Pragathi Krishna Gramin Bank - RFP for procurement of blade servers Addendum 2 - Appendix 01 - Bill of Materials (RFP no. PMO:RFP:4/2018-19)

<u>Important Instructions: All Bidders have to compulsorily adhere to the following:</u>

<u> </u>	nportant instructions. An bluders have to compaisonly duniere to the following.
- 1	Overall
1	The bidder is expected to quote the costs for all items required for fully complying with the requirements of the RFP and the addenda in the respective
	sections of the price bid. The prices for the respective sections would be deemed to include all components required to successfully implement and maintain
	the solution for the contract period.
2	Bank is not responsible for any arithmetic errors in the commercial bid details sheet committed by the shortlisted bidders, however, if there are any
	computational errors the Bank will evaluate the Bid as per provisions contained under RFP document.
3	The bidder is expected to specify the type of licences along with the details with respect to quantity/rate/etc, wherever applicable
	In case the bidder includes/combines any line item as part of any other line item in the commercial bid, then this has to be clearly mentioned in the
	description indicating the line item which contains the combination
5	The bidder has to quote for each line item. If any line item is part of the solution proposed in the RFP response, it has to be referenced. If it is not applicable,
	then the Bidder has to mention Not Applicable (NA).
6	Refer to the RFP for the tax details, thus certain Tax information is to be mentioned separately in this Bill of Material. The TAX TYPE and PERCENTAGE should
-	be clearly mentioned in the masked and the unmasked versions of the Bill of Materials.
7	The Bidder may insert additional line items as applicable based on the solution offered in the respective tabs
	The Bidders should quote as per the format of Bill of Materials ONLY and a masked replica of the Bill of Materials should be enclosed in the technical bid.
	The bladers should quote as per the format of bin of Materials ONE? and a masked replica of the sin of Materials should be challed a fine technical should
9	Bidder is required to cover component by component licensing details for each of the hardware and software components proposed to the Bank.
10	The masked Bill of Materials which would be submitted as part of the Technical Bill of Material should contain "XX" for ALL the corresponding commercial
10	values that will be present in the unmasked Bill of Material that will be part of the Commercial submission.
11	Values trat will be present in the unimased bill of independent of the present of the present in the unimased bill of independent of the present of the pres
	Quantities intervioled in tea 2 should be intermental over tear 1, fear 3 should be intermental over tear 2 and 30 on. All amounts in the Bill of Material should be in INR
	An amounts in the birror whaterial should be in link
_	Solution Proposed in the RFP response, it has to be referenced. If it is not applicable,
1	
_	then the Bidder has to mention Not Applicable (NA).
	The Bidder can insert additional line items as applicable based on the solution offered in the various tabs
	The license type has to be clearly described in the description column
	All installation charges for application, database and OS have to be quoted separately, as applicable.
	Hardware DC - DR
1	
	a. Model / Make of the Hardware
	b. Latest Release (Make and model) in the series/product family including Hardware class (Ex: Entry level, Medium level, Enterprise level)
	c. No. of Nodes including No. of Cores/node and No. of RAM/node
	d. Processor quantity, frequency, Cache memory
	e. Memory quantity, total memory
	f. Operating system
	g. NIC quantity, make
	h. Other critical components
3	The bidder has to quote for each line item. If any line item is part of the solution proposed in the RFP response, it has to be referenced. If it is not applicable,
	then the Bidder has to mention NA.
4	Any installation & commissioning charges for hardware have to be quoted separately
IV	Waranty and AMC
1	All the hardware proposed should by covered under warrenty for a minimum period of 3 years; Post this the bidder should quote AMC for the remaining
	period of the contract
2	All the software proposed should be covered under warranty for a minimum period of 1 year; Post this the bidder should quote ATS for the remaining
	period of the contract
3	The AMC costs for the Production DC & DR, test & development have to be quoted separately
	The AMC and ATS cost for individual hardware/applications/database/OS has to be quoted in separate line items in this section. The Bidder has to create
	additional line items in this section if required
5	The Tax details are to be mentioned separately as per the RFP guidelines.
	The bidder should have a back lining arrangement from the OEM for both hardware and software proposed under this RFP and the respective OEM cost for
ľ	making their direct support available to the Bank must be included in the RFP

The Bidder is expected to quote the costs for all items required for fully complying with the requirements of the RFP in the respective sections of the price bid. The prices for the respective sections would be deemed to include all components required to successfully implement and maintain the solution for the period of the contract.

