## E-GOVERNANCE MISSION MODE PROJECT (MMP)

## **CRIME & CRIMINAL TRACKING NETWORK AND SYSTEM**

## CLARIFICATIONS TO RFP FOR THE SELECTION OF SYSTEM INTEGRATOR FOR IMPLEMENTATION OF CCTNS PROJECT IN BIHAR

Date: 27-September-2016



Ministry Of Home Affairs, Government of India



Department Of Home, Government of Bihar

## **CLARIFICATIONS TO THE CCTNS RFP**

(F. No. CCTNS-Re-Tendering-2/2016)

- All Prospective bidders are advised to go through the details of Clarifications along with RFP carefully for preparation of bid document
- Bid documents submitted along with any variation, condition, assumption, suggestion with respect to terms and conditions of RFP will be liable for rejection

S. No.	Bidding Document Reference(s) (section number /page)	Content of RFP requiring Clarification	Points of clarification required	Response of Bihar Police
TechMa	ahindra Ltd.			
1.	Not mentioned	District Go-Live & State Go-Live	Please do not to link digitization and training with Go-live.	Pilot Go-Live is not linked with data digitization. As per RFP.
2.	Not mentioned	Final certified version of CAS is still not available	By when it will be ready.	At the time of the commencement of the implementation of the project, final version of the CAS will be decided by Bihar Police and handed-over to SI for customization.

3.	Not mentioned	Previous project experience related to Site Preparation and Installation and Commissioning of Client Side Infrastructure for multi-site, geographically spread Project locations. If location are: more than 2000 (5 marks), 1401-2000 (4 marks), 901-1400 (3 marks), 401-900 (2 marks), 400 or less (1 mark) (Bidder should submit relevant documentation such as LOI, Contract document, Client certificate etc. substantiating the scope of site preparation for no. of project locations covered in the project.)	Criteria need to be relaxed.	As per RFP
4.	Not mentioned	Change Request	Any scope after Go live shall be a Change request.	Please refer RFP Vol-II & III
5.	Not mentioned	Sign-off	Delay in sign off beyond 30 days of submission shall be treated as deemed accepted.	As per RFP
6.	Not mentioned	Exit Management	SI can also have equal termination rights i.e SI can also exit by giving one month notice.	As per RFP
7.	Not mentioned	Other interface will include citizen, external offices (Such as jail, courts and FSL) etc	This is always an issue with Govt. They need to be very specific.	As per RFP

8.	Not mentioned	Payment Terms 65% on Delivery at end locations and submission of Proof of Delivery (POD). 15% on Commissioning with CAS offline version of all line items (except Generator) to the concerned locations	Should be modified as "simply installing all the S/W and H/W" 3. 10% on achieving District Go-Live 4. 10% on achieving State Go-Live The payment will be made on Quarterly pro-rata basis.	As per RFP
9.	Not mentioned	Payment Terms	Should be 100% on pro-rata basis.	As per RFP
10.	Not mentioned	Payment Terms for DC & DR	Should be 10% after Go Live and 70% after delivery for DC and DR.	As per RFP
11.	Not mentioned	Payment Terms for Hardware	Should be 10% after Go live and 20% in beginning.	As per RFP
12.	Not mentioned	Milestones and Payment Schedules for Operations and Maintenance Phase:  The operations and maintenance phase is for a period of five years post Go-Live in the last district. The price quoted by the SI for the Operations and Maintenance phase be paid during the O&M phase. It will be divided into 10 equated installments and made as 10 equal payments (every six months) upon satisfactorily adhering to the SLAs as defined in this Contract	It should be Quarterly.	As per RFP

TCS Lt	TCS Ltd					
13.	Not mentioned	Tax	Price quoted should be exclusive of VAT/CST/Service Tax and the proposed GST. Taxes and duties prevailing at the time of invoice shall be applicable. All tenders nowadays have the provision of allowing for variation in rate on account of changes in rate of tax or incidence of a new tax or duty imposed by the Govt during the project Tenure	As per RFP		
14.	Not mentioned	Cap on penalty	There is no cap on penalty. The cumulative penalty on all accounts over the entire project duration should not exceed 10% of the total project cost.	As per RFP		
15.	Not mentioned	AMC of Existing Equipment in Training Centres	The OEMs do not support equipment beyond 5 years from date of sale. Most of the IT hardware in training centres is more than 5 years old. This requirement should be dropped.	As per RFP		
16.	Not mentioned	Data Digitization and Migration	Data digitization (scanning and data entry) should be de-linked from Go-Live completely. This is the most difficult milestone to meet.	In the Pilot Phase data digitization is de-linked with Go-Live. As per RFP		
17.	Not mentioned	Training	Achievement of targets in terms of number of persons trained is an impractical requirement and should be dropped. Instead target should be defined in terms of number of batches x number of days alone.	As per RFP		

18.	Not mentioned	Supply of Stationery & Consumables	Should be dropped from the scope. As SIs we do not have the expertise or infrastructure to handle the logistics involved in this	As per RFP
19.	Not mentioned	Traffic & Surveillance Module	There is no clarity on the exact requirement.  Either there should be greater clarity or it should be dropped.	Please refer RFP Vol-I
20.	Not mentioned	Limitations of Liability	SIs aggregate liability for actual damages shall be capped at 100% of the total amount paid to SI under that applicable statement of work that gives rise to such liability(as of the date liability arose). However, in the following cases, the liability of the SI shall be as per the actual damages:  1) Bodily injury(including death) and damage to real property and tangible personal property caused by SI's gross negligence and/or  2) Infringement of intellectual property rights  Neither party shall be liable to the other for any special, indirect, incidental, consequential (including loss of property or revenue), exemplary or punitive damages whether in contract, tort or other theories of law, even if such party has been advised of the possibility of such damages.	As per RFP
21.	Not mentioned	Technical specifications of Equipment	Specs in the RFP are old and should be made contemporary.	As per RFP

Trimax	Trimax					
22.	Vol-II, 5.4.1, Page 27	Payment Terms -Capex	Recommended to consider payment terms as annexure 1 attached	As per RFP		
23.	Vol-II, 5.4.2, Page 30	5.4.2 Milestones and Payment Schedules for Operations and Maintenance Phase The Operations and Maintenance Phase is for a period of five years post Go-Live in the last district. The price quoted by the SI for the Operations and Maintenance phase be paid during the O&M phase. It will be divided into 10 equated installments and made as 10 equal payments upon satisfactorily adhering to the SLAs as defined in the Volume 3 of this RFP. The payments during the Operations and Maintenance Phase will be made at the end of every six months.	Recommended to consider payment terms for Operation & Maintenance phase on monthly basis	As per RFP		

