server room / Cage by sharing the entries made in the security register, reports from access control system, CCTV video clips etc.</p> <p>The vendor should submit a monthly report to Bank showing in and out time of employee of system integrator (deputed by the Bank) stationed at their Data Center.</p>	Basis on Request	<p>No Change.</p> <p>However:</p> <ol style="list-style-type: none"> 1. The bidder should be able to provide details of people accessing the Bank's Server room / Cage by sharing the entries made in the security register, reports from access control system. The format of the reports shall be finalized in discussion with the shortlisted vendor. 2. The CCTV video clips should be provided as and when requested by the Bank.
14	15	5.7.4	The VENDOR should provide racks of 42U size with inter-rack cabling, cross connects to communication area. The racks should have proper cable managers (vertical and horizontal) and troughs for complete structured cabling. Blanking panels etc., if required as per Industry best practice to be provided. The VENDOR shall provide adequate power points of required specifications in the racks with redundant UPS power.	Inter-rack cabling - Scope Defined	Inter-rack cabling architecture attached herewith as Appendix i.

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15	15	5.7.7	The cage area should be sufficient enough to house the maximum number of racks as mentioned above along with sufficient free space for opening of front and rear rack doors for installation/ replacement /trouble shooting of hardware and movement of service personnel.	Can we propose cage which has only one Door with biometric access?	The cage at both DC and DR should have one door with biometric access control. However, the door should be of sufficient dimensions so that the equipment can be taken in / out of the cage comfortably.
16	16	5.7.8	Bank envisages an addition of more racks during the period of contract, the VENDOR should be able to provide the same at the contracted rate within the same server hall, contiguous to the existing cage area. In case vendor decides to offer the space in contiguous area to some other customer, the first right of refusal would rest with the bank. Bank cannot provide any minimum time frame to inform VENDOR for taking up additional space.	1. Pl. clarify rack dimension which needed in future along with tentative duration	1. Future requirement may be for server / network rack(s) at both DC and DR. 2. In case of additional rack scalability, the bidder may offer rack space outside the cage in the same DataCenter. 3. In the existing cage Bank is expecting additional two server racks at DC and DR. However, during the period of contract there might be requirement of more than two racks which may be provided as per point No.2 above. Separate line item for point no.2 above is added in commercial bid for the same.
17	2. Adjacent Rack scalability - Caging is for existing racks then how racks can be scaled.				
18	3. Is Bank only expecting additional 2 racks in future or more can be there?				
19	16	5.7.10	The VENDOR shall provide CCTV cameras in the cage area that can be common however the cameras should capture all the activities carried out at the front and back of the rack. In case of any observation by the Bank's engaged auditor (IS, ISO, Regulators etc) during the period of contract on the positioning of CCTV cameras, VENDOR has to provide additional CCTV cameras at no extra cost to the Bank.	Is SIDBI okay with shared IP cameras or SIDBI needs dedicated IP cameras for their cage?	Change. <u>The clause stands revised as under:</u> "The VENDOR shall provide dedicated IP CCTV camera(s) along with other accessories in the cage area to capture <u>all the activities carried out at the front and back of the rack</u> . The video feed should be made available to the Bank online. Further, the video feed should be stored for a period of three months.

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					In case of any observation by the Bank's engaged auditor (IS, ISO, Regulators etc) during the period of contract on the positioning of CCTV cameras, VENDOR has to provide additional CCTV cameras at no extra cost to the Bank."
20	16	5.7.13	Sufficient cooling failover should be built in the server halls. Cold air should be pumped through vents to ensure that the temperature in the cage area is maintained at 21 +/- 2-degree centigrade (when measured 48 inches above the floor).	Temp 22+/-2 as per Tier III Std	Change <u>The clause stands revised as under:</u> "Sufficient cooling failover should be built in the server halls. Cold air should be pumped through vents to ensure that the temperature in the cage area is maintained at 22 +/- 2-degree centigrade (when measured 48 inches above the floor)".
21	16	5.7.18	The VENDOR shall provide power connectors/ sockets/ power strips of required specifications. The VENDOR shall include such cost of provisioning the power sockets of different type as and when required in their commercial bid.	Pl. provide rack wise power strip requirement (e.g. Indian or C13 , 12 Socket or 16 Socket)	The details of type of socket and quantity in each rack are given in Appendix –iii.
22	16	5.7.19	Single phase and three phase power should be made available to support the Bank's equipment's in the server / cage area. The detailed numbers will be provided to VENDOR after award of the contract.	Please quantify rack wise commando socket requirement along with Rack wise rated power information as inventory which shared in RFP.	1. All the racks to be provided with single phase power. 2. In case during the period of contract the Bank desires to have three phase power, the bidder to provide the same at the contracted rate.
23				No of single & three phase power supply	
24	16	5.7.20	The VENDOR shall provide one-time LAN cabling (and thereafter maintenance of same), interconnecting all the racks, from the Network rack to the Server Racks as per the network design provided by the Bank.	Interconnection of network & server Racks - Provide the network design	The network diagram showing interconnect between the racks is given in Appendix-i.
25	17	5.7.24	Racks and Cabling	As updated complete structured cabling details needed along with network Diagram	
26				Generally cabling is proposed on actual	

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				after studying the infrastructure. Can SIDBI define no. of copper and no. of fiber cables between rack in detail (such that cable length can optimize) and within rack such that Vendor can provide Cabling BoQ.	
27	17	5.7.24(4)	Racks and Cabling - Each rack to be provided with two numbers of power strips of 32amps with 16 sockets, each power strip connected to separate UPS.	What will be Power socket type - IEC (16 Nos x C13) or Indian standard (16 Nos x 5A).	The details of type of socket and quantity in each rack are given in Appendix –iii.
28	17	5.8.4	The VENDOR shall also provide a separate space to accommodate Bank's Fire vault cabinet in the Bank's enclosed seating area. The dimension of the cabinet is 56cm width x 81cm depth x 160cm Height. This will be in addition to the seating space mentioned above.	Please confirm Make and weight of fire safe	Make : Godrej Weight: Appx. 500Kg Width : 56cm Depth : 81cm Height :160cm
29	18	5.8.5 (4)	One Telephone line with STD facility in caged area with parallel connectivity to seating space would be installed meant for Bank's authorized personnel. The internal cabling has to be carried out by the VENDOR. The bidder to provide No-Objection Certificate and assist the Bank in applying for the telephone line. The Charges towards telephone shall be reimbursed to the service provider basing on actual usage.	This feasibility to be checked with respective telephone provider.	Change <i>The clause stands revised as under:</i> "One Telephone line with STD facility in caged area with parallel connectivity to seating space would be installed meant for Bank's authorized personnel. The bidder to provide No-Objection Certificate and assist the Bank in applying for the telephone line. The Charges towards telephone line will be paid by the Bank to the telephone service provider. The internal cabling (from link termination point to cage area and parallel to seating space) has to be carried out by the VENDOR".
30				Telephone connection charges reimburse - How SP can reimburse the bill	
31				Phones in cage and on seating space and its connectivity to be provided has to be procured by SIDBI. Cabling for it to be provided on actual. Please Clarify	
32	18	5.8.5(9)	Network connectivity from the seating space provided by the vendor to the Bank's server area / LAN. For each seat the vendor shall provide	Vendor to provide LAN connectivity to seating space on Fiber. SIDBI to provide SPF and fiber switch port on their	The bank will have separate access switches (HPE 2530-24G) for providing LAN connectivity to seating space. The