SUMMARY OF COSTS

	Items	Year 1	Year 2	Year 3	Year 4	Year 5	Total Amount	Total Tax	Total Amount Including Tax (INR)
a.	DC-DRC hardware cost								
b.	Software cost								
L									
c.	Implementation Cost								
d.	AMC & ATS								
<u> </u>									
e.	Buy back cost								
L									
f.	Optional cost								
L									
	TOTAL COST OF OWNERSHIP (TCO)								

All the prices of this document should flow correctly from the respective sheets

DC-DRC Hardware Cost

Data Centre Hardware (DC)

					Year	1	Year	2	Year	3	Year	4	Yea	ır 5				
Item	Category	Part Number	Description		Rate (INR)		Qty Rate (INR)			Total Amt (INR)		Total Amt (INR)		e Tota R) Amt (INR)	(INR)	Tax Type	Tax Value (INR)	Total Amount including Tax (INR)
Blade Servers				10		0		0		0		0		0	0			0
Blade Chassis				2		0		0		0		0		0	0			0
Blade Management Server						0		0		0		0		0	0			0
Blade I/O panel				2		0		0		0		0		0	0			0
Rack Servers for CTS outward application				2		0		0		0		0		0	0			0
Backup Solution - Tape Drive						0		0		0		0		0	0			0
Backup Solution - Backup Server						0		0		0		0		0	0			0
Backup Solution - Tape Library						0		0		0		0		0	0			0
Backup Solution - Tapes						0		0		0		0		0	0			0
Any other, please specify						0		0		0		0		0	0			0
Other DC Costs																		
Cabling						0		0		0		0		0	0			0
Cards						0		0		0		0		0	0			0
Any other, please specify						0		0		0		0		0	0			0
Total DC Production Environment Co	st					0		0		0		0		-	0			0

Disaster Recovery Site Hardware (DRC)

					Year	1	Year :	2		Year	3	Year	4		Year	5					
Item	Category	Part Number	Description	Qty	Rate (INR)		(INR)		-		Total Amt (INR)	Rate (INR)		-	(INR)	Total Amt (INR)	Total Amount (INR)	Tax Type	Tax Percentage	Tax Value (INR)	Total Amount including Tax (INR)
Blade Servers				8		0		0			0		0			0	0				0
Blade Chassis				2		0		0			0		0			0	0				0
Blade Management Server						0		0			0		0			0	0				0
Blade I/O panel				2		0		0			0		0			0	0				0
Rack Server for CTS outward application				1		0		0			0		0			0	0				0
PCI X HSM card for Rack Server for CTS outward application				1		0		0			0		0			0	0				0
Backup Solution - Tape Drive						0		0			0		0			0	0				0
Backup Solution - Backup Server						0		0			0		0			0	0				0
Backup Solution - Tape Library						0		0			0		0			0	0				0
Backup Solution - Tapes						0		0			0		0			0	0				0
Any other, please specify						0		0			0		0			0	0				0
Other DRC Costs																					
Cabling						0		0			0		0			0	0				0
Cards						0		0			0		0			0	0				0
Any other, please specify						0		0			0		0			0	0				0
Total DRC Production Environment (Cost					0		0			0		0			0	0)			0
Total Hardware Cost (DC and DRC)						0		0			0		0			0	O			0	0

Software Cost

Software Applications/Solutions for all environments

				,	Year 1		Y	ear 2		Year 3	Year	4	Year 5						
Items for Data Center	Type of License		Description along with the Version numbers of the licenses	Qty	Rate (INR)	Total Amt (INR)		ate Total NR) Amt (INR)		Rate Total Qty (INR) Amt (INR)		Total Amt (INR)			(5 years) (INR)	Tax Type	Tax Percentage		Total Amount including Tax (INR)
Operating System - Microsoft Windows Server	Datacenter Edition	88				0		0)	0		0		0	0				0
Database - Microsoft SQL Server	Enterprise Edition	32				0		0)	0		0		0	0				0
Microsoft SQL Server Software Assurance for three years		32				0		0)	0		0		0	0				0
Microsoft Windows Server Standard edition without SA for CTS outward application	Standard Edition	20				0		0)	0		0		0	0				0
Microsoft SQL Server Standard edition with SA for CTS outward application	Standard Edition	10				0		0)	0		0		0	0				0
Microsoft Windows Server Standard edition without SA for Backup server as part of Backup solution	Standard Edition	8				0		0)	0		0		0	0				0
Virtualization Software						0		0)	0		0		0	0				0
Virtual Machine Manager						0		0)	0		0		0	0				0
Backup Software License						0		0)	0		0		0	0				0
Data replication software license (between DC and DRC)	<u>'</u>					0		0)	0		0		0	0				0
Any Other, (Please specify)	<u>'</u>					0		0)	0		0		0	0				0
Total Software Cost for Data Center (A)						0		0)	0		0		0	0		0	0	0

