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No.9259-B/12/A1/OP1/12

NOTIFICATION

Date: 5th July 2012

Request for Proposal for Selection of System Integrator for Comprehensive Financial Management System of Government of Andhra Pradesh

(RFP ID: 01/2012)

Corrigendum II dated 5th July, 2012 and Clarification Note to the Pre-bid Queries

The Finance Department, GoAP, has received pre-bid queries from the prospective bidders through e-mails as well as during the pre-bid meeting held on 20th June 2012 in respect of the above RFP issued. These queries have been carefully examined and reviewed in detail.

The queries related to pre-qualification criteria and technical evaluation criteria were considered, and Corrigendum I dated 23rd June, 2012 was issued providing amendments in the RFP regarding pre-qualification criteria and technical evaluation criteria. Thereafter, further examination and review of the rest of the queries has been undertaken, based on which this Notification is now issued, comprising of:

- Corrigendum II which makes amendments in RFP in response to queries/ clarifications/ suggestions accepted by the Government
- Clarification Note which bring in greater clarity to the bidders in response to the specific queries raised.

All other queries/ requests not responded in the Corrigendum II and Clarification Note referred above, have not been accepted by the Government. It is emphasized that the clarifications to the pre-bid queries have been provided to bring in greater clarity to the understanding of the CFMS Project for the prospective bidders. However, these clarifications shall not be inferred/ construed to limit the scope of work to be undertaken by the Supplier, objectives, requirements, etc. of the CFMS Project.

Principal Secretary to Government (R&E)
Finance Department, Government of Andhra Pradesh

RFP – CFMS - Corrigendum II dated 5th July, 2012**Volume I**

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
1.	Volume I, Annexure IV, Page No.: 7 and Annexure V, Page No.: 73, and Annexure III, Page No.: 28	It is to be emphasized here that Purchaser (Govt. of AP) is looking at this Project as asset of complete services to be provided by the selected agency and not as a supply of hardware & software. The bidders (supplier) are expected to focus on the objectives of this project and formulate their solution offering in a manner that enables achieving those objectives both in letter as well as spirit.	It is to be emphasized that Finance Department, GoAP, through this Project, is seeking a complete set of integrated and comprehensive services to be provided by the selected agency and is not merely looking for a supplier of hardware & software. To that end the Technical specifications laid out in RFP are indicative in nature. Bidder is advised to propose items that are equivalent or better in terms of technical specifications and performance and items specifically been mentioned in the RFP taking into consideration the nature, size, criticality, scalability, security, etc. and objectives of the CFMS Project and formulate their Solution that would enable achieving the CFMS objectives, service level requirements, etc.
2.	Volume I, Clause 3.2.1.2, Page No: 28	The Supplier should ensure that the OEM vetted sizing should be proposed and should attach those documents in technical solution	Please read clause as “Supplier to ensure the hardware sizing to be vetted and verified by the Application (COTS) OEM. Supplier to submit a certification from the (COTS) OEM for sizing.”
3.	Volume I, Section 3.2.2.1, Page No. : 33	Procurement and deployment of Infrastructure components at DC/ DR/ NDR <ul style="list-style-type: none"> • The Supplier shall take into consideration the usability of the existing ICT infrastructure available in each of the locations. The existing ICT infrastructure details is provided in Annexure I and minimum ICT infrastructure requirement is provided in Annexure IV of this Volume. 	Please read clause as <ul style="list-style-type: none"> • “Minimum ICT infrastructure requirement is provided in Annexure IV of this Volume.”
4.	Volume I, Section 3.2.2.1,	Procurement and deployment of Infrastructure components at DC/ DR/ NDR <ul style="list-style-type: none"> • The Purchaser has recently procured Servers and Storage (the specification is provided in 	This clause stands deleted.

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
	Page No.: 33	Annexure I of this Volume). The Supplier should factor in the usage of these servers while identifying the hardware requirements.	
5.	Volume I, Section 3.2.2.1, Page No.: 33	Procurement and deployment of Infrastructure components at DC/ DR/ NDR <ul style="list-style-type: none"> The Supplier shall own the existing ICT infrastructure at DC (specified in Annexure I of this Volume), in case, it replaces the existing servers. 	This clause stands deleted.
6.	Volume I, Section 3.2.2.1, Page No.: 33	Procurement and deployment of Infrastructure components at DC/ DR/ NDR <ul style="list-style-type: none"> The Supplier has to ensure comprehensive AMC support of the proposed servers and other existing hardware for the contract period. 	Please read clause as: <ul style="list-style-type: none"> “The Supplier has to ensure comprehensive AMC support of the proposed servers and other hardware for the contract period.”
7.	Volume 1, Clause 3.2.2., Page No: 33	Supplier shall ensure that the equipment proposed for the CFMS Project should be SNMP (Simple Network Management Protocol) compliant.	Please read clause as “Supplier shall ensure that the equipment proposed for the CFMS Project should be SNMP (Simple Network Management Protocol) compliant. From the day 1 of installation all networking components should support IPv6. The throughput/performance for all networking components shall be of IPv6 and not IPv4.”
8.	Volume I, clause 3.2.2.1, Page No:33	Supplier to ensure the hardware sizing to be vet and verified by the OEM. Supplier to submit a certification from the OEM for sizing.	Please read clause as “Supplier to ensure the hardware sizing to be vetted and verified by the Application (COTS) OEM. Supplier to submit a certification from the (COTS) OEM for sizing.”
9.	Volume I, Page No.: 34	All the hardware, networking and software shall comply with the minimum specifications given in the Annexure V of this Volume and shall have to	Please read clause as “All the hardware, networking and software shall comply with the technical specifications given in the Annexure V of this Volume and shall have to be checked and certified by the respective OEM. Technical specifications laid out in