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			redundant network points (2 points).	<p>Infrastructure. Hope SIDBI can allow fiber connectivity on their network environment?</p> <p>Who will be responsible for the switch required for connectivity between seating space and rack</p>	<p>switches are populated with 1XGig SFP LC SX for backbone connectivity. One switch will be installed in the cage and the other at the seating space. The backbone connectivity would be on fiber.</p> <p>The VENDOR to provide:</p> <ul style="list-style-type: none"> • Rack / box along with power sockets for installing the access switch in the seating space. • UTP cabling from the access switch installed in seating space to the individual desks. • Fiber uplink from the cage area to the seating space.
33	18	5.8.9	The VENDOR has to earmark adequate parking facility for parking vehicles of Bank's authorized personnel. However, no parking should be allowed adjacent to the data Centre building	Please share more detail about No. of parking required for 2 wheeler / 4 wheeler so feasibility can be checked.	Clause stands Deleted.
34	18	5.9.1	The shortlisted DC / DR VENDOR has to shift all the equipment from present Bank's Data Centre / DR Site to new proposed VENDOR Datacenter. Shifting of the equipment involve un-mounting, packaging, marking/ labelling, transportation and mounting of the equipment at VENDOR Datacenter.	Who will be carrying out racking and stacking in Vendor racks in Vendor DC? Is this part of Vendor scope or SIDBI's scope? As per scope understanding from document, any configuration on device level after lift and shift and management of infrastructure to be in SIDBI's scope. Hope this understanding is correct?	<p>The clause is self-explanatory.</p> <p>The bidder has to carry out un-mounting of devices from the Bank's existing DC / DR racks, packing, marking / labeling, Transportation and rack mounting of the equipment at the VENDORS Data Center.</p> <p>However, any configuration on device level will be SIDBI's responsibility.</p> <p>The bidder to note that, the Bank will not be able to provide any manpower for the physical activity.</p>
35	18	5.9.2	Transit Insurance of the assets shall be taken by the VENDOR on behalf of Bank and the same will be reimbursed to the VENDOR by the Bank on actual basis. Proof of insurance to be	Request you to add "Transit Insurance" as a line item in the commercial format as there is a cost consideration which needs to be accounted for in the commercial bid.	<p>Transit insurance will be reimbursed on actual.</p> <p>The details of equipment along with</p>

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			submitted to the Bank before commencement of actual shifting of items.		current asset value for insurance purposes will be provided to the shortlisted bidder. The insurance should be in the name of the bank.
36	19	5.10.1	The VENDOR has to provide off-site drop off and pickup facility for backup tapes.	As this service needs to provide by VENDOR kindly specify the dedicated Line item for this clause in Bill of Material.	Agreed , separate line item added in REVISED commercial bid.
37				Kindly confirm procuring tape cartage will be in scope of SIDBI?	Tape Cartridge will be provided by the Bank.
38	19	5.11.5	Meeting room: The vendor shall provide discussion / meeting room facility to accommodate 8 to 10 persons as and when required. The meeting room should have projector and white board facility. Occasionally this facility may be required on immediate basis without any prior intimation.	Prior Intimation required to provide the meeting room	Agreed.
39	20	5.11.7	Audit reports of people accessing the Server room / cage area should be available and submit on monthly basis.	Please clarify the Reports needs to be submitted. NMIT as standard practice keeps logs of the visitor.	Log reports of the people accessing the server room / cage area should be provided as and when required by the Bank.
40	20	5.11.8	Sharing the video monitoring data on monthly basis.	Video feeds cannot be shared outside the DC for security reasons	<ul style="list-style-type: none"> The VENDOR shall provide dedicated IP CCTV camera(s) in the cage area to capture all the activities carried out <u>at the front and back of the rack</u>. The video feed should be stored for a period of three months and made available to the Bank online.
41	20	5.12	Point to Point Link	Communication is part of DC or DR	No Change The shortlisted VENDOR for providing co-location facility for the Bank's DC should provide the Point to Point link between DC and DR.
42	20	5.12.1	The VENDOR has to provide 2X16Mbps point to	It requires exact address of DR site to arrive	The Bank proposes to have DC at

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			point links between proposed Bank DC and DR. The links should be from two different service providers and the same would be terminated on L3 switches at both the locations and configured in active / active mode.	at feasibility and pricing.	Mumbai / Navi Mumbai and DR at Chennai. Further, the Bank would be short-listing DC and DR vendors in the same tender. Hence, the address of DR would be provided to the shortlisted DC vendor after completion of short-listing process.
43	28	7.1.2	Should be either a Government Organization/ PSU/ PSE/ partnership firm or a limited Company under Indian Laws or /and an autonomous Institution approved by GOI/RBI promoted.	Can they allow Pvt. Limited companies under company act?	Yes
44	29	7.1.2(7)	a) The bidder must be providing Data center co-location and hosting facility to at least 10 customers and are operating from its data centers in India as on RfP date. b) Of the above submitted credentials, atleast one (1) credential should be of a BFSI Organization in India who have co-located / hosted their Data Centre or Near Disaster Recovery (NDR) Site or Disaster Recovery site.	Can this criterion be relaxed in terms of number of customers? Can you consider non BFSI Organisation also?	No Change
45	29	7.1.2(8)	The proposed Data Center should be owned and operated by the bidder. No Partnership / Consortium is allowed.	We request SIDBI to allow Bidder to bid along with its 100% subsidiary company in partnership or consortium.	No Change
46	60	7	a) The bidder must be providing Data center co-location and hosting facility to at least 10 Companies at its data centers in India as on RfP date. b) Of the above submitted credentials, one (1) credential should be from BFSI, Organization in India who have co-located / hosted their Data Centre or Near Site or Disaster Recovery site.	Please confirm possible deviation on this point on account of NDA with existing customers	No Change
47	NA	NA	NA	What is the expected RFS/ Go live date for the project - Please confirm on the tentative	The Bank will place order after completion of shortlisting process. The