					Year 1			Year 2		Year 3	Year 4		Year 5	5					
Items for Disaster Recovery Center	Type of License		Description along with the Version numbers of the licenses	Qty	Rate (INR)	Total Amt (INR)	Qty	Rate Tot (INR) An (INI	nt	Rate Total (INR) Amt (INR)	(INR)	Total Amt (INR)	Qty Rate (INR)		Total Amount (5 years) (INR)	Tax Type	Tax Percentage	Tax Value (INR)	Total Amount including Tax (INR)
Operating System - Microsoft Windows Server	Datacenter Edition	60				0			0	0		0		0	0				0
Database - Microsoft SQL Server	Enterprise Edition	24				0	1		0	0		0		0	0				0
Microsoft SQL Server Software Assurance for three years		24				0	1		0	0		0		0	0				0
Microsoft Windows server standard without Software Assurance for CTS outward application	Standard Edition	12				0	1		0	0		0		0	0				0
Microsoft SQL Server Standard edition without SA for CTS outward application	Standard Edition	10				0	1		0	0		0		0	0				0
Microsoft Windows Server Standard edition without SA for Backup server as part of Backup solution	Standard Edition	8				0			0	0		0		0	0				0
Virtualization Software						0	1		0	0		0		0	0				0
Virtual Machine Manager						0	1		0	0		0		0	0				0
Backup Software License						0	1		0	0		0		0	0				0
Any Other, (Please specify)						0	1		0	0		0		0	0				0
Total Software Cost for Disaster Recovery Center (B)						0			0	0		0		0	0		0		0
Total Software Cost (A+B)						0			0	0		0		0	0		0	C	0

Implementation Cost

		Year 1			Year 2			Year 3			Year 4			Year 5						
Other Applications	Base product cost	Percentage rate		Base product cost		Total Amt (INR)	Base product cost	Percentage rate		Base product cost	Percentage rate	Total Amt (INR)	Base product cost	Percentage rate	Total Amt (INR)	Total Amount (All years) (INR)	Tax Type	Tax Percentage		Total Amount including Tax (INR)
Installation of OS, DB and Hypervisor			0			0			0			0			0	0				0
Installation and configuration of VMs			0			0			0			0			0	0				0
Installation and configuration of DC-DRC replication			0			0			0			0			0	0				0
Any Other, (Please specify)			0			0						0			0	0				0
Total Implementation Cost (A)			0			0			0			0			0	0			0	0

Note:
The Bidder is expected to provide a detailed break up of all products and services that are under the scope of facilities management as part of the technical bild, in the technical bill of materials i.e. the above format is expected to be replicated for each item to be covered under the scope of facilities management.

AMC, ATS & Others

Software ATS Costs

		Year 1			Year 2			Year 3			Year 4			Year 5		1			
Other Applications	Base		Total Amt				Base product					Total Amt		Percentage		Total Amount			Total Amount including
	product cost	rate	(INR)	product cost	rate	(INR)	cost	rate	(INR)	product cost	rate	(INR)	product cost	rate	(INR)	(All years) (INR)	Percentage	(INR)	Tax (INR)
Application 1			0			0			0			0			0	0			0
Application 2		1	0			0			0			0			0	0			0
Application 3			0			0			0			0			0	0			0
Virtualization Software AMC			0			0			0			0			0	0			0
Any Other, (Please specify)			0			0			0			0			0	0			0
Total Other Applications ATS Cost (A)			0			0			0			0			0	0		0	0

AMC for Blade Server Hardware for DC and DRC

		Year 1			Year 2			Year 3			Year 4			Year 5						
AMC for Hardware & Other IT infrastructure	Base	Percentage	Total Amt	Base	Percentage	Total Amt	Base product	Percentage	Total Amt	Base	Percentage	Total Amt	Base	Percentage	Total Amt	Total Amount	Tax Type	Tax	Tax Value	Total Amount including
	product cos		(INR)	product cost		(INR)	cost	rate	(INR)	product cost	rate	(INR)	product cost	rate	(INR)	(All years) (INR)		Percentage	(INR)	Tax (INR)
Blade Server												0			0	0				
Blade Chassis												0			0	0				C
Management Server												0			0	0				
IO Panel												0			0	0				
Rack Servers												0			0	0				
PCI X HSM card												0			0	0				C
Backup Solution			1									0			0	0				
OEM Warrenty Cost		T										0			0	0				
Any other, please specify																				
Any other, please specify																				i
Total AMC Cost (B)												0			0	(0	
Total AMC and ATS Cost (A+B)																				