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
		be checked and certified by the OEM.	RFP are indicative in nature. Bidder is advised to propose items that are equivalent or better in terms of technical specifications and performance.”
10.	Volume I, Section 3.2.2.2, Page No.: 35	Procurement and commissioning of Infrastructure components at end user location(s) <ul style="list-style-type: none"> The Supplier shall own the existing ICT infrastructure being replaced by it. The Supplier shall take the data backup from the existing ICT infrastructure and transfer to the newly procured ICT infrastructure. 	Please read clause as “ <ul style="list-style-type: none"> The Supplier shall take the data backup from the existing ICT infrastructure and transfer to the newly procured ICT infrastructure.”
11.	Volume I, clause 3.2.2.1, Page No.: 34 and Volume I, clause 3.2.2.2, Page No.: 36	No equipment should be declared ‘end of life’ by its OEM within three (3) year of the Go-Live and no equipment should be declared ‘end of support’ by its OEM within ten (10) years of Go-Live. In the event of this condition being breached, the necessary equipment must be replaced with equipment of equivalent or higher specifications entirely at the cost of the Supplier.	No equipment should be declared ‘end of life’ by its OEM within three (3) year of the Go-Live and no equipment should be declared ‘end of support’ by its OEM within seven (7) years of Go-Live of Phase II of CFMS Project. In the event of this condition being breached, the necessary equipment must be replaced with equipment of equivalent or higher specifications entirely at the cost of the Supplier.
12.	Volume I, Page No.: 35	All the hardware shall comply with the minimum specifications given in the RFP and shall have to be checked and certified by the OEM	Please read clause as “All the hardware shall comply with the technical specifications given in the RFP and shall have to be checked and certified by the respective OEM. Technical specifications laid out in RFP are indicative in nature. Bidder is advised to propose items that are equivalent or better in terms of technical specifications and performance.”
13.	Volume I, Section 3.2.2.5., Page No.: 38	The Supplier shall help the Purchaser in managing the transition from the existing system (both manual and automated) to the CFMS as per the transition plan prepared by the Purchaser and accepted by Supplier.	The Supplier shall help the Purchaser in managing the transition from the existing system (both manual and automated) to the CFMS as per the transition plan prepared by Supplier and accepted by the Purchaser.
14.	Volume-I, Section 3.2.2.5, Page No.: 38	The Supplier to prepare required training material and manuals as desired	clause should be read as “The Supplier to prepare required training material and manuals as desired. Training Materials shall be prepared in English only however the Supplier is required to depute such resources who can speak both English and Telugu and also impart training in English and Telugu.”

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE																								
15.	Volume I, Section 3.2.3.2, Page No.: 47	Infrastructure Maintenance <ul style="list-style-type: none"> In case the Supplier intends to use the existing infrastructure available with Purchaser (only in case of DC, DR, NDR), then the Supplier shall be responsible for overall maintenance of that infrastructure for the project duration. (The details of the existing ICT infrastructure are provided as „Annexure I – Overview of Current System and Indicative number of Users & Transactions“ of this Volume). 	This clause stands deleted.																								
16.	Volume I, Page No.: 52	Table 5 – Containing details of Technical Field Staff	<table border="1"> <thead> <tr> <th data-bbox="989 781 1083 862">S. No</th> <th data-bbox="1083 781 1814 862">Location</th> <th data-bbox="1814 781 2018 862">Year 2 to 7</th> </tr> </thead> <tbody> <tr> <td data-bbox="989 862 1083 927">1.</td> <td data-bbox="1083 862 1814 927">Finance Department</td> <td data-bbox="1814 862 2018 927">4</td> </tr> <tr> <td data-bbox="989 927 1083 992">2.</td> <td data-bbox="1083 927 1814 992">DTA and PAO, Hyderabad</td> <td data-bbox="1814 927 2018 992">2</td> </tr> <tr> <td data-bbox="989 992 1083 1057">3.</td> <td data-bbox="1083 992 1814 1057">Other Office(s) - AG (Audit), DDO etc</td> <td data-bbox="1814 992 2018 1057">8</td> </tr> <tr> <td data-bbox="989 1057 1083 1122">4.</td> <td data-bbox="1083 1057 1814 1122">PPO</td> <td data-bbox="1814 1057 2018 1122">2</td> </tr> <tr> <td data-bbox="989 1122 1083 1187">5.</td> <td data-bbox="1083 1122 1814 1187">DWA</td> <td data-bbox="1814 1122 2018 1187">2</td> </tr> <tr> <td data-bbox="989 1187 1083 1252">6.</td> <td data-bbox="1083 1187 1814 1252">DTO/ STO and PAO(W&P)</td> <td data-bbox="1814 1187 2018 1252">46</td> </tr> <tr> <td data-bbox="989 1252 1083 1317">7.</td> <td data-bbox="1083 1252 1814 1317">GAD/ Establishment (for HRMS)</td> <td data-bbox="1814 1252 2018 1317">4</td> </tr> </tbody> </table>	S. No	Location	Year 2 to 7	1.	Finance Department	4	2.	DTA and PAO, Hyderabad	2	3.	Other Office(s) - AG (Audit), DDO etc	8	4.	PPO	2	5.	DWA	2	6.	DTO/ STO and PAO(W&P)	46	7.	GAD/ Establishment (for HRMS)	4
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17.	Volume – I, Section 5.2, Page No.: 66	5.2. Project Work-plan	The following new clause is added as a note to the Table 7 – Detailed Work Plan: “It is emphasized that the SI shall plan and deploy the required hardware infrastructure in sync with the implementation (pilot or roll out) of CFMS functional																								

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
			modules. SI should not make any early deployment of the hardware before the CFMS functional modules are being implemented. This is necessary to ensure that the hardware is not deployed, installed and kept idle without its intended usage and also to avoid depreciation/ damage. The Bidder shall be required to detail out the hardware deployment clearly in the Project Work Plan.”
18.	Volume I, Annexure I, Section 1, Page No.: 6	IMPACT system has a provision of capturing the payroll information and the Employee cadre database. Currently this is being piloted at STO, Rajendranagar. All other treasuries are maintaining manual registers for cadre strength and payroll details.	IMPACT system has a provision of capturing the payroll information and the Employee cadre database. Currently, the employees’ transaction data is available in IMPACT in all the treasuries. However at PAOs, the employee data is available in manual as well as in digitized form.
19.	Volume I, Annexure I, Section 2.1, Page No.: 8	Note: The details of the current hardware at end user site have been provided in Section 1.6 subsequently. The Supplier shall own the existing ICT infrastructure mentioned above and replace with the fresh hardware as per BOM specified in Annexure IV and as per specifications provided in the Annexure V.	This Clause stands deleted
20.	Volume I, Annexure I, section 2.2, Page No.: 8	Note: The details of the current core infrastructure hardware (other than the end user hardware) have been provided in Section 1.6 subsequently. The Supplier shall own the above mentioned existing ICT infrastructure available with Purchaser, in case it replaces the existing servers.	This Clause stands deleted
21.	Volume I, Annexure III, Page No.: 7, Figure 2	Delivery channel/ Locations: “Offline” access to Portal Content Services as another delivery channel	“Offline” access to Portal Content Services as another delivery channel is deleted. In other words no offline applications/functionality are expected to be developed in CFMS system.