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48				date for RFS. Can SIDBI share details of expected go-live dates for DC and DR?	bidder has to provide the facility as per timelines given in Section 10.11 of RfP .
49	NA	NA	NA	Please confirm on the rack wise power density	Currently, the approximate power density per rack will not exceed 6KW. However, there would be two high density racks at DC & DR. The bidder to note that, the Bank is subscribing for Metered power.
50	39	10.1.2	The Bank will reserve a right to re-negotiate the price and terms of the entire contract with the bidder at more favorable terms in case such terms are offered in the industry at the time of extension of contract.	Please clarify the Evaluation methodology. IF vendor will be L1 should there any scope of negotiations?	Please refer to Section 8 of RfP (Evaluation Methodology).
51	39	10.4.1	Payment for Co-location Services and Seating Space	Quarterly Advance for Colo & power charges monthly	No Change.
52		Request you to consider the following payment terms: 1) & 2) Vendor payments against Services rendered shall be in advance – monthly or quarterly Only variable charges, if any, shall be in arrears – monthly or quarterly. 3) Bills at vendor are issued in 15 days advance to the billing cycle			
53	40	10.4.3.	Payment of Power Charges Power charges will be payable quarterly (on actual power consumed by the Bank) in arrears on submission of: 1. Power meter readings / verification sheet by SIDBI official / SIDBI authorised personnel. 2. Tariff table from respective electricity service provider. 3. Invoices	Here you mentioned about “. Tariff table from respective electricity service provider” <ul style="list-style-type: none"> Do you mean to say that you will be paying only as per Unit Rate defined by electricity service provider on date of Billing/Invoice OR rate on date of quarter start or rate on date of Quarter end? Instead of above, Can you allow bidder to quote rate for power in commercial 	Please refer table -3 in Section 12.4.1(c) of commercial bid. For estimated power consumption, please refer S.N.49 above.

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				bid? • What is estimated power consumption for each server rack and network Rack?	
54	71	Annexure -IV	Commercial Bid	Power Calculation formula required some changes	Revised Commercial bid format attached.
55	40	10.4.8	All the payments will be made in India Rupee only, by respective centres of the Bank electronically through RTGS/ NEFT within 30 days from date of receipt of undisputed invoice along with credit note/invoice, if applicable. Hence, Bidder to submit Bank Mandate Form (as per Annexure –XI) along with cancelled Cheque in original with Minimum Eligibility bid.	"Request you to add the clause as below: Disputes, if any, on invoices, shall be intimated by the Bank to vendor in written notice of seven (7) days from receipt of the Invoice, failing which it shall be construed that Invoices are in order with no fault."	No Change
56	40	10.4.10	The Bank shall have the right to withhold any payment due to the Bidder, in case of delays or defaults on the part of the Bidder. Such withholding of payment shall not amount to a default on the part of the Bank.	"Request you to accept the following: Any Service defaults, failures shall be entitled for Service credits as per agreed SLA only."	No Change
57	44	10.11.1	Project Timelines	Pl. clarify more details about shifting and Ownership about Migration.	Please refer Section 5.9 of the RfP.
58	52	11.30	VENDORS aggregate liability under the contract shall be limited to a maximum of the contract value. This limit shall not apply to third party claims for: 1. IP Infringement indemnity. 2. Bodily injury (including Death) and damage to real property and tangible property caused by VENDOR's gross negligence. For the purpose for the section, contract value at any given point of time, means the aggregate value of the purchase orders placed by bank on the vendor that gave rise to claim, under this tender. VENDOR shall not be liable for any indirect, consequential, incidental or special damages under the agreement/ purchase order.	Request you to Accept the following: 1) This Section must be mutual on reciprocal grounds. 2) Indemnity should be only for direct loss or damages arising out of gross negligence or willful misconduct of vendor which are well covered in subsequent point under this Section.	Change <u>The clause to be read as:</u> "VENDORS aggregate liability under the contract shall be limited to a maximum of the contract value. This limit shall not apply to third party claims for: 1. IP Infringement indemnity. 2. Bodily injury (including Death) and damage to real property and tangible property caused by VENDOR's gross negligence. For the purpose for the section, contract value at any given point of time, means the aggregate value of the purchase

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					orders placed by bank on the vendor that gave rise to claim, under this tender. VENDOR shall not be liable for any indirect, consequential, incidental or special damages under the agreement/ purchase order".
59	47	11.12	Bidder will provide an undertaking to comply with the provisions of the Information Security Policy of the Bank. The same will be provided to the successful bidder.	We do have our own ISMS policy to adhere. NMIT will share the policy. Request to accept the same.	The Bank will share the IS policy with successful bidder to ensure implementation of ISMS compliance for SIDBIs DC/DR.
60	49	11.19	The Bank clarifies that the Bank shall be entitled to an injunction, restraining order, right for recovery, specific performance or such other equitable relief as a court of competent jurisdiction may deem necessary or appropriate to restrain the Bidder from committing any violation or enforce the performance of the covenants, obligations and representations contained in this RFP. These injunctive remedies are cumulative and are in addition to any other rights and remedies the Bank may have at law or in equity, including without limitation a right for recovery of any amounts and related costs and a right for damages.	Clause is unilateral. Request to make Bi-lateral. Unquantified 'damages' are seen in this clause - What are the limits of such 'damages'?	Change <i>The clause stands revised as under:</i> "The Bank clarifies that the Bank shall be entitled to an injunction, restraining order, right for recovery, specific performance or such other equitable relief as a court of competent jurisdiction may deem necessary or appropriate to restrain the Bidder from committing any violation or enforce the performance of the covenants, obligations and representations contained in this RFP. These injunctive remedies are cumulative and are in addition to any other rights and remedies the Bank may have at law or in equity.
61	51	11.27	Grievances Redressal Mechanism - Bank has a grievances Redressal mechanism for its customers and designated grievances Redressal officers. The bank would use the same mechanism to address the grievances, if any, of the customers related to the services being rendered within the ambit of this RfP.	Provision is for BANK's Customers. This contract shall be out of purview of that grievance Redressal mechanism made for Bank's CUSTOMER. We should have a steering committee in place for amicable settlement of disputes at first instance.	This Clause stands deleted.
62	71	Annexure -IV	Commercial Bid	What is electrical cabling which is mentioned in One Time charges? Power	The item is removed from the one-time charges.