24.	Vol-II, Note, Page 86	Note: The above component wise pricing format is an approximate value to give an idea about it and is not limited to the mentioned fields only. The actual values may vary on actual field assessment. The above mentioned unit rates will be used for any change (increase/decrease) in quantity of supply and services during the tenure of the contract	Recommended to keep cap of maximum variation of quantity up to 5% of tender quantity.	As per RFP
25.	Vol-II, 6.6.3, Page 81	Form 2: Detailed Component-Wise Pricing Formats	In Pricing format, Quantity In column of component / Units in service is not specified.  Requested to provide quantity against each item including Table -J of Support manpower.	Please refer Bill of Material mentioned in RFP Vol-I.
26.	Vol-III, 2.15.3, Point no. ©, Page 15	In the event of any increase or decrease of the rate of taxes due to any statutory notification/s during the Term of the Agreement the consequential effect shall be to the account of the System Integrator.	In case of any increase/decrease of rates of taxes during contract period same should be revised and to be charged at actual at the time of billing Recommended amendment accordingly in the clause.	As per RFP

		Indemnification		
		2.17.1 Subject to Clause 3.17.2		
		below, System Integrator (the	Recommended modification as under:	
		"Indemnifying Party") undertakes to	2.17.1 Subject to Clause 3.17.2 below, System	
		indemnify CLIENT (the	Integrator (the "Indemnifying Party") undertakes	
		"Indemnified Party") from and	to indemnify CLIENT (the "Indemnified Party")	
		against all Losses on account of	from and against direct Losses on account of	
		bodily injury, death or damage to	bodily injury, death or damage to tangible	
27.	Vol-III,	tangible personal property arising in	personal property arising within Bidder's scope	A a man DED
	2.17.1,Page 17	favour of any person, corporation or	of work in favour of any person, corporation or	As per RFP
		other entity (including the	other entity (including the Indemnified Party)	
		Indemnified Party) attributable to the	attributable to the Indemnifying Party's	
		Indemnifying Party's performance or	performance or non-performance under this	
		non-performance under this	Agreement or the SLA to the extent of the	
		Agreement or the SLA to the extent	Indemnifying Party's comparative fault in causing	
		of the Indemnifying Party's	such Losses.	
		comparative fault in causing such		
		Losses.		

28.	Vol-III, C, Page 58	(iii) Penalties applicable for each of the high severity violations are two (2) % of respective half yearly payment to the SI. (iv) Penalties applicable for each of the medium severity violations are one (1%) of respective half yearly payment to the SI. (v) Penalties applicable for each of the low severity violations is half percentage (0.5%) of respective half yearly payment to the SI. (vi) Penalties applicable for not meeting a high (H) critical performance target in two consecutive half years on same criteria shall result in additional deduction of 5% of the respective half yearly payment to the SI. Penalty shall be applicable separately for each such high critical activity (vii) Penalties applicable for not meeting a medium (M) critical performance target in two consecutive half yearly periods on same criteria shall result in additional deduction of 3% of the respective half yearly payment to the SI. Penalty shall be applicable separately for	Recommended to keep cap of maximum limit of penalty up to 5% of contract value of O&M phase.	As per RFP
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		each such medium critical activity		
29.	Vol-I,9.7.13, Page 135	Ownership of all hardware/software in the name of Director General of Police, Bihar	As per payment terms Bidder will get partial payment on project go live against Hardware & Software. Balance amount of capex shall be released on equal instalment in 5 year. In view of this it would be recommended to consider ownership with bidder before hand over the project on completion of 5 year.	As per RFP
30.	Vol-II, 6.viii, Page 15	The bidder must have been assessed and certified for CMMi Level 3 or higher and must possess a valid certificate for CMMi Level 3 or higher at the time of bid opening.	Recommended modification as under: The bidder must have been each of following certification at the time of bid opening. ISO20000 ISO27001 ISO9001	As per RFP
31.	Vol-III,2.15.2 ©, Page 14	Payment shall be made within 30 working days of the receipt of invoice along with supporting documents by the CLIENT subject to penalties. The penalties are imposed on the vendor as per the SLA criteria specified in the SLA.	Payment shall be made within 15 working days of the receipt of invoice along with supporting documents by the CLIENT subject to penalties. Requested to amend this clause.	As per RFP

32.	Vol-II,5.3,Page 27	In the event of the Bidder's failure to submit the Bonds, Guarantees and Documents and supply the solution / equipment as per schedule specified in this RFP, Bihar Police may at its discretion withhold any payment until the completion of the contract. Bihar Police may also deduct from the Bidder as agreed, liquidated damages to the sum of 0.5% of the contract price of the delayed/undelivered services (as detailed in Volume I of this RFP) for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not more than 10% of the value of delayed services. This right to claim any liquidated damages shall be without prejudice to other rights and remedies available to Bihar Police under the contract and law.	Requested to keep maximum LD cap of 5% on Delayed Portion value.	As per RFP
33.	Vol-II,,3.4, Page 14	Bidder shall be an individual company registered in India. Consortium is not allowed	Request to allow consortium	As per RFP
34.	Vol II,3.4, Page 15	The bidder must have been assessed and certified for CMMi Level 3 or higher and must possess a valid certificate for CMMi Level 3 or higher at the time of bid opening.	Clause has to be deleted.	As per RFP

E-Conn	E-Connect Solutions Pvt. Ltd.				
35.	Section:3.2.9 Earnest Money Deposit (EMD), Pg No. 08	Bidders shall submit, along with their Bids, EMD of Rupees 2 Crore only, in the form of a Demand Draft or Bank Guarantee (BG) issued by a nationalized bank in favor of "Director General of Police, Bihar" payable at Patna and valid for 180 days from the due date of the tender. Bid security in any other form will not be accepted.  BG shall be submitted as per the format provided in the Annexure 6.9 as specified in this RFP.	We would like to request you to amend the issuance of BG from Nationalized Bank to Scheduled Bank/ Nationalized Bank.	As per RFP	
36.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 14	Bidder shall be an individual company registered in India. Consortium is not allowed.	We would like to request you to allow consortium of at least Two Companies.	As per RFP	
37.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 14	Bidder blacklisted by any State Government or Government of India in the last three years from the date of submission of bid for any IT project will be declared ineligible. Its bid will be summarily rejected at Pre- Qualification Stage.	We would like to request you to amend this clause as: Bidder and its consortium partner blacklisted by any State Government or Government of India in the last three years from the date of submission of bid for any IT project will be declared ineligible. Its bid will be summarily rejected at Pre-Qualification Stage.	As per RFP	