S. NO	REFERENCE (VOL/PARA/PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE																
22.	Volume I, Annexure-II, Section 7.2., Page No.: 194, Point No. 30	Shall allow the AG to import the Rupee Debt Statement sent by the RBI containing description of loan, opening balance of loan, scraps issued during the quarter, repayments made during the quarter, closing balance, for reconciliation of loan balances.	Shall allow the AG to import the Rupee Debt Statement sent by the RBI containing description of loan, opening balance of loan, scrips issued during the quarter, repayments made during the quarter, closing balance, for reconciliation of loan balances.																
23.	Volume I, Annexure III, Section 2.2.1., Page No.: 10	For the purpose of CFMS project, redundant connectivity will be procured by Supplier from the empaneled Agencies of the State Govt. This connectivity shall be procured through any Network Service Provider other than AP-SWAN.	Please read clause as "For the purpose of CFMS project, redundant/ back up connectivity will be procured by Supplier from any Network Service Provider other than AP-SWAN."																
24.	Volume I, Annexure III, Section 2.2.4, Page 13	Proposed NDR will be hosted at the Facility at the Secretariat site.	This clause stands deleted. However please refer Page 4 of Annexure IV of Volume I of the RFP.																
25.	Volume I, Annexure III, Section 3.2 Page No.: 27, Table: 6 Point No.: 6	6. NDR should be 50% of the DC capacity	This clause stands deleted. However please refer Page 4 of Annexure IV of Volume I of the RFP.																
26.	Volume I, Annexure IV, Page No.: 3-4	1. Table containing Hardware BOM	Original Table is replaced with Revised Table as provided below: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>DC</th> <th>DR</th> </tr> <tr> <th></th> <th></th> <th>Quantity</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Database Server (Active - Active Cluster)</td> <td>4</td> <td>2</td> </tr> <tr> <td>2.</td> <td>BI/DWH/Analytics Server</td> <td>4</td> <td>2</td> </tr> </tbody> </table>	S. No.	Description	DC	DR			Quantity	Quantity	1.	Database Server (Active - Active Cluster)	4	2	2.	BI/DWH/Analytics Server	4	2
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			3.	Application/Portal Server	4	2
			4.	Web Server	2	1
			5.	DMS/Workflow Server	2	1
			6.	Directory/Antivirus/Backup Server	3	1
			7.	SOA/ Integration Server	2	1
			8.	Reporting/Adhoc Reporting Server	2	1
			9.	EMS Servers	2	1
			10.	Server Load balancer	2	1
			11.	Firewall /Intrusion Prevention System	2	1
			12.	Core Switch	2	0
			13.	KVM Switches over IP for Racks	1	1
			14.	DMZ Switch	2	0
			15.	Tape Library	1	1
			16.	SAN Storage (60 TB) + SAN Management Software	1	1
			17.	SAN Switches	2	2
			18.	Internet Router	2	0
			19.	WAN Router	2	0

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE			
			20.	Rack – 42 U	As applicable	As applicable
			21.	Blade Chassis	As applicable	As applicable
			22.	HSM and DB encryption device	2	1
			23.	SSL VPN	2	1
			24.	DLP Solution	As applicable	As applicable
			25.	Log Management and Correlation Solution(SIEM)	2	1
			26.	WAN Optimization Device	2	1
27.	Volume I, Annexure IV, Page No. : 6	6. Table containing Manpower to Manage DC, DR, NDR on 24x7 Basis	Original Table is replaced with Revised Table as provided below:			
			S. No	Manpower	QTY	
			1.	IT Infrastructure / Data Center Manager	1	
			2.	Database Administrator with Proposed DB certification	1	
			3.	Systems Administrator with Proposed OS certification	1	
			4.	Security Expert with CISSP certification	1	
			5.	Network Administrator with proposed OEM certification	1	
			6.	Technical Support Service Executives	3	

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE																																	
28.	Volume I, Annexure IV, Page No.: 6	Table 5 - End User Requirement	<p>Original Table is replaced with Revised Table as provided below:</p> <table border="1" data-bbox="993 370 1976 1149"> <thead> <tr> <th data-bbox="993 370 1115 435">S.No</th> <th data-bbox="1115 370 1766 435">Location</th> <th data-bbox="1766 370 1976 435">Quantity</th> </tr> </thead> <tbody> <tr> <td data-bbox="993 435 1115 508">1</td> <td data-bbox="1115 435 1766 508">Desktop (with OS, MSOffice)</td> <td data-bbox="1766 435 1976 508">3000</td> </tr> <tr> <td data-bbox="993 508 1115 581">2</td> <td data-bbox="1115 508 1766 581">Printer</td> <td data-bbox="1766 508 1976 581">802</td> </tr> <tr> <td data-bbox="993 581 1115 654">3</td> <td data-bbox="1115 581 1766 654">Scanner</td> <td data-bbox="1766 581 1976 654">401</td> </tr> <tr> <td data-bbox="993 654 1115 727">4</td> <td data-bbox="1115 654 1766 727">UPS (5KVA) with battery replacement after every 3 years</td> <td data-bbox="1766 654 1976 727">301</td> </tr> <tr> <td data-bbox="993 727 1115 800">5</td> <td data-bbox="1115 727 1766 800">UPS (10 KVA) with battery replacement after every 3 years</td> <td data-bbox="1766 727 1976 800">100</td> </tr> <tr> <td data-bbox="993 800 1115 873">6</td> <td data-bbox="1115 800 1766 873">N/W Printer (MFP)</td> <td data-bbox="1766 800 1976 873">33</td> </tr> <tr> <td data-bbox="993 873 1115 946">7</td> <td data-bbox="1115 873 1766 946">Router</td> <td data-bbox="1766 873 1976 946">401</td> </tr> <tr> <td data-bbox="993 946 1115 1019">8</td> <td data-bbox="1115 946 1766 1019">Switch</td> <td data-bbox="1766 946 1976 1019">401</td> </tr> <tr> <td data-bbox="993 1019 1115 1092">9</td> <td data-bbox="1115 1019 1766 1092">WAN Optimization Device</td> <td data-bbox="1766 1019 1976 1092">401</td> </tr> <tr> <td data-bbox="993 1092 1115 1149">10</td> <td data-bbox="1115 1092 1766 1149">Biometric Device</td> <td data-bbox="1766 1092 1976 1149">3000</td> </tr> </tbody> </table>	S.No	Location	Quantity	1	Desktop (with OS, MSOffice)	3000	2	Printer	802	3	Scanner	401	4	UPS (5KVA) with battery replacement after every 3 years	301	5	UPS (10 KVA) with battery replacement after every 3 years	100	6	N/W Printer (MFP)	33	7	Router	401	8	Switch	401	9	WAN Optimization Device	401	10	Biometric Device	3000
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29.	Volume I, Annexure IV, Page No.: 7	Table 7 - containing Manpower – Help Desk and Field Staff	<p>Original Table is replaced with Revised Table as provided below:</p> <table border="1" data-bbox="993 1190 1976 1487"> <thead> <tr> <th data-bbox="993 1190 1087 1295">S.N</th> <th data-bbox="1087 1190 1234 1295">Manpower</th> <th data-bbox="1234 1190 1976 1295">QTY</th> </tr> </thead> <tbody> <tr> <td data-bbox="993 1295 1087 1487">1</td> <td data-bbox="1087 1295 1234 1487">Staff at Helpdesk for Employees</td> <td data-bbox="1234 1295 1976 1487">Minimum 5 (To be deployed at FD office, Hyderabad)</td> </tr> </tbody> </table>	S.N	Manpower	QTY	1	Staff at Helpdesk for Employees	Minimum 5 (To be deployed at FD office, Hyderabad)																											
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			2	Technical coordinators (Field Support Staff)	S. No	Location	Year 2 to 7
					1.	Finance Department	4
					2.	DTA and PAO, Hyderabad	2
					3.	Other Office(s) - AG (Audit), DDO etc	8
					4.	PPO	2
					5.	DWA	2
					6.	DTO/ STO and PAO(W&P)	46
					7.	GAD/ Establishment (for HRMS)	4
30.	Volume I, Annexure IV, Page No.: 7	Note to the Table 7- containing Manpower – Help Desk and Field Staff “For the Year 2nd and 3rd more number of technical resources will be proposed and for the year 4th till 7th technical manpower will be reduced to half.”	This note stands deleted				
31.	Volume I, Annexure V, Page No.: 1 and Volume I, Page No.: 3	ANNEXURE V MINIMUM ICT INFRASTRUCTURE SPECIFICATIONS	ANNEXURE V ICT INFRASTRUCTURE SPECIFICATIONS				
32.	Volume I, Annexure VI, Section 1, Page No.: 3	CONSIDERATION FOR DATA DIGITIZATION AND MIGRATION	A new para is added as under: Data Cleansing and Data De-duplication activities are required to be done before Migration of existing/legacy data to new proposed system, and for this Bidder must use world class data quality tools, as purchaser want 100% data accuracy.				
33.	Volume I, Annexure V, Page No.: 4	This annexure of the RFP covers the minimum specifications for the Supplier.	Please read clause as “This annexure of the RFP covers the technical specifications for the Supplier. Technical specifications laid out in RFP are indicative in nature. Bidder is advised to propose items that are equivalent or better in terms of technical specifications and performance.”				
34.	Volume I,	Section 1.1 - Table containing technical	Original Table is replaced with Revised Table as provided below:				