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				cables will be provided by SIDBI and Vendor has to plug in those devices in PDU?	
63	61	12.2.3(8)	The proposed Data Center should be owned and operated by the bidder. No Partnership / Consortium is allowed.	Kindly amend the clause to "The proposed Data Center should be owned/Leased and operated by the bidder".	Change <i>The revised clause to be read as:</i> "The proposed Data center building should be owned by bidder or on lease with unexpired lease duration of at least 12 years as on RfP date. No Partnership / Consortium is allowed."
64	64	12.3.1(9)	Freight Lift - The data center should have high capacity freight lift for ease of movement of servers and high-density network devices.	Freight Lift/scissor lift - The data center should have high capacity freight lift for ease of movement of servers and high-density network devices.	Change <i>The revised clause to be read as:</i> "Freight Lift / Scissor lift- The data center should have high capacity freight / scissor lift for ease of movement of servers and high-density network devices".
65	72	12.4	Annexure –IV: Commercial Bid - Part A and B	Does Vendor has to consider transit insurance in Lift and shift charges	Transit insurance will be reimbursed on actual. The details of equipment along with current asset value for insurance purposes will be provided to the shortlisted bidder. The insurance should be in the name of the bank.
66	NA	NA	Additional by bidder	Please Specify the Link migration is in SIDBI's scope?	Migration of WAN and Internet links is not under the scope of RfP. The same will be carried out by respective link service provider(s). However, the bidder should ensure that, the MUXs from the service providers as stated in RfP should be available at the co-location facility.
67		12.4.(1.a)	Table -1: DC Co-location Charges	Do you want bidder to quote Annual Unit	Clarification

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				Cost (for One Quantity) under column Band C? OR You require bidder to quote under column B and C for total quantity specified in column A? If you are asking for Unit cost, then quantity should also be multiplied to unit cost.	Revised Commercial Bid Format Attached.
68		12.4(1.b)	Table -2: Seating Space Charges	Do you want bidder to quote Annual Unit Cost (for One Quantity) under column Band C? OR You require bidder to quote under column B and C for total quantity specified in column A? If you are asking for Unit cost, then quantity should also be multiplied to unit cost.	Revised Commercial Bid Format Attached.
69	71	12.4(1.c)	Table -3: Power Charges	Request to provide details on the Billing of the racks to be done on metered basis or on rated power?	Metered basis.
70		12.4(1.d)	Table -4: P2P Link Charges	Do you want bidder to quote Annual Unit Cost (for One Quantity) under column Band C? OR You require bidder to quote under column B and C for total quantity specified in column A? If you are asking for Unit cost, then quantity should also be multiplied to unit cost.	Revised Commercial Bid Format Attached.
71	72	12.4. (3)	Optional Charges	Do you want bidder to quote Annual Unit Cost (for One Quantity) under column B and C? OR You require bidder to quote under column B and C for total quantity specified in column A? If you are asking for Unit cost, then quantity should also be multiplied to unit cost. (It appears that you mentioned total cost as [C = A + B] instead of [C= A x D], Kindly check and revert).	Revised Commercial Bid Format Attached.

S.N.	Page No	Section No	RfP Clause	Bidder Query / Suggestions	SIDBI Response
72	73	12.4.(3.c)	Beyond Five Years of Contract(Valid for next five years)	It appears that in total cost you mentioned [C = (A + D) X5] instead of [C = (A X D) X5], kindly check.	Revised Commercial Bid Attached.
73	99	13.2	Appendix-ii (List of items at DC and DR)	Request to share rack wise rated power information to conclude on per Rack power details	Currently, the approximate average power density per rack would be 6KW.
74				Please share Rack wise rated power circuits needed per Rack?	The bidder to note that, the Bank is subscribing for Metered power.
75	99	13.2(1)	Appendix -ii: -List of Items at DC and DR: 1. SAN Storage HPE 2. SAN Storage Work 3. SAN controller HSV 300 4. HP Storage SAN Switch	Kindly provide the Detailed Make and Model for this Inventories	Refer Appendix-ii of RfP.
76	99	13.2	Appendix -ii: -List of Items at DC and DR	Please Clarify there are no electrical equipment that need power connectivity directly to commando socket circuits. All devices to be plugged in to PDU?	Currently, all the equipment are connected to PDU in the rack. However, during the period of contract there might be requirement depending upon additions carried out by the Bank.
77	NA	NA	Addition by bidder	Would you be considering application GST rate (as per at time of billing) in case there in any changes?	Refer Section 10.3 of RfP
78	NA	NA	Addition by bidder	As there is no RPO and RTO not mentioned in RFP we assumed it will be Maintained by SIDBI and will not be in Scope of DC and DR Vendor	Not in scope of current RfP
79	NA	NA	Addition by bidder	Kindly confirm Internet bandwidth required at DC site for SIDBI End Users/ Customers?	Not in scope of current RfP
80	NA	NA	Addition by bidder	kindly confirm does VENDOR need to procure Public IP's if yes kindly confirm the total number of Public IP's required	Not in scope of current RfP.
81	NA	NA	Addition by bidder	kindly confirm in case of hardware failure who will be responsible for log a call to OEM?	The Bank and / or its authorized partner will be coordinating with the OEM for hardware failure.
82	NA	NA	Addition by bidder	Are there any links which will be needing fiber cross connect?	Currently, there are no service provider links which require fiber. However, there may be such need

S.N.	Page No	Section No	RfP Clause	Bidder Query / Suggestions	SIDBI Response
					during the contract period, which would be addressed using contracted rate.
83	NA	NA	Addition by bidder	During physical migration of equipments for current DC to vendor DC, there will be downtime for their IT services. How much downtime SIDBI can allow and is there stop gap arrangement while physical migration that is planned by bank	The Banks operations will be shifted to DR site during DC migration. The detailed DC migration plan/downtime will be discussed and defined with selected bidder.
84	NA	NA	Addition by bidder	Can we suggest an alternative location for DR setup?	No Change
85	NA	NA	Addition by bidder	Please share item wise depreciated values of assets to be considered for migration. This is required for transit insurance cost estimation	The details will be shared with shortlisted bidder to enable them to take transit insurance.
86	51	11.26	Audit	Request you to add the clause as below: <ol style="list-style-type: none"> SIDBI may have right to audit the services contracted (Master Services Agreement and/or Service Order Form(s)) by SIDBI with vendor. SIDBI may audit and check vendor's documents, processes and protocol, excluding books of accounts, pertaining to the services contracted with vendor. Information/ reports merely pertaining to contracted services shall be shared with SIDBI. SIDBI shall notify vendor with at least seven days' prior written notice for such audit. The scope and timelines of the audit shall be mutually agreed between SIDBI and vendor in writing. The commercials of the Audit shall be paid by the SIDBI depending on the 	<ol style="list-style-type: none"> No Change Generally prior intimation will be given to the bidder. However, there may be certain occasions w.r.t audit carried out by RBI / other regulatory & statutory authorities where in advance notice may not be possible. With respect to scope of audit refer to Section 11.25 and 11.26 of the RfP. Timelines of audit will be discussed on case to case basis. Since such audits shall be carried out on / for behest of SIDBI, the cost will not be borne by the vendor. However, the cost for facilitating the audit at the facility (DC/DR), if any shall be borne by the vendor.

