

Response to the Pre-Bid Queries - "Anywhere Registration" Project, Ajmer

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
1	CMC	6	2.2	289 Part Time/Ex. Officio SRO's	"Part Time/Ex. Officio SRO" means the sub Registrar officer who does the Registration work also along with other admin work related to revenue department. Clarify the daily working hour of Part Time SRO? Do CMC Operator need to be involved in admin work related activities alongwith registration? If Yes then he is over utilised otherwise under utilized. IGRS needs to take a firm stand on this issue.	Daily Working Hours - Normal working hours as defined for Full/Part time SR offices.
2	CMC	9	3.2	Eligibility Criteria	Suggests that consortium of 4 companies should be allowed as one of the companies need to be an ISP while the other will be the lead partner.	No change. As per RFP
3	ILFS	9	3.2	A bidding firm should be a corporation/ company or consortium of companies/ corporations. In case of a consortium the same shall not consists of more than three companies/ corporations and shall be formed under a duly stamped consortium agreement. (Attach Proof). In the event of a consortium, one of the partners shall be designated as a "Lead Partner". The bidder or Lead partner of the consortium shall be an Information Technology and/or Communication Company/ Corporation. :	Pls change to : The Bidder or Consortium Partner shall be an Information and or Communication Company. Pls clarify, whether the lead consortium partner shud be only an IT/ company? As IL&FS is a financial company with IT activities as a subsidiary.	As per RFP
4	DATA INFOSYS LTD.	9	3.3	In Consortium all the members shall be equally responsible to complete the project; however LEAD PARTNER shall give an undertaking for successful completion of the project. In case of any issues, Lead partner is the responsible person for all the penalties. The agreement between the Lead partner and each consortium partner should be for the entire period of the Project and submitted along with the Technical Bid. The same should be on appropriate stamp paper. No new consortium agreement shall be allowed during the project period	Why only lead partner liable for penalties, why the concept of Lead partner	As per RFP
5	TRIMAX	9	3.5	In case of Consortium, the financial criteria shall have to be fulfilled by the lead partner and the technical criteria can be fulfilled by other members of the consortium.	Financial Criteria should have to be fulfilled by all the members (in case Consortium) Justification - As per Chapter 3 – Clause No. 3.3 – In Consortium all the member shall be equally (Technically, Financially & all other terms) responsible to complete the project Then why only the financial criteria shall have to be fulfilled by the Lead Partner not the other Consortium Member	As per RFP

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6	DATA INFOSYS LTD.	9	3.5	In case of Consortium, the financial criteria shall have to be fulfilled by the lead partner and the technical criteria can be fulfilled by other members of the consortium.	Financial criteria meeting can be a joint responsibility of consortium partners	As per RFP
7	TULIP	9	3.6	A Bidding Company/ corporation cannot be a part of more than one consortium except the ISP. In such a case, both the consortium bid would be disqualified.	An ISP Should not be the part of a Consortium	As per RFP
8	ILFS	10	3.10	The bidder/ consortium must be possessing ISO 9001:2000 certification and SEI-CMM Level-3 Certification, at least one year prior to the date of publication of this tender. The copy of the same should be submitted along with the Technical bid. :	Pls clarify why 1 year prior?	Please refer to the modified clause
9	E-CONNECT	10	3.10	The bidder/ consortium must be possessing ISO 9001:2000 certification and CMM Level-3 certification	We want to envisaged the fact that CMM level-3 certification comes as optional with ISO certification as generally seen in big e-gov projects in other states. So it should be CMM Level 3/ISO . Moreover the project success does not depend on certifications. Instead it can be done effectively & successfully by those IT companies who can understand the local market well, have worked in niche market & above all near to you !	As per RFP, also refer to the modified clause
10	HCL	10	3.10	The bidder/ consortium must be possessing ISO 9001:2000 certification and SEI-CMM Level-3 Certification,	Request the change to The bidder/ consortium must be possessing ISO 9001:2000 certification and or SEI-CMM Level-3 Certification. Since both serve the purpose of quality equally and It's project of systems integration where ISO for SI is more relevant.	As per RFP, also refer to the modified clause
11	DATA INFOSYS LTD.	10	3.10	The bidder/ consortium must be possessing ISO 9001:2000 certification and SEI-CMM Level-3 Certification, at least one year prior to the date of publication of this tender	ISO 9001:2000 certification OR SEI-CMM Level-3 Certification should be mentioned.	As per RFP, also refer to the modified clause
12	Calance Software Pvt. Ltd.	10	3.10	The bidder/ consortium must be possessing ISO 9001:2000 certification and SEI-CMM Level-3 Certification, at least one year prior to the date of publication of this tender. The copy of the same should be submitted along with the Technical bid.	ISO or CMM-3 or both?	As per RFP, also refer to the modified clause
13	SPANCO	10	3.10	The bidder/ consortium must be possessing ISO 9001:2000 certification and SEI-CMM Level-3 Certification, at least one year prior to the date of publication of this tender. The copy of the same should be submitted along with the Technical bid.	We request the removal of one year old certification requirement.	Please refer to the modified clause
14	TULIP	10	3.10	The bidder/ consortium must be possessing ISO 9001:2000 certification and SEI-CMM Level-3 Certification, at least one year prior to the date of publication of this tender. The copy of the same should be submitted along with the Technical bid.	Core Focus of the Project is on Infrastructure Deployment, hence the criteria should be changed to "The bidder/ consortium must be possessing ISO 9001:2000 certification / OR SEI-CMM Level-3 Certification"	As per RFP, also refer to the modified clause