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE		
			Sr. No	Make & Model - (To be filled by the Supplier)	Comply / Not comply
	Annexure V, Page No.: 4-7	specifications for Data Base and BI Server(s)			
			1.	Form Factor	Rack/ Blade
			2.	Platform	Latest OS certified: UNIX/Linux
			3.	Architecture	CISC/ RISC / EPIC
			4.	Processor	Server with minimum 64 cores scalable to 128 cores Further the Processor should be the latest product in the global market with the highest cores and highest clock speed at time of bid submission that is capable of ensuring effective functioning of the System for and beyond the duration of the Project. Processor and Server OEMs should certify accordingly.
			6.	Memory	Min 1TB memory scalable to 2 TB Highest Cache as applicable to the server offered
			7.	Virtualization	Enterprise Class Virtualization Software
			8.	Scalability	This Machine should be scalable through inbox upgrade
			9.	RAID Controller	The Server should be configured with internal Serial Attached SCSI (SAS) RAID controller
			10.	HDD Bays	The server should support min 8 HDDs and should be configured with 4Nos. of 300 GB SAS 6Gbps 10k Hot swap HDDs
			11.	Failure Alerting	The server component covered under alerting mechanism should at least include processors, memory, PCI slot, Power supply, Fan and Hard

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE	
				disk drives.
			12.	PCI Slots The Server should be supplied with maximum possible numbers of PCI- Express slots.
			14.	Power Supply Redundant hot pluggable Power Supply and fans configured fully
			15.	Manageability Server to be configured with all necessary management software product(s).
			16.	Delivery The bidder has to give part nos. of every component which will be cross verified by OEM
			17.	Warranty 24x7 support 6 hours Call to onsite repair.
35.	Volume I, Annexure V, Section, 1.2 Page No.: 7	1.2. Other Server(s) Sr. No. 7 - Virtualization - Enterprise class virtualization	Sr. No. 7 -Virtualization - Enterprise class virtualization (Enterprise virtualization software is required for all critical applications which would be certified by the COTS OEM.)	
36.	Volume I, Annexure V, Section 1.2, Page No: 8, Point No. 12	PCI Slots : The Server should be supplied with minimum 10 no"s of PCI- Express slots.	Please read clause as "PCI Slots: The Server should be supplied with the maximum possible number of PCI- Express slots".	
37.	Volume I, Annexure V, Section 1.2, Page No: 7, Point No. 8	The same server should be scalable to 8 processor sockets by just adding additional Processors within the server chassis.	Please read clause as "The same server should be scalable to 8 processor sockets".	
38.	Volume I, Annexure V, Section 1.3, Page No: 8-9, Point No. 6	The Proposed SAN Array should be configured with at least 8 GB or more cache across dual controllers with dual cache mirror interconnect paths. The same should be scalable in future to 22GB or more cache across dual controllers by upgrading controller. Cache should be mirrored between the Active- Active controllers on	Please read clause as " The Proposed SAN Array should be configured with at least 64 GB cache scalable to 128GB across dual controllers with dual cache mirror interconnect paths."	

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
		separate Inter controller paths. The inter controller paths should be redundant (at least 2 paths) to prevent disruption if one path fails.	
39.	Volume I, Annexure V, Section 1.3, Page No: 8, Point No. 1	The Proposed SAN Array should be configured with minimum 25 TB usable space after RAID5/6	Please read clause as "The Proposed SAN Array should be configured with minimum 60 TB usable space after RAID 5/6 scalable to 120 TB."
40.	Volume I, Annexure V, Section 1.3, Page No: 9, Point No. 15	The SAN Array should be supplied with data replication in both synchronous & asynchronous modes with consistent copy of replicated volumes at target site. The replication capability should be bidirectional with ability to fail back to achieve RPO=0 and RTO<=6 hrs.	Please read clause as "The SAN Array should be supplied with data replication in both synchronous & asynchronous modes with consistent copy of replicated volumes at target site. The replication capability should be bidirectional with ability to fail back to achieve RPO=0 and RTO<=6 hrs. The Storage array shall also support three ways (3 Data Centers) replication to ensure zero RPO. The Storage shall support replication of same volume synchronously to site 1 and asynchronously to site 2 simultaneously to ensure Zero RPO. "
41.	Volume I, Annexure V, Section 1.3, Page No: 9. Point No. 17	The storage array should be configured intermix of FC disks, SAS , SATA	Please read clause as " The storage array should be configured with SSD (min 10%), FC disks / SAS 2.0(min 50 %), and SATA/NL SAS(min 40%) in the same enclosure and should also support multi tiering/ equivalent technology."
42.	Volume I, Annexure V, Section 1.5, Page No: 10, Point No. 5	Switch should protect existing device investments with auto-sensing 1, 2, 4 Gbps capabilities	Please read clause as "Switch should protect existing device investments with auto-sensing 1, 2, 4, 8 Gbps capabilities".
43.	Volume I, Annexure V, Section 1.4, Page No:10, Point No. 2,3,4	1.4 Tape Library 2. Offered LTO4 drive in the Library shall conform to the Continuous and Data rate matching technique for higher reliability. 3. Offered LTO4 drive shall support 120MB/sec in Native mode and 240MB/sec in 2:1 compressed mode.	Please read the clause as " 2. Offered LTO5 drive in the Library shall conform to the Continuous and Data rate matching technique for higher reliability. 3. Offered LTO5 drive shall support 120MB/sec in Native mode and 240MB/sec in 2:1 compressed mode. 4. Tape Library shall be further scalable to 140 slots and 6 LTO 5 drives either within the same frame or by cascading another frame. "