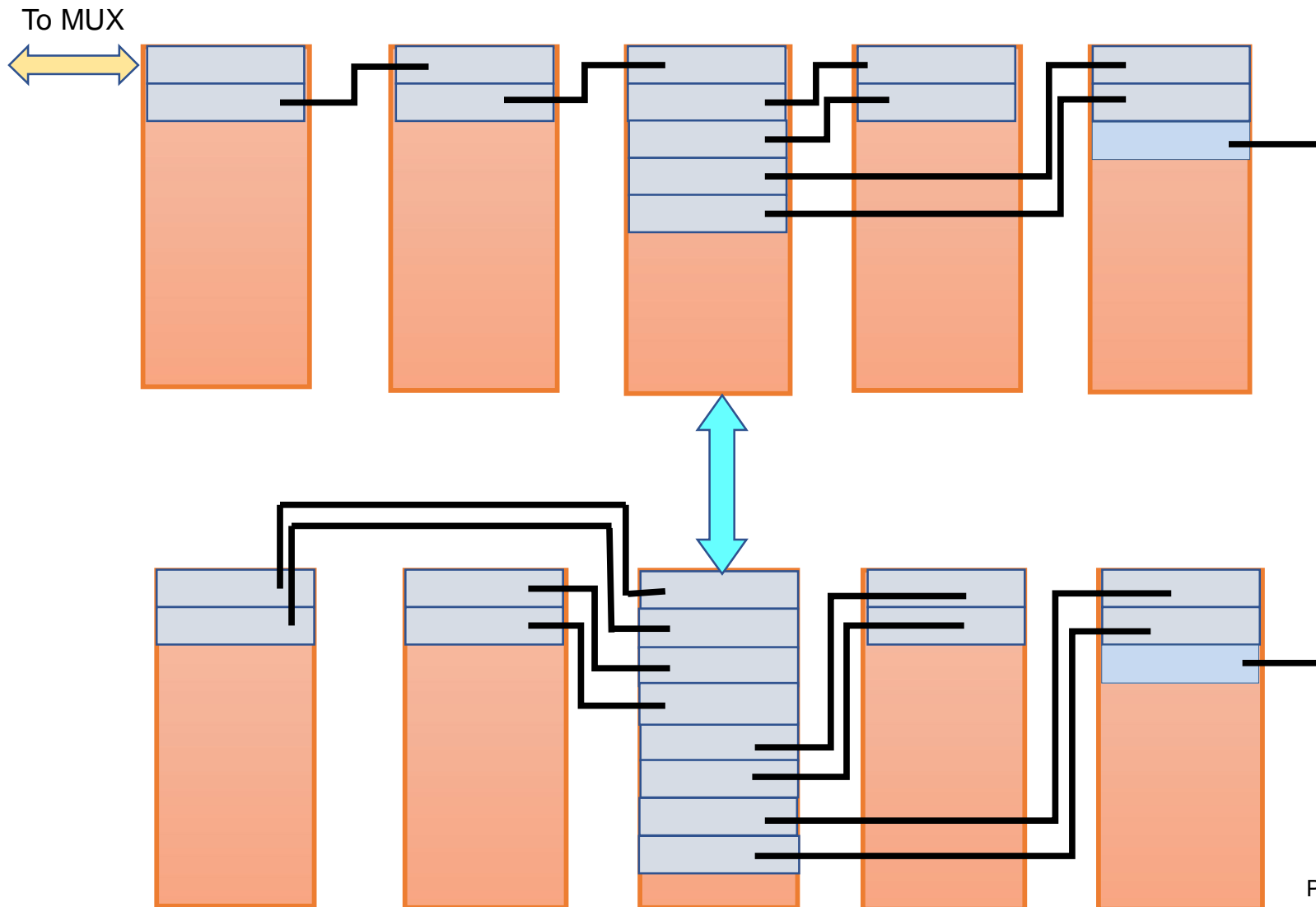


Clarifications to Pre-bid Queries

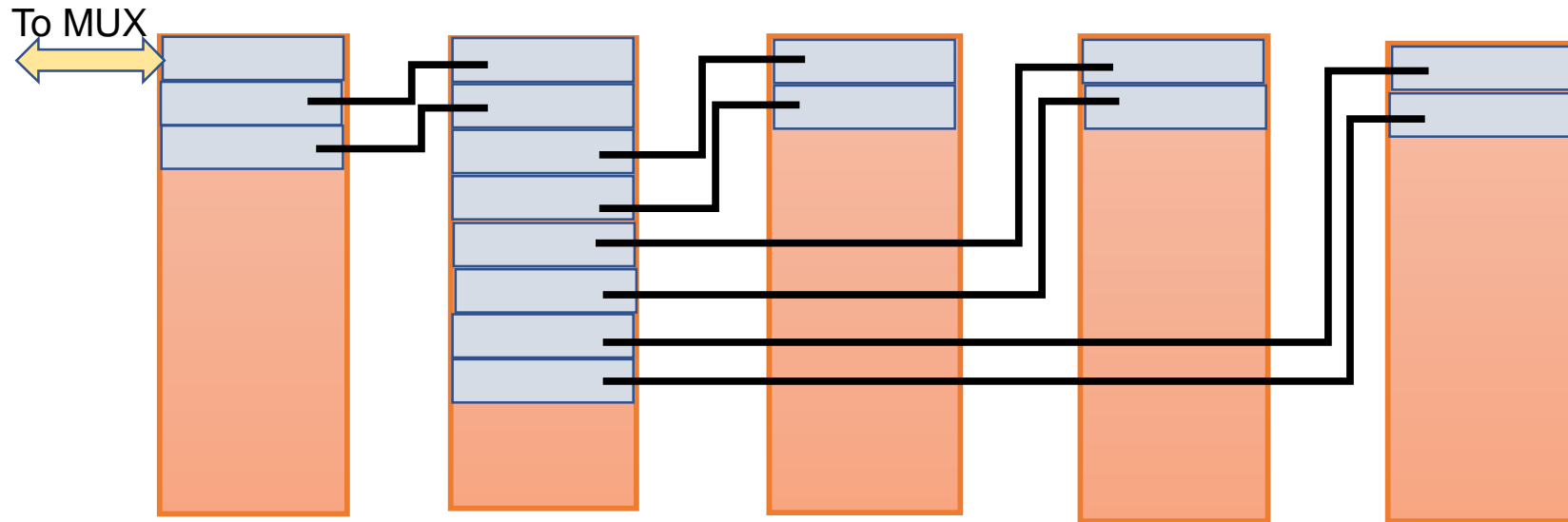
S.N.	Page No	Section No	RfP Clause	Bidder Query / Suggestions	SIDBI Response
				agreed scope. 5. If errors or deficiencies in the services are identified by an audit or otherwise, the findings shall be discussed by the Parties in good faith and if required vendor shall take prompt corrective action and advice SIDBI thereof.	5. Agreed.
87	4	1.(4 & 5)	Last date for submission of bids is February 21, 2018, 1600hrs and Date & Time of Opening of Minimum Eligibility bid & Technical bid is February 21, 2018, 1630hrs.	Can you extend bid submission timeline by another 10 days?	Last date for bid submission extended till March 05, 2018, 1600hrs. The date and time of opening of minimum eligibility and technical bids is March 05, 2018, 1630hrs.
88				Please extend bid submission date by 10 working days	

Note: All other terms and conditions of RfP remain unchanged.