38.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 14	The Bidder must have an office in Bihar or should furnish an undertaking that the same would be established within two months of signing the contract.	We would like to request you to amend this clause as: Any of the Bidder (Lead Bidder or consortium Partner) must have an office in Bihar or should furnish an undertaking that the same would be established within two months of signing the contract.	As per RFP
39.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 14	The Bidder, together with group company should be making an average annual profit in last 3 years and must have a net worth of Rs 50 Crore and an average annual turnover of not less than Rs 500 crore for the last three financial years as on 31-03-2015.	We would like to request you to amend this clause as:  The Bidder, together with group company should be making an average annual profit in last 3 years and must have a net worth of Rs 50 Crore and an average annual turnover of not less than Rs 500 crore for the last three financial years as on 31-03-2015.  The Consortium Partner, together with group company should be making an average annual profit in last 3 years and must have a Positive net worth and an average annual turnover of not less than Rs 50 crore for the last three financial years as on 31-03-2015	As per RFP

			We would like to request you to amend this clause as:	
			The Lead Bidder must have a proven track record	
			of providing a successful 'Turnkey Solution' for	
			at least five (5) IT-projects out of which there	
			may be five(5) IT-projects of Rs 20 Crores/3 IT-	
		The Bidder must have a proven track	projects of Rs 35 crores/2 IT-projects of Rs 50	
		record of providing a successful	crores/1 IT-project of Rs 100 crores in India	
		'Turnkey Solution' for at least five	including setting up and configuring the hardware	
		(5) IT-projects out of which there	(Servers, Desktop, Network Clients) and	
		may be five(5) IT-projects of Rs 20	implementing software solution including	
		Crores/3 IT-projects of Rs 35	Operating Systems, Infrastructure Management	
	Section:3.4.3	crores/2 IT-projects of Rs 50 crores/1	Software, RDBMS, establishment of LAN /	
40.	Pre-	IT-project of Rs 100 crores in India	WAN including Firewalls, IPS, PKI, etc. and	
40.	Qualification	including setting up and configuring	providing life cycle support.	As per RFP
	Criteria, Pg	the hardware (Servers, Desktop,	OR	
	No. 14	Network Clients) and implementing software solution including Operating	OK	
		Systems, Infrastructure Management	The Bidder/ Consortuim Partner must have a	
		Software, RDBMS, establishment of	proven track record of providing a successful	
		LAN / WAN including Firewalls,	'Turnkey Solution' for at least five (5) IT-projects	
		IPS, PKI, etc. and providing life	out of which there may be five(5) IT-projects of	
		cycle support.	Rs 5 Crores/3 IT-projects of Rs 7 crores/2 IT-	
		eyele support.	projects of Rs 10 crores/1 IT-project of Rs 20	
			crores in India including setting up and	
			configuring the hardware (Servers, Desktop,	
			Network Clients) and implementing software	
			solution including Operating Systems,	
			Infrastructure Management Software, RDBMS,	

41.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 15	The Bidder must have a proven track record of implementing at least two (2) e-Governance projects for Government(Centre/State) summing up to a value of Rs 10 Crores. Ongoing projects certificate, Purchase Order for ongoing projects from any State Govt./ Central govt. is allowed to be furnished for fulfillment of this clause	establishment of LAN / WAN including Firewalls, IPS, PKI, etc. and providing life cycle support.  We would like to request you to amend this clause as: Any of the bidder or its consortium partner must have a proven track record of implementing at least Five (5) e-Governance projects for Government(Centre/State) summing up to a value of Rs 10 Crores. Ongoing projects certificate, Purchase Order for ongoing projects from any State Govt./ Central govt. is allowed to be furnished for fulfillment of this clause  OR  The Bidder/ Consortium Partner must have a proven track record of implementing at least two (2) e Governance projects for Government(Centre/State) summing up to a value of Rs 10 Crores. Ongoing projects certificate, Purchase Order for ongoing projects from any State Govt./ Central govt. is allowed to be furnished for fulfillment of this clause.	As per RFP
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42.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 15	The bidder must have prior experience of working on at least 1 Software Services Project for any large scale enterprise /Government. The project must be worth at least Rs. 1 Crore	We would like to request you to amend this clause as: The Lead bidder or its consortium partner must have prior experience of working on at least 1 Software Services Project for any large scale enterprise /Government. The project must be worth at least Rs. 1 Crore	As per RFP
43.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 15	The bidder must have been assessed and certified for CMMi Level 3 or higher and must possess a valid certificate for CMMi Level 3 or higher at the time of bid opening.	We would like to request you to amend this clause as: The Lead bidder must have been assessed and certified for CMMi Level 3 or higher and must possess a valid certificate for CMMi Level 3 or higher at the time of bid opening.	As per RFP
44.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 16	The bidder must have been assessed and certified for ISO 9001 or above.	We would like to request you to amend this clause as: Any of the bidder must have been assessed and certified for ISO 9001 and ISO 20000-1:2011 or above.	As per RFP
45.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 16	The company should have the experience of facilitating communication network in more than 500 points within a specific geographical location in one single wide area network.	We would like to request you to remove this clause.	As per RFP

46.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 16	The bidder must have experience in delivering training/ capacity building for at least 2000 client personnel in one year in any of the last 3 years. The training/ capacity building shall be delivered as part of IT project implementations.	We would like to request you to amend this clause as: The bidder/Consortium Partner must have experience in delivering training/ capacity building for at least 700 client personnel in one year in any of the last 3 years. The training/ capacity building shall be delivered as part of IT project implementations.	As per RFP
47.	Section:3.4.3 Pre- Qualification Criteria, Pg No. 16	The bidder must have the previous experience in data digitization projects which involved digitization of at least 5 lakh records of single order in the last 3 years.	We would like to request you to amend this clause as: Any of the bidder (Lead bidder or its consortium partner) must have the previous experience in data digitization projects which involved digitization of at least 5 lakh records of single order in the last 3 years.	As per RFP

48.	Section 3.4.5 Technical Evaluation Scoring Matrix: Schedule A, Page No.18 B	Previous project experience related to Site Preparation and Installation and Commissioning of Client Side Infrastructure for multi-site, geographically spread Project locations. If location are: more than 2000 (5 marks), 1401-2000 (4 marks), 901-1400 (3 marks), 401-900 (2 marks), 400 or less (1 mark) (Bidder should submit relevant documentation such as LOI, Contract document, Client certificate etc. substantiating the scope of site preparation for no. of project locations covered in the project.)	We would like to relax this clause as: Previous project experience related to Site Preparation and Installation and Commissioning of Client Side Infrastructure for multi-site, geographically spread Project locations. (Bidder should submit relevant documentation such as LOI, Contract document, Client certificate etc. substantiating the scope of site preparation for no. of project locations covered in the project.)	As per RFP
49.	Section 3.4.5 Technical Evaluation Scoring Matrix: Schedule A, Page No. 18 C	Previous project experience related to Networking for multi-site, geographically spread project locations. Certificate of compliance of availability of network for any month of a particular project: 98% and above (3 Marks), 90-<98% (2 Marks), 80-<90% (1 Mark), <80% (0 Mark) (Bidder should submit relevant documentation such as LOI, Contract document, Client certificate etc. substantiating the scope and compliance of network availability (%) in the project.)	We would like to relax this clause as: Previous project experience related to Networking for multi-site, geographically spread project locations. Certificate of compliance of availability of network for any month of a particular project: (Bidder should submit relevant documentation such as LOI, Contract document, Client certificate etc. substantiating the scope and compliance of network availability (%) in the project.)	As per RFP