Note:
The Bidder is expected to provide a detailed break up of all products and services that are under the scope of facilities management as part of the technical bild, in the technical bill of materials i.e. the above format is expected to be replicated for each item to be covered under the scope of facilities management.

e. Optional items to be quoted in the RFP

DC-DRC Hardware and Software Cost

Data Centre (DC)

					Year	1	Ye	ar 2		Year	3	Year	4	Year	5					
ltem	Category	Part Number	Description			Total C Amt (INR)		te Tota R) Amt (INR)		(INR)	Total Amt (INR)	Rate (INR)		(INR)	Total Amt (INR)	(INR)	Tax Type	Tax Percentage	Tax Value (INR)	Total Amount including Tax (INR)
Rack Server (AML Application)				3		0		0			0		0		0	0				0
AMC Cost																				
Any other, please specify						0		0			0		0		0	0				0
Other DC Costs																				
Cabling						0		0			0		0		0	0				0
Cards						0		0			0		0		0	0				0
Any other, please specify						0		0			0		0		0	0				0
Total DC Production Environment Cost (A)						0		0)		0		0		0	0				0

Disaster Recovery Site (DRC)

					Year	1		Year	2	Yea	r 3		Year	4		Year	5				
Item	Category	Part Number	Description	Qty	(INR)	Tota Amt (INR)			Total Amt (INR)	(INR	Total (INR)		(INR)			(INR)	Total Amt (INR)	(INR)	Tax Type	 Tax Value (INR)	Total Amount including Tax (INR)
Rack Servers (AML application)				2		0			0		0			0			0	0			0
AMC Cost																					
Any other, please specify						0			0		0			0			0	0			0
Other DRC Costs																					
Cabling						0			0		0			0			0	0			0
Cards						0			0		0			0			0	0			0
Any other, please specify						0			0		0			0			0	0			0
Total DRC Production Environment Cost (B)						(0		0		0	ו		(0		0	0			0
Total Hardware and Software Cost (A+B)							0		0		C	o		(0		0	0		0	0

Hardware available for Buy back

Ту	pe of hardware			
#	In Data Center	Description of Blade and Processor	Quantity	Cost (Rs)
1	Blade Server (Type 1)	Cisco UCS B200 M2 series (Intel Xeon E5620 @ 2.4 GHz)	28	
2	Blade Server (Type 2)	Cisco UCS B200 M2 series (Intel Xeon E5680 @ 3.33 GHz)	3	
3	Blade Server Fabric Interconnect	Cisco UCS 6120XP 20 Port Fabric Interconnect	2	
4	Blade Server Fabric Extender	Cisco UCS 2104xp	6	
5	Blade Server Chassis	Cisco UCS 5108 Blade Server Chassis with 3 Power Supplies	3	
		Sub-total of Hardware in DC		
#	In Disaster Recovery Center	Description of Blade and Processor	Quantity	Cost (Rs)
	In Disaster Recovery Center Blade Server (Type 1)	Description of Blade and Processor Cisco UCS B200 M2 series (Intel Xeon E5620 @ 2.4 GHz)	Quantity 26	Cost (Rs)
1	•			Cost (Rs)
1	Blade Server (Type 1)	Cisco UCS B200 M2 series (Intel Xeon E5620 @ 2.4 GHz)	26	Cost (Rs)
1	Blade Server (Type 1) Blade Server (Type 2)	Cisco UCS B200 M2 series (Intel Xeon E5620 @ 2.4 GHz) Cisco UCS B200 M2 series (Intel Xeon E5680 @ 3.33 GHz)	26 3	Cost (Rs)
1	Blade Server (Type 1) Blade Server (Type 2) Blade Server Fabric Interconnect	Cisco UCS B200 M2 series (Intel Xeon E5620 @ 2.4 GHz) Cisco UCS B200 M2 series (Intel Xeon E5680 @ 3.33 GHz) Cisco UCS 6120XP 20 Port Fabric Interconnect	26 3 2	Cost (Rs)
1	Blade Server (Type 1) Blade Server (Type 2) Blade Server Fabric Interconnect Blade Server Fabric Extender	Cisco UCS B200 M2 series (Intel Xeon E5620 @ 2.4 GHz) Cisco UCS B200 M2 series (Intel Xeon E5680 @ 3.33 GHz) Cisco UCS 6120XP 20 Port Fabric Interconnect Cisco UCS 2104xp	26 3 2 8	Cost (Rs)