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
		4. Tape Library shall be further scalable to 140 slots and 6 LTO-4 drives either within the same frame or by cascading another frame.	
44.	Volume I, Annexure V, Section 1.5, Page No: 10, Point No. 4	Throughput of each port in the SAN switch should be 4 Gbit/sec full duplex with no over-subscription	Please read clause as "Throughput of each port in the SAN switch should be 8Gbit/sec full duplex with no over-subscription".
45.	Volume I, Annexure V, Section 1.5, Page No: 11, Point No. 9	All the SAN Switch components should be field replaceable units	This Clause stands deleted
46.	Volume I, Annexure V, Section 1.5, Page No: 11, Point No. 11	The SAN Switch should enable partitioning of a physical SAN into logical fabrics	This Clause stands deleted
47.	Volume I, Annexure V, Section 1.5, Page No: 11, Point No. 12	The SAN Switch should enable isolation of logical fabrics by application	This Clause stands deleted
48.	Volume I, Annexure V, Section 1.5, Page No: 11, Point No. 20	The SAN Switch should support option to configure the switches with alerts based on threshold values for temperature	This Clause stands deleted
49.	Volume I, Annexure V,	IPSEC 3DES Throughput of Up to 2 Gbps	Please read clause as " IPSEC 3DES Throughput of Up to 2 Gbps scalable to 6 Gbps "

S. NO	REFERENCE (VOL/PARA/PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
	Section 1.9, Page No: 17, Point No. 4		
50.	Volume I, Annexure V, Section 1.11, Page No: 21, Point No. 7	Should have redundant Switching engine. The required switching & routing performance should not degrade with failure of primary switching and routing	Please read clause as " Should have redundant Switching engine"
51.	Volume – I, Annexure V, Section 1.11, Page No.: 22, Point No.28	The software on the firewall must have online software reconfiguration to ensure that changes made to a firewall configuration take place with immediate effect	Please read clause as "The changes made to a firewall configuration should take place with immediate effect"
52.	Volume I, Annexure V, Section 1.11, Page No.: 23, Point No. 57	Shall support Out of band management through Console and external modem for remote management	Please read clause as "Shall support Out of band management through Console".
53.	Volume I, Annexure V, Section 1.11, Page No.: 22, Point No. 43	IP Access list to limit Telnet and SNMP access to router	Please read clause as "IP Access list to limit Telnet and SNMP access"
54.	Volume I, Annexure V, Section 1.20, Page No: 30, Point No. 5	Should not induce Latency into the Network, Latency should be less than 80 microseconds	Please read clause as "Should not induce Latency into the Network, Latency should be less than 200 microseconds"
55.	Volume I, Annexure V, Section 2.6, Page No: 50, Point No. 1	Bidder should set up comprehensive EMS at primary datacenter NOC for monitoring DC, DR & NDR network devices & servers. Proposed EMS solution must be ISO27001 certified. Proposed monitoring components must be from	This Clause stands deleted

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
		same OEM from seamless integration.	
56.	Volume I, Annexure V, Section 2.6, Page No: 51, Point No. 23	The proposed system must have a cognos based report authoring tool built-in which will enable complete customization flexibility of performance reports for network devices and monitored servers.	This Clause stands deleted
57.	Volume I, Annexure V, Section 2.6, Page No: 52, Point No. 33	The proposed traffic analysis system must be capable of automatically detecting anomalous behavior such as virus attacks or unauthorized application behavior. The system should analyze all Net Flow traffic and alert via SNMP trap and syslog of any suspicious activity on the network and send it to central network console.	This Clause stands deleted
58.	Volume I, Annexure V, Section 2.6, Page No: 53, Point No. 38	Traffic Analysis System must provide Search for any traffic using a specific configurable destination port, or port range, autonomous system (AS) number, BGP next hop IP address, ToS bit, clients or servers that are experiencing more than a specified number of TCP resets per hour, IPv4 or IPv6 conversation bad IP Header, unreachable destination, TTL expired, trace route requests, MAC addresses, TCP flags, VLAN.	This Clause stands deleted
59.	Volume I, Annexure V, Section 2.6, Page No: 53, Point No. 37	Proposed Traffic Analysis system & performance management system must integrate into common network performance center portal providing a workflow where inbound, outbound traffic is depicted on monitored interface as well as type of traffic flow breakup should be	This Clause stands deleted

S. NO	REFERENCE (VOL/PARA/PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
		available for analysis .Performance Manager elements should sync up in traffic analysis portal	
60.	Volume I, Annexure V, Section 2.6, Page No: 54/ Point No. 50	The proposed solution must provide for dynamic instrumentation of application code, i.e. enhance be able out of the box monitoring with extra monitoring definitions without having to restart application.	This Clause stands deleted
61.	Volume I, Annexure V, Section 2.6, Page No: 55, Point No. 55	The proposed system must allow to dynamically instrument components of transactions revealed in a trace session without restarting the Java Virtual Machine (JVM).	This Clause stands deleted
62.	Volume I, Annexure V, Section 2.6, Page No: 55, Point No. 56	The solution must show out of the box application triage maps that allow to instantly grasping the layout of the applications in the environment in a visual manner to help identify and triage current and emerging problems.	This Clause stands deleted
63.	Volume I, Annexure V, Section 2.6, Page No: 55, Point No. 57	The solution should have provision for automatic transaction discovery, for example by setting up some bounding parameters to describe transactions like the web site, the language, and parameters (such as post, query, and cookies).	This Clause stands deleted
64.	Volume I, Annexure V, Section 2.8, Page No.: 61, Point No.: 2 2.8	Database must ensure inter-dependency of user concurrency and data consistency. Should provide non-escalating lock mechanism and multi version read consistency for the transaction processing.	This clause stands deleted
65.	Volume I,	Should support 500 concurrent users and should	Please read clause as "Should support 5000 concurrent users and should be scalable

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
	Annexure V, Section 3.9, Page No: 71, Point No. 29	be scalable to 1000 concurrent users on single platform when in HA mode	to 10000 concurrent users on single platform when in HA mode".