50.	Section 3.4.5 Technical Evaluation Scoring Matrix: Schedule A, Page No. 18 F	Previous project experience in implementing Capacity Building / Change Management* 10,000 client personnel (4), 5000 client personnel (3), 2000 client personnel (2) (Bidder should submit relevant documentation such as LOI, Contract document, Client certificate etc. substantiating the scope of capacity building / change management for no. of client personnel in the project. Capacity Building/Training here does not mean teaching to children/ below 18 years. It means training to Office goers and adults which require a different pedagogy.)	We would like to relax this clause as: Previous project experience in implementing Capacity Building / Change Management* 700 client personnel(4), 500 client personnel (3), 200 client personnel (2) (Bidder should submit relevant documentation such as LOI, Contract document, Client certificate etc. substantiating the scope of capacity building / change management for no. of client personnel in the project. Capacity Building/Training here does not mean teaching to children/ below 18 years. It means training to Office goers and adults which require a different pedagogy.)	As per RFP
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NIIT T	NIIT Technologies Limited				
51.	State Go-Live: Volume III/ page 43	Completion of at least 80% of Data Digitization / Migration (of the data made available by Bihar Police) and validated by the State/ SPMU.	Request department to completely <b>delink</b> the data Digitization / Migration/ scanning (of the data made available by Bihar Police) from State go live.  As you are aware that data entry is humongous task and take a lot of time to complete accurately. We as SI promise to try our level best to complete it on time and we will start the work as parallel activity in the beginning of the project. However this should be delinked from state go live. This will help the department to achieve the time line and Si to get all the payment once work in completed.	Pilot Go-Live is not linked with data digitization.	
52.	2.15.3 Tax/ Volume iii of the RFP/Page 15	In the event of any increase or decrease of the rate of taxes due to any statutory notification/s during the Term of the Agreement the consequential effect shall be to the account of the System Integrator.	Price quoted should be exclusive of VAT/CST/Service Tax and the proposed GST. Taxes and duties prevailing at the time of invoice shall be applicable. All tenders nowadays have the provision of allowing for variation in rate on account of changes in rate of tax or incidence of a new tax or duty imposed by the Govt during the project tenure.	As per RFP	

53.	Page 66/ Volume: 1	Paper and Toner Cartridge required in Police Locations are to be provided by SI. Bidder is expected to consider following details for estimating costs for consumables:  1. Toner/cartridge:  a) 1 Toner cartridge for Multi-Function printer for every 2 months for each of the PS and higher offices  b) 1 Toner cartridge for Laser Jet Network Printer for every 2 months for each of the PS and higher offices  2. Paper:  a) Higher offices – 2 reams of paper/Month  PS – 1 reams of paper/Month	Should be dropped from the scope. As we are facing issues to supplying the toner and cartridges / consumable to the police station due to storing and distribution. It has self-life and cast be purchased in buck to meet the police station demand. It is advisable to remove from the O&M and department should purchase it by their own as per the Printer model no supplied to the department.	As per RFP
54.		Cap no Penalty	entire project duration should not exceed 10% of the total project	As per RFP

55. 56.	AMC of Existing Equipment in Training Centres  Traffic & Surveillance Module.	The OEMs do not support equipment beyond five years from date of sale. Most of the IT hardware in training centres is more than 5 years old. This requirement must be dropped or request you to put in the new supply so that AMC would be together.  There is no clarity on the exact requirement.  Either there should be greater clarity or it should be dropped	As per RFP  As per RFP
57.	Limitation of Liability	SI's aggregate liability for actual damages shall be capped at 100% of the total amount paid to SI under that applicable statement of work, that gives rise to such liability (as of the date the liability arose); However, in the following cases, the liability of the SI shall be as per actual damages: 1) bodily injury (including death) and damage to real property and tangible personal property caused by SI's gross negligence and/or 2) infringement of intellectual property rights.  Neither party shall be liable to the oth er for any special, indirect, incidental, consequential (including loss of profit or revenue), exemplary or punitive damages whether in contract, tort or other theories of law, even if such party has been advised of the possibility of such damages	As per RFP

Inspiria	Inspiria				
58.	RFP Vol-I, page no. 160, Router*	2 x 10/100Base-T WAN interfaces	"10/100" Fast Ethernet is slow speed interface and not relevant in now a days high speed network, so kindly amend the clause as : "2 x 10/100/1000 Base-T WAN interfaces"	As per RFP	
59.	RFP Vol-I, page no. 160, Router*	5 x 10/100Base-T switched LAN ports	5 x "10/100" is favouring certain OEM's and Fast Ethernet is slow speed interface and not relevant in now a days high speed network, so kindly amend the clause as:  "4 x 10/100/1000 Base-T switched LAN ports"	As per RFP	
60.	RFP Vol-I, page no. 160, Router*	1 x Asynchronous port / Modem Port	Asynchronous port is an old technology and was used for remote management. Now a days high speed Management interfaces are available. So requesting to Remove the Clause	As per RFP	
61.	RFP Vol-I, page no. 160, Router*	Should support minimum 6 service slots	6 service slots - is favouring certain OEM's and not relevant to the requirement of Router asked for, So requesting to Remove the Clause.	As per RFP	
62.	RFP Vol-I, page no. 160, Router*	Router should support for ISDN BRI, PRI, gigabit fiber, 3G, CH E1 interfaces	ISDN BRI & PRI, 3G & CH E1 is an old technology and does not provided by most of ISP's in India and very slow speed interfaces, So considering the network architecture kindly amend the clause as:  "Router should support for gigabit copper/fiber, E1/T1/Serial interfaces"	As per RFP	
63.	RFP Vol-I, page no. 160, Router*	Router performance should be minimum of 1100 Kpps	Router performance of 1100 Kpps is favouring certain OEM's and not relevant to the requirement, Kindly amend the clause as: "Router performance should be minimum of 1000 Kpps"	As per RFP	