Data Center Inter-rack Cabling Layout



DR Site Inter-Rack Cabling



24 Port Cat 6A Patch Panel



24 Pair, CAT 6A Cable



Fiber cable for Core and ToR Switch Connectivity, will be provided by Bank.

Details of Hardware with Power Socket Details

1. Data Center

a) Power Socket Details

S.N.	Hardware Details		Qty.	Rack Space per Device	Power Socket Details		Rated Power Per SMPS \$\$
	Make	Model No.			Type	Number of SMPS per Device	
A. UNIX Servers							
1	HPE	HP-RX6600	3	7U	C-19, 16A	2	1600W
B. Blade Server							
1	DELL	Dell M1000e (with 8 blades)	1	10U	C-19, 16A	6	3000W
2	HPE	HP ProLiant C3000 (with 6 blades)	1	6U	C-13, 10A	6	1200W
3	HPE	HP ProLiant C3000 (with 7 blades)	1	6U	C-13, 10A	6	1200W
C. RACK Server							
1	HPE	HP PROLIANT DL380 G7	2	3U	C-13, 10A	2	460W
2	HPE	HPE ProLiant DL380 Gen 9	2	2U	C-13, 10A	2	500W
3	DELL	Dell Power Edge R710	2	2U	C-13, 10A	2	570W
4	HPE	HPE ProLiant DL380 Gen 9	9	2U	C-13, 10A	2	500W
5	HPE	HP ProLiant DL380 G6 (HP Storage work 1800)	1	2U	C-13, 10A	2	750W
6	HPE	IBM xseries 346	1	2U	C-13, 10A	1	600W
7	DELL	Dell Poweredge R530	1	2U	C-13, 10A	2	750W
8	IBM	IBM XSERIES 336	1	1U	C-13, 10A	1	750W
9	HPE	HP ProLiant DL360 G6	1	1U	C-13, 10A	2	852W
10	HPE	HP PROLIANT DL360 G5	2	1U	C-13, 10A	2	852W
11	IBM	IBM X3250 M4	1	1U	C-13, 10A	1	300W
D. SAN Storage							
1	DELL	DELL SC8000	1	12U	C-13, 10A	12	750W
2	HPE	SAN Storage Work	1	2U	C-13, 10A	2	575W

S.N.	Hardware Details		Qty.	Rack Space per Device	Power Socket Details		Rated Power Per SMPS \$\$
	Make	Model No.			Type	Number of SMPS per Device	
3		SAN controller HSV 300	1	2U	C-13, 10A	2	575W
4		HP Storage SAN Switch	2	1U	C-13, 10A	1	75W
5	HPE	Ultrium 1840	1	1U	C-13, 10A	1	125W
E. Video Conferencing Equipment							
1	Polycom	Polycom-RMX-1500	2	1U	C-13, 10A	1	750W
2		Polycom RSS 4000	1	2U	C-13, 10A	2	700W
3		Polycom-DMA	1	1U	C-13, 10A	2	750W
4		Polycom-RPAD	1	1U	C-13, 10A	2	750W
5		Polycom-RPRM	1	1U	C-13, 10A	2	750W
6	Radvision	MCU	1	1U	C-13, 10A	1	360W
F. Tape Library							
1	SUN	SUN SL500	1	16U	C-13, 10A	4	500W
G. Network Hardware (Switches)							
1	HPE	7904	2	2U	C-13, 10A	2	1800W
2		5930	6	2U	C-13, 10A	2	400W
3		5130HI	4	1U	C-13, 10A	1	107W
4		HP 2530-24G	2	1U	C-13, 10A	1	247W
H. Security Devices							
1	Fortigate	3600C	2	4U	C-13, 10A	2	615W
2	Checkpoint	15400	2	2U	C-13, 10A	2	258W
3	Cisco	Sourcefire 7125	2	1U	C-13, 10A	2	450W
4	Fortigate	FA200D	1	1U	C-13, 10A	1	332W
5	Blue Coat	200 Series	2	1U	C-13, 10A	1	65W
6	CITRIX	Netscaler N5550	1	1U	C-13, 10A	1	822W
7	Fortigate	60E	1	1U	C-13, 10A	1	15W

S.N.	Hardware Details		Qty.	Rack Space per Device	Power Socket Details		Rated Power Per SMPS \$\$
	Make	Model No.			Type	Number of SMPS per Device	
I. Network Hardware (Routers)							
1	Cisco	3945	2	4U	C-13, 10A	2	540W
2		3845	2	4U	C-13, 10A	2	540W
3		1921	2	2U	C-13, 10A	2	70W
4		4321	2	2U	C-13, 10A	2	250W
5	Juniper	SSG140	2	2U	C-13, 10A	2	170W
6		SSG550	2	2U	C-13, 10A	2	420W
7	Radware	108(in process of replacement)	2	1U	C-13, 10A	1	150W

\$\$ Approximate maximum power rating.

b) Power Strip Requirement

- (i.) Each rack to be provided with two power strips
- (ii.) Each power strip [Hybrid] should contain **16 numbers of C-13,10A sockets and 4 numbers of C-19, 16A sockets.**
- (iii.) Dell M1000e Chassis to be provided with **pair of Commando Sockets.**

2. DR Site

a) Power Socket Details

S.N.	Hardware Details		Qty	Rack Space per Device	Power Socket Details		Rated power Per SMPS
	Make	Model No.			Type	Number of SMPS per Device	
A. Servers							
1	HPE	HP RX 6600 (Unix)	1	7U	C-19, 16A	2	1600W
2	HPE	HP PROLIENT DL380G6	3	2U	C-13, 10A	2	460W