Volume II

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
66.	Volume II, Section 2.2.1, Table 3, Page No.: 22, 23 & 26	<p>2.2.1. Criteria for Evaluation of Technical Proposal</p> <p>A. Understanding of the overall CFMS Project including module wise, stakeholder wise and phase wise functional requirements of the CFMS Solution. Bidder should clearly explain in detail as to how the required functionality envisaged in the Project shall be met.</p> <p>B. Approach & Methodology during</p> <ul style="list-style-type: none"> • COTS Product based Development/ Customization phase • Procurement and Deployment phase • Operation & Maintenance phase <p>Especially highlighting methodology for project execution, deployment, support (including help desk), data migration/ digitization, training and <u>capacity</u> building, etc.</p> <p>C. Availability of the Functional Requirement in the standard COTS product and the customization required to meet out the entire functionality as provided in Volume I of the RFP.</p> <p><i>Higher weightage/ marks shall be given to the functionality already available in the standard COTS product.</i></p>	<p>A. Understanding of the overall CFMS Project including module wise, stakeholder wise and phase wise functional requirements of the CFMS Solution. Bidder should clearly explain in detail as to how the required functionality envisaged in the Project shall be met.</p> <p>B. Approach & Methodology during</p> <ul style="list-style-type: none"> • COTS Product based Development/ Customization phase • Procurement and Deployment phase • Operation & Maintenance phase <p>Especially highlighting methodology for project execution, deployment, support (including help desk), data migration/ digitization, training and <u>capacity</u> building, etc.</p> <p>C. Availability of the Functional Requirement in the standard COTS product and the customization required to meet out the entire functionality as provided in Volume I of the RFP.</p> <p><i>Higher weightage/ marks shall be given to the functionality already available in the standard COTS product.</i></p>

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE		REVISED CLAUSE	
				<i>Bidder should provide the module wise functional requirements under the separate heads - i) functionality available through COTS product; and ii) Customization under the functional modules to meet the required functionalities. Marking shall be decided by the Technical Evaluation Committee based on its suitable judgment.</i>	
		E. In case the System Software Proposed on Commercial Open Source.	3 Marks	E. In case the System Software (for operating system) Proposed on Commercial Open Source.	3 Marks
		H. Hardware Infrastructure proposed <ul style="list-style-type: none"> • Detailed Bill of Material (as per the format provided in Section 3.8, Annexure I of this Volume, and also provide Software/ Material Classification List per the format provided in Section 3.9, Annexure I of this Volume). • OEM certified sizing document 	3 Marks	H. Hardware Infrastructure proposed <ul style="list-style-type: none"> • Detailed Bill of Material (as per the format provided in Section 3.8, Annexure I of this Volume, and also provide Software/ Material Classification List per the format provided in Section 3.9, Annexure I of this Volume). • COTS OEM certified sizing document(s) • Server Architecture 	8 Marks
		Q. Technical Proposal Presentation including Proof of Concept^^	10 Marks	Q. Technical Proposal Presentation including Proof of Concept^^	7 Marks

S. NO	REFERENCE (VOL/PARA /PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE
67.	Volume II, Section 3.8.3., Page No. 44	<p>D. Availability of the Functional Requirement in the standard COTS product and the customization required to meet out the entire functionality as provided in Volume I of the RFP.</p> <p><i>Higher weightage/ marks shall be given to the functionality already available in the standard COTS product.</i></p>	<p>C. Availability of the Functional Requirement in the standard COTS product and the customization required to meet out the entire functionality as provided in Volume I of the RFP.</p> <p>Higher weightage/ marks shall be given to the functionality already available in the standard COTS product.</p> <p><i>Bidder should provide the module wise functional requirements under the separate heads - i) functionality available through COTS product; and ii) Customization under the functional modules to meet the required functionalities. Marking shall be decided by the Technical Evaluation Committee based on its suitable judgment.</i></p>
68.	Volume II, Annexure I, Section 3.8, Page No.: 111-118	3.8. Bill of Material Format	Refer revised table 3.8. Bill of Material Format at the end of this Corrigendum
69.	Volume II, Annexure I, Section 4.3, Page No.: 143-148	4.3. Procurement and Deployment Cost Table	Refer revised table 4.3. Procurement and Deployment Cost Table at the end of this Corrigendum
70.	Volume II, Annexure I, Section 4.4, Page No.: 149-151	4.4. Operation and Maintenance Cost Table	Refer revised table 4.4. Operation and Maintenance Cost Table at the end of this Corrigendum

Volume III

S. N O	REFERENCE (VOL/PARA/PAGE)	RELEVANT ORIGINAL CLAUSE	REVISED CLAUSE																																																																				
71.	Volume III, Page No.: 22, Section 3.2.3	Payments shall be made promptly by the Purchaser, on verification of the invoice submitted by the Supplier.	Please read this clause as "Supplier shall raise the invoice and submit to the Purchaser, the payment of which shall be made within sixty days of approval of invoice."																																																																				
72.	Volume III, Section No. 5.6.2, Page No.: 32	At any point during performance of the Contract, for Information Technologies still to be delivered, the Supplier will also pass on to the Purchaser any cost reductions and improved and/or additional support and facilities that it offers to other clients of the Supplier in the Purchaser’s Country, pursuant to GCC Clause 8.1 (Changes to the System).	Please read this clause as “At any point during performance of the Contract, for Information Technologies still to be delivered, the Supplier will also pass on to the Purchaser improved and/or additional support and facilities that it offers to other clients of the Supplier in the Purchaser's Country, pursuant to GCC Clause 8.1 (Changes to the System).”																																																																				
73.	Volume III, Annexure I, 6, Page No.: 75	<p>6. Technology and Performance SLA Criteria</p> <table border="1" data-bbox="275 1015 1123 1502"> <thead> <tr> <th colspan="9">SLAs for Managed IT Phase</th> </tr> <tr> <th rowspan="2">Service</th> <th rowspan="2">Service Window</th> <th colspan="2">Benchmark Performance Total weight = 100</th> <th colspan="2">Lower Performance</th> <th colspan="2">Performance Breach</th> <th>Unacceptable Performance</th> </tr> <tr> <th>Metric</th> <th>Full Credit</th> <th>Metric</th> <th>Credit</th> <th>Metric</th> <th>Credit</th> <th>Credit = 0</th> </tr> </thead> <tbody> <tr> <td>No of calls droppe</td> <td></td> <td><=98%</td> <td>1</td> <td><98% and</td> <td>0</td> <td><95% and</td> <td>-1</td> <td>>90%</td> </tr> </tbody> </table>	SLAs for Managed IT Phase									Service	Service Window	Benchmark Performance Total weight = 100		Lower Performance		Performance Breach		Unacceptable Performance	Metric	Full Credit	Metric	Credit	Metric	Credit	Credit = 0	No of calls droppe		<=98%	1	<98% and	0	<95% and	-1	>90%	<table border="1" data-bbox="1148 1015 2009 1502"> <thead> <tr> <th colspan="9">SLAs for Managed IT Phase</th> </tr> <tr> <th rowspan="2">Service</th> <th rowspan="2">Service Window</th> <th colspan="2">Benchmark Performance Total weight = 100</th> <th colspan="2">Lower Performance</th> <th colspan="2">Performance Breach</th> <th>Unacceptable Performance</th> </tr> <tr> <th>Metric</th> <th>Full Credit</th> <th>Metric</th> <th>Credit</th> <th>Metric</th> <th>Credit</th> <th>Credit = 0</th> </tr> </thead> <tbody> <tr> <td>No of calls droppe</td> <td></td> <td><=2%</td> <td>1</td> <td>>2% and <=5</td> <td>0</td> <td>>5% and <=1</td> <td>-1</td> <td>>10%</td> </tr> </tbody> </table>	SLAs for Managed IT Phase									Service	Service Window	Benchmark Performance Total weight = 100		Lower Performance		Performance Breach		Unacceptable Performance	Metric	Full Credit	Metric	Credit	Metric	Credit	Credit = 0	No of calls droppe		<=2%	1	>2% and <=5	0	>5% and <=1	-1	>10%
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S. NO	REFERENCE (VOL/PARA/PAGE)	RELEVANT ORIGINAL CLAUSE								REVISED CLAUSE									
		d while on hold				>= 95%		>=90 %											
		No of calls ended due to automated system		<=98%	1	<98% and >=95%	0	<95% and >=90%	-1				<=2%	1	>2% and <=5%	0	>5% and <=10%	-1	>10%
		Frequency of problem reported of same nature		<=98%	2	<98% and >=95%	-1	<95% and >=90%	-2				<=2%	2	>2% and <=5%	-1	>5% and <=10%	-2	>10%