64.	RFP Vol-I, page no. 160, Router*	VPN, L2TP, GRE, IPSec, IKE	MPLS is much more advanced technology compared to L2TP and the same is a primitive one, So kindly add MPLS also and amend the clause as:  "VPN, L2TP/MPLS, GRE, IPSec, IKE"	As per RFP
65.	RFP Vol-I, page no. 160, Router*	GRE, L2TP	MPLS is much more advanced technology compared to L2TP and the same is a primitive one, So kindly add MPLS also and amend the clause as:  "GRE, L2TP/MPLS"	As per RFP
66.	RFP Vol-I, page no. 160, Router*	X.25	X.25 is a primitive type of technology and now a days it is not used at all and it is favouring a single OEM.	As per RFP
67.	RFP Vol-I, page no. 160, Router*	Addition	For better compliance and Recommended for better IT Security of Bihar CCTNS specification this point needs to be included "The Appliance should be EAL3/NDPP/RoHS Certified"	As per RFP
68.	RFP Vol-I, page no. 157, Core Switch	Switching Capacity: Minimum 480Gbps or above	Considering the architectural diagram and the requirement asked for the switching capacity should be increased, So amend the clause as:  "Switching Capacity: Minimum 4 Tbps or above"	As per RFP
69.	RFP Vol-I, page no. 157, Core Switch	Switch should have minimum 3 I/O modules apart from the switching fabric modules	Considering the future scalability and since it is a data centre scenario it is better the increase I/O slots to 6, Kindly amend the clause as:  "Switch should have minimum 6 I/O modules apart from the switching fabric modules"	As per RFP

70.	RFP Vol-I, page no. 157, Core Switch	· 8 ports x 10G-SR transceivers for up linking between Edge/Distribution Switch to Core switch	For connecting Core to distribution 2x10G port is sufficient. One for Active link and other one for backup, also 10G ports are costlier ports. So to reduce the cost kindly amend the clause as:  "2 ports x 10G-SR transceivers for up linking between Edge/Distribution Switch to Core switch"	As per RFP
71.	RFP Vol-I, page no. 157, Core Switch	<ul><li>Firewall module</li><li>IPS module</li><li>Wireless LAN services module</li></ul>	The asked feature is Specific to single OEM. so requesting the Remove the clause for better competition and other OEM participation.	As per RFP
72.	RFP Vol-I, page no. 157, Core Switch	a. Proposed switching fabric/supervisor engine should support for minimum 480 Gbps with virtual distributed architecture.(The virtual distribution architecture allows for the combination of two switches into a single logical network entity from the network control-plane and management perspectives. To the neighboring devices, the Virtual Switching System appears as a single, logical switch or router.)	The asked feature is Specific to OEM's. so requesting the Remove the clause for better competition and other OEM participation.	As per RFP

73.	RFP Vol-I, page no. 157, Core Switch	Switch should be loaded with required hardware to provide forwarding rate of minimum 270 Mpps ( for IPV4 )	Higher Mpps will increase better performance of the core switch and the same is relevant if we considered data centre requirement and architectural diagram. So kindly amend the clause as:  "Switch should be loaded with required hardware to provide forwarding rate of minimum 620 Mpps (for IPV4)"	As per RFP
74.	RFP Vol-I, page no. 157, Core Switch	OEM Make - Top 5 in IDC /Gartner reports (quarter ending December "10 or March "11) in terms of revenue market share	2010 and 2011 reports of Gartner and IDC are very old reports where as 2015 report is latest and that should be considered and the OEM should be present in the report - "The Appliance OEM should be in Gartner/IDC Report 2015"	As per RFP
75.	RFP Vol-I, page no. 157, Core Switch	Addition	For better compliance and Recommended for better IT Security of Bihar CCTNS specification this point needs to be included "The Appliance should be EAL3/NDPP/RoHS Certified"	As per RFP
76.	RFP Vol-I, page no. 146, Firewall	Firewall Throughput of minimum 8 Gbps	Kindly amend the clause as below so that we can participate - "Firewall Throughput of minimum 7 Gbps or more"	As per RFP
77.	RFP Vol-I, page no. 146, Firewall	IPSEC 3DES Throughput of Up to 2 Gbps	As per the requirement and architectural requirement 1 Gbps of IPSec throughput enough - requesting to amend the clause as below - "IPSEC 3DES Throughput of 1 Gbps or more"	As per RFP

78.	RFP Vol-I, page no. 146, Firewall	Concurrent Sessions of at least 1,400,000	14 Lacs concurrent sessions is too high as per the requirement engisaged, kindly reduce the value - "Concurrent Sessions of at least 350,000"	As per RFP
79.	RFP Vol-I, page no. 146, Firewall	IPSec VPN Peers of up to 2500	VPN Peers and Tunnels are equivalent technology and 2000 value change will enable us to participate - "IPSec VPN Peers/Tunnels of up to 2000"	As per RFP
80.	RFP Vol-I, page no. 146, Firewall	Shall support virtual Firewall	This appliance is too small to have virtual firewall moreover they are required at MSSP levels not DC levels, so requesting to change the clause as below - "Shall support virtual Firewall/Security Zones"	As per RFP
81.	RFP Vol-I, page no. 146, Firewall	Addition	For better compliance and Recommended for better IT Security of Bihar CCTNS specification this point needs to be included "The Appliance should be EAL3/NDPP/RoHS Certified"	As per RFP
82.	RFP Vol-I, page no. 147, Intrusion Prevention System (IPS)	Should not induce Latency into the Network, Latency should be less than 200 microseconds	This is specific to a particular OEM. Kindly remove this specification	As per RFP
83.	RFP Vol-I, page no. 147, Intrusion Prevention System (IPS)	IPS should operate effectively and protect against high risk, high impact malicious traffic via default out of box configuration, should be able to block more than 2000+ attacks by default.	Blocking 2000+ attack is specific to a particular OEM. Hence would request you to change the clause to" IPS should operate effectively and protect against high risk, high impact malicious traffic via default out of box configuration"	As per RFP

84.	RFP Vol-I, page no. 147, Intrusion Prevention System (IPS)	IPS should fail open in case of power, software or hardware failure when deployed in standalone mode.	This is a functionality of a dedicated NIPS solution and not of a UTM solution. Hence, kindly remove this specification.	As per RFP
85.	RFP Vol-I, page no. 147, Intrusion Prevention System (IPS)	Management Console should be able to integrate and correlate with vulnerability assessment solution of the same brand/ third party.	This is specific to a particular OEM. Kindly remove this specification	As per RFP
86.	RFP Vol-I, page no. 147, Intrusion Prevention System (IPS)	Shall support virtual IPS	This is a functionality of a dedicated NIPS solution. Hence, kindly remove this specification.	As per RFP
87.	RFP Vol-I, page no. 149, Gateway Level Antivirus	In terms of SMTP AV scanning the solution should not act as mail relay or MTA by itself.	This is specific to a particular OEM. Kindly remove this specification	As per RFP
88.	RFP Vol-I, page no. 149, Gateway Level Antivirus	Antivirus throughput of the appliance should be more than 900 Mbps minimum.	Not all vendors publish Antivirus throughputs of an appliance, hence, would request you to kindly delete the clause.	As per RFP