S.N.	Hardware Details		Qty	Rack Space per Device	Power Socket Details		Rated power Per SMPS
	Make	Model No.			Type	Number of SMPS per Device	
3	HUAWEI	HUAWEI RH2288	2	2U	C-13, 10A	2	460W
4	DELL	DELL R710	3	2U	C-13, 10A	2	570W
5	DELL	DELL R530	2	2U	C-13, 10A	2	750W
6	HPE	HPE ProLiant DL380 Gen 9	5	2U	C-13, 10A	2	500W
7	IBM	IBM X 336	2	1U	C-13, 10A	1	585W
8	HPE	HPE Proliant DL360 GEN9	1	1U	C-13, 10A	2	500W
B. SAN Storage / switches and Tape Drive							
1	HPE	SAN EVA - 4400 Storage	2	4U	C-13, 10A	4	575W
2		Ultrium 1840 LTO 4 Tape Drive	1	2U	C-13, 10A	1	125W
3		Storage Works 8/8 SAN Switch	2	1U	C-13, 10A	1	75W
4	IBM	Ultrium 3580L11 TAPE DRIVE	2	2U	C-13, 10A	1	125W
5	HPE	3 PAR 8200 2N Storage	1	5U	C-13, 10A	5	1344W
6	DELL	Dell LTO6 200 Tape Drive	2	1U	C-13, 10A	1	125W
C. Security Devices							
1	Fortigate	FG 1200D firewall	2	2U	C-13, 10A	2	360W
2		FA200D	1	1U	C-13, 10A	1	450W
3	Checkpoint	Checkpoint 5900 NGTP	2	1U	C-13, 10A	2	165W
4	CITRIX	Citrix NetScaler	1	1U	C-13, 10A	1	822W
5	Blue Coat	SG 200	2	1U	C-13, 10A	1	450W
6	Fortigate	FG 60D	1	1U	C-13, 10A	1	65W
D. Network Switches							
1	HPE	7904	2	2U	C-13, 10A	2	1800W
2		5930	4	2U	C-13, 10A	2	400W

S.N.	Hardware Details		Qty	Rack Space per Device	Power Socket Details		Rated power Per SMPS
	Make	Model No.			Type	Number of SMPS per Device	
3		5130HI	4	2U	C-13, 10A	1	107W
4		HP -2530 - 24G	2	1U	C-13, 10A	1	247W
5	Cisco	3750X	1	1U	C-13, 10A	2	
E.	Network Hardware (Routers)						
1	Cisco	2951	2	2U	C-13, 10A	2	750W
2		1921	1	1U	C-13, 10A	2	250W
3		4321	2	2U	C-13, 10A	2	250W
4		800	2	1U	C-13, 10A	1	60W
5	Juniper	SSG140	1	2U	C-13, 10A	2	170W

\$\$ Approximate maximum power rating.

b) Power Strip Requirement

(i.) Each rack to be provided with two power strips

(ii.) Each power strip [Hybrid] should contain **16 numbers of C-13,10A sockets and 4 numbers of C-19, 16A sockets.**

Commercial Bid

PART A – Bank Data Center Co-location

1. RECURRING CHARGES

a. Table -1: DC Co-location Charges

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5
Co-location charges for DC (Racks with power strips, electrical cabling including commando socket pair).	10					

b. Table -2: Seating Space Charges

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5
Charges for Seating Space at DC (seats).	04					

c. Table -3: Power Charges

Description	kWh Per month	*Current Electricity Rate (indicative)	**Multiplication factor against the PUE for Power Charge	Annual Recurring Charge	Total Cost for Five Years
	A	B	C	D=AXBXCX12	E=DX5
Power Charges <ul style="list-style-type: none"> • Units mentioned are in KWh per month. • Will be paid on actual usage. 	21900	10			

* Current Electricity Rate and number of units mentioned above in the commercial bid is indicative for the TCO calculation purpose only. However, the power charges will be paid at actuals subject to submission of tariff table from respective electricity service provider.

** Bidder should quote only the Multiplication Factor against the PUE for power charges to cover the electricity consumption for devices, cooling, lighting, UPS power, consumption of diesel and all associated power heads. **This Multiplication factor will be fixed for the entire term of contract and extension(s), if any.**

d. Table -4: Dedicated IP CCTV Camera

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5

Clarifications to Pre-bid Queries

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5
IP CCTV camera(s) with accessories for storing the feed for a period of 3 months and online access to Bank.	To be specified by bidder					

e. Table -5: P2P Link Charges

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5
P2P link of 16Mbps capacity between DC and DR.	02					

2. ONE TIME CHARGES

S.N.	Description	Qty.	Unit Cost Details			Total Cost
			Cost	GST	Total	
		A	B	C	D=B+C	E = DXA
1	Caging charges to accommodate 12 racks (Lumsum).	LS				
2	Inter-rack network cabling charges (per rack)	10				
3	Cross connect charges (Copper)	20				
4	Lift and Shift Charges (LumSum)	LS				
5	Dedicated Biometric Access Control for cage.	01				
6	Total One Time Charges					

3. OPTIONAL CHARGES

a) During first five Years of Contract

(as and when required during the period of entire contract)

(i) These charges will be one-time charges, valid till the entire contract period including extensions thereof. Bank will not pay any recurring charges against these items. Quantity is for TCO calculation only.

(ii) Order will be placed on actual requirement as and when it arises.

S.N.	Description	Qty.	Unit Cost Details			Total Cost
			Cost	GST	Total	
		A	B	C	D=B+C	E = A X D
1	Inter-rack cabling charges (per rack)	1				
2	Cross connect charges (Copper)	1				
3	Cross Connect Charges (Fiber)	1				
4	Hands and Eye Support (24X7).	1				
5	Electrical Cabling charges with socket of 32amps (single phase)	1				

Clarifications to Pre-bid Queries

S.N.	Description	Qty.	Unit Cost Details			Total Cost
			Cost	GST	Total	
		A	B	C	D=B+C	E = A X D
6	Electrical Cabling charges with socket of 32amps (Three phase)	1				
7	Electrical Cabling charges with socket of 63amps (single phase)	1				
8	Power strip with 16 numbers of IEC C-13, 10A and 4 numbers of C-19, 16A. (per strip)	1				
9	Dedicate IP CCTV camera.	1				
10	P2P bandwidth 32Mbps	2				
11	P2P bandwidth 64Mbps	2				
12	Patch Panel (24 Port) – supporting 10G	1				
13	UTP cable (supporting 10G) 1 box (305m) with laying charges.	1				
14	UTP patch Chord (CAT6)– 5mts	25				
15	ATS with cabling till rack.	1				
16	Total Optional Charges					

b) Co-location of Single Rack in Data Center (Non-caged area)

- (i) These charges will be recurring, valid till the entire contract period. Quantity is for TCO calculation only.
- (ii) Order will be placed on actual requirement as and when it arise.