3.8 Bill of Material Format

S.NO.	SUBSYSTEM/ITEM	UNIT	QUANTITY	MAKE & MODEL
Data Centre Hardware Requirement				
1.	Database Server (Active - Active Cluster)			
2.	BI/DWH/Analytics Server			
3.	Application/Portal Server			
4.	Web Server			
5.	DMS/Workflow Server			
6.	Directory/Antivirus/Backup Server			
7.	SOA/ Integration Server			
8.	Reporting/Adhoc Reporting Server			
9.	EMS Servers			
10.	Server Load balancer			
11.	Firewall /Intrusion Prevention System			
12.	Core Switch			
13.	KVM Switches over IP for Racks			
14.	DMZ Switch			
15.	Tape Library			
16.	SAN Storage (60 TB) + SAN Mgmt Software			
17.	SAN Switches			
18.	Internet Router			
19.	WAN Router			
20.	Rack – 42 U			
21.	Blade Chasis			
22.	HSM and DB encryption device			
23.	SSL VPN			
24.	DLP Solution			
25.	Log Management and Correlation Solution(SIEM)			
26.	WAN Optimization Device			
27.	Others			
Disaster Recovery Centre Hardware Requirement				
1.	Database Server (Active - Active Cluster)			
2.	BI/DWH/Analytics Server			
3.	Application/Portal Server			
4.	Web Server			

S.NO.	SUBSYSTEM/ITEM	UNIT	QUANTITY	MAKE & MODEL
5.	DMS/Workflow Server			
6.	Directory/Antivirus/Backup Server			
7.	SOA/ Integration Server			
8.	Reporting/Adhoc Reporting Server			
9.	EMS Servers			
10.	Server Load balancer			
11.	Firewall /Intrusion Prevention System			
12.	Core Switch			
13.	KVM Switches over IP for Racks			
14.	DMZ Switch			
15.	Tape Library			
16.	SAN Storage (60 TB) + SAN Mgmt Software			
17.	SAN Switches			
18.	Internet Router			
19.	WAN Router			
20.	Rack – 42 U			
21.	Blade Chasis			
22.	HSM and DB encryption device			
23.	SSL VPN			
24.	DLP Solution			
25.	Log Management and Correlation Solution(SIEM)			
26.	WAN Optimization Device			
27.	Others			
NDR Hardware Requirement				
1.				
2.				
3.				
System Software/ Support Software				
1.	Operating System			
2.	Database Server			
3.	BI Solution			
4.	LDAP /Directory Server			
5.	Portal Server			

S.NO.	SUBSYSTEM/ITEM	UNIT	QUANTITY	MAKE & MODEL
6.	SOA Suite			
7.	DMS /Workflow Server			
8.	EMS / NMS software			
9.	PKI base tokens (with Digital Signature)			
10.	GRC Tool			
11.	Adaptive Authentication			
12.	Antivirus and Antispam Solution			
13.	Any Other			
Application Software Development/ Customization				
1.	Application Product Cost			
2.	Application Software development and customization effort@			
3.	Application Product Maintenance Cost			
4.	Other Items			
End User Hardware Requirement				
1.	Desktop (with OS, MSOffice)			
2.	Printer			
3.	Scanner			
4.	UPS (5KVA) with battery replacement after every 3 years			
5.	UPS (10 KVA) with battery replacement after every 3 years			
6.	N/W Printer (MFP)			
7.	Router			
8.	Switch			
9.	WAN Optimization Device			
10.	Biometric Device			
11.	Others			
Hardware and Software for Helpdesk				
1.	Hand Set and Head Set			
2.	Any Additional Equipment's (IPBEX Etc.)			
3.	Desktop for helpdesk staff			
4.	Phone Connection & line			
Network and Bandwidth Requirement				

S.NO.	SUBSYSTEM/ITEM	UNIT	QUANTITY	MAKE & MODEL
1.	Data Center Backup Line			
2.	Data Center to Near DR			
3.	Helpdesk			
4.	Finance Department			
5.	Directorate of Treasury and Accounts			
6.	Directorate of Works and Accounts			
7.	PAO, Hyderabad Office(s)			
8.	PAO (W&P) Office(s)			
9.	Pension Pay Office			
10.	District Treasury Office(s)			
11.	Sub- Treasury Office(s)			
12.	Account Branches			
13.	Any other			

For Connectivity of DDOs, the Bidder is not required to provide this connectivity.

Technical Staff Requirement for Operation & Maintenance of DC, DR and NDR				
1.	IT Infrastructure / Data Center Manager			
2.	Database Administrator with Proposed DB certification			
3.	Systems Administrator with Proposed OS certification			
4.	Security Expert with CISSP certification			
5.	Network Administrator with proposed OEM certification			
6.	Technical Support Service Executives			
7.	Others			
Help Desk & Field Support				
1.	Staff at Helpdesk for Employees			
2.	Technical coordinators (Field Support Staff)			
3.	Other Resources			
Training				
1.	Sensitization Training for FD, Treasury, PAO, etc. (approx. 500 Trainee)			
2.	Basic Computer Awareness for key resources			

S.NO.	SUBSYSTEM/ITEM	UNIT	QUANTITY	MAKE & MODEL
	identified for the project, Senior Accounts Officers/ Accounts Officers, Assistant Accounts Officer, Senior/ Junior Accountants, etc. (approx. 21500 Trainee)			
3.	Functional User Training (On Job training/ offsite) for staff members of respective sections (approx. 21500 Trainee)			
4.	Application administration training for IT team/ Key Administrators (approx. 25 Trainee)			
Other Items				
1.	Data Digitization			
2.	Data Migration			
3.	Other Items			

4.3. Procurement and Deployment Cost Table

S. NO.	PARTICULARS	UNIT	UNIT RATE	QUANTITY	AMOUNT	APPLICABLE TAXES & TAX RATE*	TAX AMOUNT	TOTAL
Data Centre Hardware Requirement								
1.	Database Server (Active - Active Cluster)							
2.	BI/DWH/Analytics Server							
3.	Application/Portal Server							
4.	Web Server							
5.	DMS/Workflow Server							
6.	Directory/Antivirus/Backup Server							
7.	SOA/ Integration Server							
8.	Reporting/Adhoc Reporting Server							
9.	EMS Servers							
10.	Server Load balancer							
11.	Firewall /Intrusion Prevention System							
12.	Core Switch							
13.	KVM Switches over IP for Racks							
14.	DMZ Switch							