89.	RFP Vol-I, page no. 139, Database Servers	Minimum 4x octa-core processor with 2GHz or above with minimum 1066Mhz FSB / 2000 MT /s expandable to 8 physical processor with min 6 MB L3 cache per processor.	"Minimum 4x octa-core processor with 2.0 GHz or above with minimum 1066Mhz FSB / 2000 MT/s capable to cluster to other server" Using 8 processor in single Server is a primitive practice. It is favouring to one vendor. If you ask for server in small form factor like 4 proc in one chassis it will be open to all and also client will be more secured for physical server failure	As per RFP
90.	RFP Vol-I, page no. 139, Database Servers	Support for Microsoft® Windows 2008 & latest version of Linux / Solaris	"Support for Microsoft® Windows 2008 & latest version of win or Linux " Dell support only Win or Linux	As per RFP
91.	RFP Vol-I, page no. 139, Database Servers	FC Ports 2 x 4 Gbps Fiber Channel Ports	"FC Ports 2 x 8 Gbps Fiber Channel Ports" 4 gbps is primitive technology pl upgrade it to 8 or 16 G	As per RFP
92.	RFP Vol-I, page no. 139, Other Servers (Web, Application, Directory, Communicatio n, EMS & Backup):	Products Certifications  Windows and Linux Certification, UL, FCC, Should be in the in the list of top 5 server brands as per IDC report published for India during year 2010.	"Windows and Linux Certification, UL, FCC, Should be in the in the list of top 5 server brands as per IDC report published for India during year 2014" Pl ask for latest report as 2010 is extremely old one since then many company has changed their product and business	As per RFP
93.	RFP Vol-I, page no. 164, Desktop	Desktop, Expansion slots: 1 PCI, 2 PCI expressx1, 1 PCI expressx16	"Request for 4 PCI/PCIe slots with minimum 1 x16" Request for 3 PCI x1, 1 PCI x16	As per RFP

94.	RFP Vol-I, page no. 164, Desktop	Processor: Should have multi-core X86 processor SPEC CPU2006 benchmarked with SPEC rating at least in the range of 45 – 50 or higher (60% of SPEC Int rate base2006 plus 40% of SPEC fp rate base2006 scores)	"Should have multi-core X86 processor SPEC* CPU2006 benchmarked with SPEC* rating at least in the range of 85 – 100 or higher (60% of SPEC* Int rate base2006 plus 40% of SPEC* fp rate base2006 scores) " Request for Intel i3 or AMD A-8-6500 and above	As per RFP
95.	RFP Vol-I, page no. 164, Desktop	Internal Hard Disk/Speed: 320 GB SATA (7200 RPM) or higher	Request for 500GB	As per RFP
96.	RFP Vol-I, page no. 164, Desktop	External I/O ports: Rear: 6 USB 2.0, 2 PS/2, 1 RJ-45, 1 VGA, audio in/out; Front: 2 USB 2.0, headphone and microphone slot.	Request for change on External I/O ports – Rear 2 USB 3.0 and 2 USB 2.0	As per RFP
97.	RFP Vol-I, page no. 164, Desktop	Power requirements: Indian Standard with energy star certified	Request for the Indian Standard min 180W	As per RFP
98.	RFP Vol-I, page no. 164, Desktop	Management: Out of band Management, OEM Rescue and Recovery Software (for user data, applications, OS and Driver)	Non Standard terms, Request for deletion	As per RFP
99.	RFP Vol-I, page no. 164, Desktop	System with Power management features & Desktop Management Interface implementation	Non Standard terms, Request for deletion	As per RFP

100.	RFP Vol-I, page no. 164, Desktop	Power-On Password (via BIOS), Setup Password (via BIOS)	Non Standard terms, Request for deletion	As per RFP
101.	RFP Vol-I, page no. 164, Desktop	Certification: UL, FCC / ERTL, Energy Star 5.0 / Greenpeace 7.0 or above / EPEAT (Gold).	Non Standard terms, Request for deletion	As per RFP
102.	Vol-I , 9.7.19, Server Load Balancer, page 144	Should have minimum 6 x 10/100/1000 BaseT Ports plus 2 x 1000Base -Lx Port.	As per RFP, there is no LX port in switches or servers specification. To avoid connectivity challenge between load balancer, servers and switches, we request to amend the clause as "Should have minimum 6 x 1G copper Ports plus 2 x 1G SFP Port.".	As per RFP
103.	Vol-I, 9.7.19, Server Load Balancer, page 144	Should provide minimum 2 Gbps Layer-7 throughput and can be scalable to 4-Gbps throughput.	The specification is at very lower side. Refering successfully implemented other state CCTNS projects, we request to amend the clause as "Should provide minimum 10 Gbps throughput from day one scalable 15 Gbps."	As per RFP
104.	Vol-I, 9.7.19, Server Load Balancer, page 144	Should have non-blocking 50 Gbps backplane	This clause belongs to ASIC based architecture where server load balancer works upto Layer 7 and CPU based architecture is having advantage on it. For better performance balancing layer 7 application, load balancers are built on cpu based architecture now a days. Request to amend this clause as "Should be appliance based solution with high performance purpose built hardware"	As per RFP

105.	Vol-I, 9.7.19, Server Load Balancer, page 144	Should provide minimum 5000 SSL TPS for SSL offloading scalable to 15,000 TPS for future requirement.	Bit encryption details is missing for which bidders may encourage to supply 1024 bit encryption which is out of date. So we request to amend this clause as "should have minimum 5000 SSL TPS (2048 bit encryption) or 25000 SSL TPS (1024 bit encryption)"	As per RFP
106.	Vol-I, 9.7.19, Server Load Balancer, page 145	Should provide minimum SSL throughput equal to the compression throughput i.e. 1Gbps	The specification is at very lower side. Refering successfully implemented other state CCTNS projects, we request to amend the clause as "Should provide minimum SSL throughput of 5 Gbps"	As per RFP
107.	Vol-I, 9.7.19, Server Load Balancer, page 144	Should have minimum 6 x 10/100/1000 BaseT Ports plus 2 x 1000Base -Lx Port.	As per RFP, there is no LX port in switches or servers specification. To avoid connectivity challenge between load balancer, servers and switches, we request to amend the clause as "Should have minimum 6 x 1G copper Ports plus 2 x 1G SFP Port."	As per RFP
108.	NIL	additional clause suggestion for performance benefit	The appliance should support minimum 512GB SSD drive for performance and power savings benefits at the component level	As per RFP
109.	NIL	additional clause suggestion for must to have IPV6 compliance as per DIT guide line	Appliance should provide full ipv6 support and OEM should be IPv6 gold-certified. OEM should be listed vendor for ipv6 phase-2 certification.	As per RFP
110.	NIL	additional clause suggestion for advanced Fast Fail Over HA feature	Should support USB based FFO link to synchronize configuration at boot time to keep consistence configuration on both units of HA. should have support for secondary communication link for backup purpose	As per RFP