S.N.	Description	Qty.	Unit Cost Details		
			Cost	GST	Total
		A	B	C	D=B+C
1	Cost of co-location of single rack (non-caged) inclusive of network cabling from the rack to caged area and electrical cabling. {Power charges will be paid on actuals}.	1			

c) Beyond Five Years of Contract (Valid for next five years)

(i) Co-location and Seating Charges

S.N.	Description	Qty.	Unit Cost Details per Annum			Cost per Annum	Total Cost
			Cost	GST	Total		
		A	B	C	D=B+C	E=A X D	F = E X 5
1	Co-location charges for DC. (Racks with power strips and electrical cabling).	10					
2	Charges for Seating space (DC).	04					
3	Cost of co-location of single rack (non-caged) inclusive of	01					



Clarifications to Pre-bid Queries

S.N.	Description	Qty.	Unit Cost Details per Annum			Cost per Annum	Total Cost
			Cost	GST	Total		
		A	B	C	D=B+C	E=A X D	F = E X 5
	network cabling from rack to caged area and power cabling. {Power charges will be paid on actuals}.						
4	P2P link charges for 16Mbps.	02					
5	Total co-location and seating space charges						

(ii) **Power Charges**

Description	kWh per Month	*Current Electricity Rate (indicative)	**Multiplication factor against the PUE for Power Charge	Annual Recurring Charge	Total Cost for Five Years
	A	B	C	D=AXBXCX12	E=DX5
Power Charges	21900	10			

$TCO = \text{Recurring Charges} + \text{One Time Charges} + \text{Optional Charges}$
--

Date Signature of Authorised Signatory

Name of the Authorised Signatory

Place

Designation

Seal.....

PART B – Bank DR Site Co-location

1. RECURRING CHARGES

a. Table -1: DR Co-location Charges

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5
Co-location charges for DR (Racks with power strips and electrical cabling).	05					

b. Table -2: Seating Space Charges

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5
Charges for Seating Space at DR (seats).	01					

c. Table -3: Power Charges

Description	kWh Per month	*Current Electricity Rate (indicative)	**Multiplication factor against the PUE for Power Charge	Annual Recurring Charge	Total Cost for Five Years
	A	B	C	D=AXBXCX12	E=DX5
Power Charges <ul style="list-style-type: none"> • Units mentioned are in KWh per month. • Will be paid on actual usage. 	21900	10			

* Current Electricity Rate and number of units mentioned above in the commercial bid is indicative for the TCO calculation purpose only. However, the power charges will be paid at actual subject to submission of tariff table from respective electricity service provider.

** Bidder should quote only the Multiplication Factor against the PUE for power charges to cover the electricity consumption for devices, cooling, lighting, UPS power, consumption of diesel and all associated power heads. **This Multiplication factor will be fixed for the entire term of contract and extension(s), if any.**

d. Table -4: Dedicated IP CCTV Camera

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5
IP CCTV camera(s) with accessories for	To be specified					

Clarifications to Pre-bid Queries

Description	Qty.	Unit Cost Details Per Annum			Total Cost per Annum	Total Cost for Five Years
		Cost	GST	Total		
	A	B	C	D=B+C	E=DXA	F=EX5
storing the feed for a period of 3 month, providing online access to Bank and monitoring by the VENDOR.	by bidder					

2. ONE TIME CHARGES

S.N.	Description	Qty.	Unit Cost Details			Total Cost
			Cost	GST	Total	
		A	B	C	D=B+C	E = DXA
1	Caging charges to accommodate 07 racks (Lumsum).	LS				
2	Inter-rack network cabling charges (per rack)	05				
3	Cross connect charges (Copper)	15				
4	Lift and Shift Charges (LumSum)	LS				
5	Dedicated Biometric Access Control for cage.	01				
6	Total One Time Charges					

3. OPTIONAL CHARGES

a) During first five Years of Contract (as and when required during the period of entire contract)

- (i) These charges will be one-time charges, valid till the entire contract period including extensions thereof. Bank will not pay any recurring charges against these items. Quantity is for TCO calculation only.
- (ii) Order will be placed on actual requirement as and when it arise.

S.N.	Description	Qty.	Unit Cost Details			Total Cost
			Cost	GST	Total	
		A	B	C	D=B+C	E= DXA
1	Inter-rack cabling charges (per rack)	1				
2	Cross connect charges (Copper)	1				
3	Cross Connect Charges (Fiber)	1				
4	Hands and Eye Support (24X7).	1				
5	Electrical Cabling charges with socket of 32amps (single phase)	1				
6	Electrical Cabling charges with socket of 32amps (Three phase)	1				
7	Electrical Cabling charges with socket of 63amps (single phase)	1				
8	Power strip with 16 numbers of IEC C-13, 10A sockets and 4 numbers of	1				

Clarifications to Pre-bid Queries

S.N.	Description	Qty.	Unit Cost Details			Total Cost
			Cost	GST	Total	
		A	B	C	D=B+C	E= DXA
	C-19, 16A sockets. (per strip)					
9	Dedicate IP CCTV camera.	1				
10	P2P bandwidth 32Mbps (per link)	1				
11	P2P bandwidth 64Mbps (per link)	1				
12	Patch Panel (24 Port) – supporting 10G	01				
13	UTP cable (supporting 10G) 1 box with laying charges	01				
14	UTP Patch Chord (CAT6) – 5Mts	25				
15	ATS with cabling upto rack.	1				
16	Total Optional Charges					

b) **Co-location of Single Rack in Data Center (Non-caged area)**

- (i) These charges will be recurring, valid till the entire contract period. Quantity is for TCO calculation only.
- (ii) Order will be placed on actual requirement as and when it arises.

S.N.	Description	Qty.	Unit Cost Details		
			Cost	GST	Total
		A	B	C	D=B+C
1	Cost of co-location of single rack (non-caged) inclusive of network cabling from the rack to caged area and power cabling. {Power charges will be paid on actuals}.	1			

c) **Beyond Five Years of Contract (Valid for next five years)**

(i) **Co-location and Seating Charges**

S.N.	Description	Qty.	Unit Cost Details per Annum			Cost per Annum	Total Cost
			Cost	GST	Total		
		A	B	C	D=B+C	E=A X D	F = E X 5
1	Co-location charges for DR. (Racks with power strips and electrical cabling).	05					
2	Charges for Seating space (DR).	01					
3	Cost of co-location of single rack (non-caged) inclusive of network cabling from rack to caged area and power cabling. {power charges will be	01					

Clarifications to Pre-bid Queries

S.N.	Description	Qty.	Unit Cost Details per Annum			Cost per Annum	Total Cost
			Cost	GST	Total		
		A	B	C	D=B+C	E=A X D	F = E X 5
	<i>paid on actuals}</i> .						
4	P2P link charges for 16Mbps.	02					
5	Total co-location and seating space charges						

(ii) Power Charges

Description	kWh per Month	*Current Electricity Rate (indicative)	**Multiplication factor against the PUE for Power Charge	Annual Recurring Charge	Total Cost for Five Years
	A	B	C	D=AXBXCX12	E=DX5
Power Charges	21900	10			

$$\text{TCO} = \text{Recurring Charges} + \text{One Time Charges} + \text{Optional Charges}$$

Date _____
Signature of Authorised Signatory _____

Name of the Authorised Signatory _____

Place _____

Designation

Seal.....