S. NO.	PARTICULARS	UNIT	UNIT RATE	QUANTITY	AMOUNT	APPLICABLE TAXES & TAX RATE*	TAX AMOUNT	TOTAL
15.	Tape Library							
16.	SAN Storage (60 TB) + SAN Mgmt Software							
17.	SAN Switches							
18.	Internet Router							
19.	WAN Router							
20.	Rack – 42 U							
21.	Blade Chasis							
22.	HSM and DB encryption device							
23.	SSL VPN							
24.	DLP Solution							
25.	Log Management and Correlation Solution(SIEM)							
26.	WAN Optimization Device							
27.	Others							
Disaster Recovery Centre Hardware Requirement								
1.	Database Server (Active - Active Cluster)							

S. NO.	PARTICULARS	UNIT	UNIT RATE	QUANTITY	AMOUNT	APPLICABLE TAXES & TAX RATE*	TAX AMOUNT	TOTAL
2.	BI/DWH/Analytics Server							
3.	Application/Portal Server							
4.	Web Server							
5.	DMS/Workflow Server							
6.	Directory/Antivirus/Backup Server							
7.	SOA/ Integration Server							
8.	Reporting/Adhoc Reporting Server							
9.	EMS Servers							
10.	Server Load balancer							
11.	Firewall /Intrusion Prevention System							
12.	Core Switch							
13.	KVM Switches over IP for Racks							
14.	DMZ Switch							
15.	Tape Library							
16.	SAN Storage (60 TB) + SAN Mgmt Software							

S. NO.	PARTICULARS	UNIT	UNIT RATE	QUANTITY	AMOUNT	APPLICABLE TAXES & TAX RATE*	TAX AMOUNT	TOTAL
17.	SAN Switches							
18.	Internet Router							
19.	WAN Router							
20.	Rack – 42 U							
21.	Blade Chasis							
22.	HSM and DB encryption device							
23.	SSL VPN							
24.	DLP Solution							
25.	Log Management and Correlation Solution(SIEM)							
26.	WAN Optimization Device							
27.	Others							
NDR Hardware Requirement								
1.								
2.								
3.								

S. NO.	PARTICULARS	UNIT	UNIT RATE	QUANTITY	AMOUNT	APPLICABLE TAXES & TAX RATE*	TAX AMOUNT	TOTAL
System Software/ General Purpose Software								
1.	Operating System							
2.	Database Server							
3.	BI Solution							
4.	LDAP /Directory Server							
5.	Portal Server							
6.	SOA Suite							
7.	DMS /Workflow Server							
8.	EMS / NMS software							
9.	PKI base tokens (with Digital Signature)							
10.	GRC Tool							
11.	Adaptive Authentication							
12.	Antivirus and Antispam Solution							
13.	Any Other							
End User Infrastructure Requirement								
1.	Desktop (with OS, MSOffice)							
2.	Printer							
3.	Scanner							
4.	UPS (5KVA) with battery replacement after every 3 years							
5.	UPS (10 KVA) with battery replacement after every 3 years							
6.	N/W Printer (MFP)							
7.	Router							
8.	Switch							
9.	WAN Optimization Device							
10.	Biometric Device							
11.	Others							

S. NO.	PARTICULARS	UNIT	UNIT RATE	QUANTITY	AMOUNT	APPLICABLE TAXES & TAX RATE*	TAX AMOUNT	TOTAL
Hardware and Software for Helpdesk								
1.	Hand Set and Head Set							
2.	Any Additional Equipment's (IPBEX Etc.)							
3.	Desktop for helpdesk staff							
4.	Phone Connection & line							
5.	Others							
Network and Bandwidth Requirement								
1.	Data Center Backup Line							
2.	Data Center to Near DR							
3.	Helpdesk							
4.	Finance Department							
5.	Directorate of Treasury and Accounts							
6.	Directorate of Works and Accounts (including JDWA)							
7.	PAO, Hyderabad Office(s)							
8.	PAO (W&P) Office(s)							
9.	Pension Pay Office							
10.	District Treasury Office(s)							
11.	Sub- Treasury Office(s)							
12.	Account Branches							
13.	Any other							
Total								

4.4. Operation and Maintenance Cost Table

S. No.	Particulars	Unit	Applicable Taxes & Tax Rate*	Year 1 (for six months) of O&M Phase					Y2..Y5		Year 6 of O&M Phase					Total Amount for O&M Phase
				Unit Rate	Quantity	Amount	Tax Amount	Total for Y1	...	...	Unit Rate	Quantity	Amount	Tax Amount	Total for Y6	
Project Maintenance Support Charges																
Technical Staff Requirement for DC, DR and NDR																
1.	IT Infrastructure / Data Center Manager															
2.	Database Administrator with Proposed DB certification															
3.	Systems Administrator with Proposed OS certification															
4.	Security Expert with CISSP certification															
5.	Network Administrator with proposed OEM certification															
6.	Technical Support Service Executives															
7.	Other															
Help Desk & Field Support																
1.	Staff at Helpdesk for Employees															
2.	Technical coordinators (Field Support Staff)															
3.	Other Resources															

S. No.	Particulars	Unit	Applicable Taxes & Tax Rate*	Year 1 (for six months) of O&M Phase					Y2..Y5		Year 6 of O&M Phase					Total Amount for O&M Phase
				Unit Rate	Quantity	Amount	Tax Amount	Total for Y1	...	...	Unit Rate	Quantity	Amount	Tax Amount	Total for Y6	
Maintenance Charges																
1.	Hardware (including support charges from OEM)															
2.	Application Software (including update and upgrade pack from OEM)															
3.	System Software (including update and upgrade pack from OEM)															
4.	Support Software (including update and upgrade pack from OEM)															
5.	Other Items															
Network and Bandwidth Requirement																
1.	Data Center Backup Line															
2.	Data Center to Near DR															
3.	Helpdesk															
4.	Finance Department															
5.	Directorate of Treasury															

S. No.	Particulars	Unit	Applicable Taxes & Tax Rate*	Year 1 (for six months) of O&M Phase					Y2..Y5		Year 6 of O&M Phase					Total Amount for O&M Phase
				Unit Rate	Quantity	Amount	Tax Amount	Total for Y1	...	...	Unit Rate	Quantity	Amount	Tax Amount	Total for Y6	
	and Accounts															
6.	Directorate of Works and Accounts (including JDWA)															
7.	PAO, Hyderabad Office(s)															
8.	PAO (W&P) Office(s)															
9.	Pension Pay Office															
10.	District Treasury Office(s)															
11.	Sub- Treasury Office(s)															
12.	Account Branches															
13.	Any other															
Other Charges																
1.	Connectivity of FD and related offices															
2.	Digital Signature Renewal Fee															
3.	Other Items															
Total																