111.	NIL	additional clause suggestion for performance benefit	Should support floating IP address and group for state full failover support. Appliance should have support 256 floating IP address for a floating group	As per RFP
112.	NIL	additional clause suggestion for appliance security	Appliance should have security features like reverse proxy firewall, Syn-flood and dos attack protection features from the day of installation.	As per RFP
113.	NIL	additional clause suggestion ensuring quality of post-sale support and OEM establishment in India	Technical Assistance Center must be available in India from last 4years with toll free number.  OEM should have minimum 25 employees in India and business commencement in India before 5 years	As per RFP
HP				
114.	Vol-I Page 164	Processor: Should have multi-core X86 processor SPEC CPU2006 benchmarked with SPEC rating at least in the range of 45 –50 or higher (60% of SPEC Int rate base2006 plus 40% of SPEC fp rate base2006 scores) Chipset: Latest generation with Intel core i3 /AMD Phenom X2 or higher Motherboard :OEM Motherboard	The SPEC score of 45-50 is for Celeron/dual core whereas core i3 is mentioned. Please clarify the requirement.	As per RFP
115.	Vol-I Page 164	Expansion slots: 1 PCI, 2 PCI expressx1, 1 PCI expressx16	Legacy PCI slot is not available in latest models. Request you to remove. PCI express is available.	As per RFP

116.	Vol-I Page 166	Multi- Function printer (MFP: Print, Scan, Copy)	Pls mention it is a A4 speed and if possible increase the speed to 18 ppm	As per RFP
117.	Vol-I Page 166	Multi- Function printer (MFP: Print, Scan, Copy)	Please change to 480 W or lower as it is limiting participation	As per RFP
118.	Vol-I Page 166	Laser-Jet Network Printer (Duplex)	Pls mention it is a A4 speed and if possible increase the speed to 18 ppm	As per RFP
119.	Vol-I Page 166	Laser-Jet Network Printer (Duplex)	Request change of memory to 128 MB	As per RFP
120.	Vol-I Page 167	Laser-Jet Network Printer (Duplex)	Please change to 480W or lower as it is limiting participation	As per RFP
121.	Vol-I Page 66	Paper and Toner Cartridge required in Police Locations are to be provided by SI. Bidder is expected to consider following details for estimating costs for consumables:  1. Toner/cartridge:  a) 1 Toner cartridge for Multi-Function printer for every 2 months for each of the PS and higher offices b) 1 Toner cartridge for Laser Jet Network Printer for every 2 months for each of the PS and higher offices	The RPF is silent about the usage of "Original Toner". The word "Toner" has to be replaced with "Original Toner Manufactured by the Printer Manufacturer"	As per RFP

Comguard, Amtrak & Array Networks(same queries)				
122.	Vol-I, 9.7.19, Server Load Balancer, page 144	Should have minimum 6 x 10/100/1000 BaseT Ports plus 2 x 1000Base -Lx Port.	As per RFP, there is no LX port in switches or servers specification. To avoid connectivity challenge between load balancer, servers and switches, we request to amend the clause as "Should have minimum 6 x 1G copper Ports plus 2 x 1G SFP Port.".	As per RFP
123.	Vol-I, 9.7.19, Server Load Balancer, page 144	Should provide minimum 2 Gbps Layer-7 throughput and can be scalable to 4-Gbps throughput.	The specification is at very lower side. Referring successfully implemented other state CCTNS projects, we request to amend the clause as "Should provide minimum 10 Gbps throughput from day one scalable 15 Gbps."	As per RFP
124.	Vol-I, 9.7.19, Server Load Balancer, page 144	Should have non-blocking 50 Gbps backplane	This clause belongs to ASIC based architecture where server load balancer works upto Layer 7 and CPU based architecture is having advantage on it. For better performance balancing layer 7 application, load balancers are built on cpu based architecture now a days. Request to amend this clause as "Should be appliance based solution with high performance purpose built hardware"	As per RFP
125.	Vol-I , 9.7.19, Server Load Balancer, page 144	Should provide minimum 5000 SSL TPS for SSL offloading scalable to 15,000 TPS for future requirement.	Bit encryption details is missing for which bidders may encourage to supply 1024 bit encryption which is out of date. So we request to amend this clause as "should have minimum 5000 SSL TPS (2048 bit encryption) or 25000 SSL TPS (1024 bit encryption)"	As per RFP

126.	Vol-I, 9.7.19, Server Load Balancer, page 145	Should provide minimum SSL throughput equal to the compression throughput i.e. 1Gbps	The specification is at very lower side. Refering successfully implemented other state CCTNS projects, we request to amend the clause as "Should provide minimum SSL throughput of 5 Gbps"	As per RFP
127.	NIL	additional clause suggestion for performance benefit	The appliance should support minimum 512GB SSD drive for performance and power savings benefits at the component level	As per RFP
128.	NIL	additional clause suggestion for must to have IPV6 compliance as per DIT guide line	Appliance should provide full ipv6 support and OEM should be IPv6 gold-certified. OEM should be listed vendor for ipv6 phase-2 certification.	As per RFP
129.	NIL	additional clause suggestion for advanced Fast Fail Over HA feature	Should support USB based FFO link to synchronize configuration at boot time to keep consistence configuration on both units of HA. should have support for secondary communication link for backup purpose	As per RFP
130.	NIL	additional clause suggestion for performance benefit	Should support floating IP address and group for state full failover support. Appliance should have support 256 floating ip address for a floating group	As per RFP
131.	NIL	additional clause suggestion for appliance security	Appliance should have security features like reverse proxy firewall, Syn-flood and dos attack protection features from the day of installation.	As per RFP
132.	NIL	additional clause suggestion ensuring quality of post-sale support and OEM establishment in India	Technical Assistance Center must be available in India from last 4years with toll free number.  OEM should have minimum 25 employees in India and business commencement in India before 5 years	As per RFP

HPE	HPE					
133.	Vol-I, Page 158, Core Switch	<ul><li>Firewall module</li><li>IPS module</li><li>Wireless LAN services module</li></ul>	Please remove this clause	As per RFP		
134.	Vol-I, Page 158, Core Switch	Switch should be loaded with required hardware to provide forwarding rate of minimum 270 Mpps ( for IPV4 )	Switch should be loaded with required hardware to provide forwarding rate of minimum 357 Mpps (for IPV4)	As per RFP		
135.	Vol-I, Page 160, Router	2 x 10/100Base-T WAN interfaces	Please revise as "2 x 10/100/1000 Base-T WAN Interfaces"	As per RFP		
136.	Vol-I, Page 160, Router	5 x 10/100Base-T switched LAN ports	Please revise as "4 x 10/100/1000 Base-T LAN Interfaces"	As per RFP		
137.	Vol-I, Page 162, Router	Web based GUI	Please remove this clause	As per RFP		
138.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Enterprise Management System	The Enterprise & Network Management System should provide for end to end performance, availability, fault and event and impact management for all enterprise resources that encompasses the heterogeneous networks, systems, applications, desktops and databases present in the system. It should have the capability to consolidate all the information to one console with a support for providing a Web interface.	The Enterprise & Network Management System should provide for end to end performance, availability, fault and event and impact management for all enterprise resources that encompasses the heterogeneous networks, systems, applications and databases present in the system. It should have the capability to consolidate all the information to one console with a support for providing a Web interface.	As per RFP		

139.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Enterprise Management System	The proposed helpdesk solution must support at least 3 ITILv3 processes like request management, problem management, configuration management and change management with out-of-the-box templates for various ITIL service support processes. Bidder should provide ITIL v3 certification from OGC on at least 3 processes.	The proposed helpdesk solution must support at least 3 ITILv3 processes like request management, problem management, configuration management and change management with out-of-the-box templates for various ITIL service support processes. Bidder should provide ITIL v3 certification from OGC/Axelos Gold level on at least 3 processes.	As per RFP
140.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Enterprise Management System	Discovery solution should do a complete discovery of IT environment across distributed, virtual and heterogeneous environment and provide a clear and visual mapping of IT infrastructure to business services and should be completely agent less requiring no software to be installed on devices to be discovered.	Discovery solution should do a complete spiral discovery of IT environment across distributed, virtual and heterogeneous environment and provide a clear and visual mapping of IT infrastructure to business services and should be completely agent less requiring no software to be installed on devices to be discovered.	As per RFP
141.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Database Server Page 139	Processor: Minimum 4x octa-core processor with 2GHz or above with minimum 1066Mhz FSB / 2000 MT /s expandable to 8 physical processor with min 6 MB L3 cache per processor	Please remove expandable upto 8 processor	As per RFP

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142.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Database Server Page 139	Disk Bays: Support For min 8 small form factor hot plug SAS/SCSI hard drives in disk drive cariers	Please change this clause to "Disk Bays: Support For min 4 small form factor hot plug SAS/SCSI hard drives in disk drive carriers"	As per RFP
143.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Database Server Page 139	OS Support: Support For Microsoft Windows 2008 & Latest version of Linux/Solaris	Please change this clause to "Support For Microsoft Windows 2008/ Latest version of Linux/Solaris"	As per RFP
144.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Database Server Page 139	Management: Management feature to identify failed components even when server is switched off.	Please remove this clause	As per RFP

145.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Page 140 Other Server (Blade)	OS Environment: Support For Microsoft Windows 2008 & latest version of Linux/Solaris	Please change this clause to : "Support For Microsoft Windows 2012 & latest version of Linux/Solaris"	As per RFP
146.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Page 141 SAN	Cache: The storage array shall be configured with at least 8 GB cache scalable to min 16 GB across dual controllers by upgrading the controller pairs	The storage array shall be configured with 32 GB cache per controller.	As per RFP
147.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS Page 141 SAN	Drive Interface: 4 SAS ports per controller, 6 Gbps per link, or 4 or higher FC ports per controller – FC ports each of 4 Gbps to deliver backend bandwidth of 16Gbps or higher	Please change this to "4 SAS ports/lanes per controller, 12 Gbps per lane, or 4 or higher FC ports per controller – FC ports each of 4 Gbps to deliver backend bandwidth of 16Gbps or higher"	As per RFP
148.	VOLUME – I: FUNCTIONA L AND TECHNICAL	The storage array shall be configured with at least 8 GB cache scalable to min 16 GB across dual controllers by upgrading the controller pairs.	The storage array shall be configured with 32 GB cache per controller.	As per RFP

149.	SPECIFICATI ONS SAN Specifications	The storage system must provide upgrade path to larger or future array controller and software technology while maintaining the existing investment.	Please remove this clause	As per RFP
150.		All the necessary software to configure and manage the storage space, RAID configuration, logical drives allocation, virtualization, snapshots (including snap clones and snap mirrors) for entire capacity etc.	Please change this to "All the necessary software to configure and manage the storage space, RAID configuration, logical drives allocation, virtualization, snapshots (including snap clones and snap mirrors or equivalent technology) for entire capacity etc."	As per RFP
151.		The storage array should support Operating System Platforms & Clustering including: Windows Server 2003 (Enterprise Edition), Sun Solaris, HP-UX, IBM- AIX, Linux / Solaris for x86.	Please change this to "The storage array should support Operating System Platforms & Clustering including: Windows Server 2012, Sun Solaris, HP-UX, IBM-AIX, Linux / Solaris for x86."	As per RFP
152.		Storage subsystem shall support 300GB, 450GB and 600 10K or higher RPM Fiber channel / SAS drives & 1TB SATA or higher SATA / equivalent drives in the same device array	Please change this to "Storage subsystem shall support 300GB, 450GB or 600 10K or higher RPM Fiber channel / SAS drives & 1TB SATA or higher SATA / equivalent drives in the same device array	As per RFP

153.		Presently, the storage sub system shall be configured with 450 GB 15K or higher RPM of FC/SAS drives and 750 GB or higher on SATA / equivalent for archiving purpose.	Please change this to: "Presently, the storage sub system shall be configured with 450 GB/600 GB 15K or higher RPM of FC/SAS drives and 750 GB or higher on SATA / equivalent for archiving purpose.	As per RFP
154.		The storage array should have block level Synchronous and Asynchronous replication across homogeneous /heterogeneous storage arrays from different OEMs.	Please remove this clause or change to" The storage array should have block level Synchronous and Asynchronous replication "	As per RFP
155.		DC-DR replication should be done using FC IP router. This has not been mentioned in separate line item, however this must be included as part of SAN Storage.	Please change this to "DC-DR replication should be done using FC IP router or Storage Should have 1 replication port within controller to perform replication.  This has not been mentioned in separate line item, however this must be included as part of SAN Storage."	As per RFP
156.	VOLUME – I: FUNCTIONA L AND TECHNICAL SPECIFICATI ONS SAN	The storage should be configured with a feature which helps in removing the redundant blocks /files at the disk level to provide reclamation of the capacity. This feature should be block/file based and should be scheduled so that it can be used during the low peak hours	Please remove this clause.	As per RFP
157.	Page 142	NIL	Storage capacity requirement is not mentioned.	As per RFP

158.	VOLUME – I: FUNCTIONA L AND	Tape drives: Minimum 2 latest generation LTO 4 or higher tape drives	Please change this to" Tape drives: Minimum 2 latest generation LTO 6 or higher tape drives"	As per RFP
159.	TECHNICAL SPECIFICATI ONS Tape Library Page 143	Should be able to back-up 50% of the entire production landscape in 8 hours window	Please suggest how much data we have to backup	As per RFP