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15	RAILTEL CORPORATION OF INDIA LIMITED	10	3.10	The bidder/consortium must be possessing ISO 9001:2000 certification and CEI- CMM Level -3 certification at least one year prior to the date of publication of this tender	Mostly companies takes either ISO certificate or CEI- CMM Level -3 certificates so instead of both conditions one condition should be applicable i.e. company should have either ISO certified or CEI-CMM Level-3 certified. Government company like Railtel should exempt from above conditions of two certifications.	As per RFP
16	DATA INFOSYS LTD.	10	3.12	The bidder/ lead partner must have annual turnover from IT related services averaged over the last three financial years , more than Indian Rs. 100 Crores (Rupees One Hundred Crores) with an average annual turnover from software development, FMS & WAN services alone of Rs. 50 Crores (Rupees Fifty Crores) over the past three years.	Average of all the activities carried out by the partners OR a joint turnover of all the partners should be considered	As per RFP
17	SPANCO	10	3.12	The bidder/ lead partner must have annual turnover from IT related services averaged over the last three financial years, more than Indian Rs. 100 Crores (Rupees One Hundred Crores) with an average annual turnover from software development, FMS & WAN services alone of Rs. 50 Crores (Rupees Fifty Crores) over the past three years. Copies of balance sheets/profit & Loss Accounts/ Annual Reports of last three financial years (up to 31-Mar-2008) should be enclosed.	We request revenue from network and system Integration services to be included in the average 50 crore turnover from last three years	As per RFP
18	WIPRO	10	3.12	The bidder/ lead partner must have annual turnover from IT related services averaged over the last three financial years, more than Indian Rs. 100 Crores (Rupees One Hundred Crores) with an average annual turnover from software development, FMS & WAN services alone of Rs. 50 Crores (Rupees Fifty Crores) over the past three years. Copies of balance sheets/profit & Loss Accounts/ Annual Reports of last three financial years (up to 31-Mar-2008) should be enclosed.	Suggestion to change the criterion from "bidder/lead partner" to "bidder/consortium partner" as it is the case in the other clauses	As per RFP
19	ILFS	10	3.12	The bidder/ lead partner must have annual turnover from IT related services averaged over the last three financial years, more than Indian Rs. 100 Crores (Rupees One Hundred Crores) with an average annual turnover from software development, FMS & WAN services alone of Rs. 50 Crores (Rupees Fifty Crores) over the past three years. Copies of balance sheets/profit & Loss Accounts/ Annual Reports of last three financial years (up to 31-Mar-2008) should be enclosed.	Pls Change to : The Bidder/ Consortium Partner, As the consortia will have all or different kinds of domain expertise.	As per RFP

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20	E-CONNECT	10	3.12	The bidder/ lead partner must have annual turnover from IT related services averaged over the last three financial years, more than Indian Rs 100 Crores (rupees one hundred crores) with an average annual turnover from software development ,FMS & WAN services alone of RS 50 Crores over the past 3 years. Copies of balance sheet enclosed	The anywhere registry & stamps project does not involve rocket science technology . Instead it involves simple approach of providing the registration of the documents to citizens in least amount of time. We suggest that the turn over of 100 crores does not guarantee 100 % success rate of the project as we have seen in many big e-gov projects. Therefore the turnover should be relaxed to 10 crore with average 2-3 crore turnover on software development ,FMS & WAN services as successfully done by medium size IT Industries.(as in our case we are managing 4000 crores worth of revenue of state excise department). So we again want to highlight that company with turnover of 10 crore could excel the desired level of your expectation/services	As per RFP
21	TRIMAX	10	3.12	The bidder/ lead partner must have annual turnover from IT related services averaged over the last three financial years, more than Indian Rs. 100 Crores (Rupees One Hundred Crores) with an average annual turnover from software development, FMS & WAN services alone of Rs. 50 Crores (Rupees Fifty Crores) over the past three years. Copies of balance sheets/profit & Loss Accounts/ Annual Reports of last three financial years (up to 31-Mar-2008) should be enclosed.	The turnover should be Rs. 100 Crore in any of the last three financial years and with an average annual turnover of Rs. 50 Crore from IT services leads to invite big and fair competition Justification - As per turnover criteria by the lead member with an average annual turnover of Rs. 50 Cr. From Software Development, FMS & WAN, there is only few Companies who involved in these three activity. This will limit the competition by inviting few companies, then there is no need to invite open competition and consortium of companies.	As per RFP
22	SATYAM COMPUTERS	10	3.13	The Bidder/ Consortium partner must have good understanding of Government Domain. The bidder/ Consortium partner must have successfully completed at least two assignments of providing similar services to Government organization/ PSU's. The value of each of the assignment on turn-key basis should be at least Rs. 5 Crores (Rupees Five Crores). Copy of work order with C. A. audited certificate must be submitted in support. Bidder/Consortium partner should have successfully completed such said services to any Government organization/ public sector companies at 50 or more locations. The bidder should attach copies of the customer purchase orders / contracts which should indicate the deliverables, completion certificates and the scope of relevant assignments.	Please Changed to The Bidder/ Consortium partner must have good understanding of Government Domain. The bidder/ Consortium partner must have undertaken at least two assignments of providing services to Government organization/ PSU's. The value of each of the assignment on turn-key basis should be at least Rs. 5 Crores (Rupees Five Crores). Copy of work order with C. A. audited certificate must be submitted in support. The bidder should attach copies of the customer purchase orders / contracts which should indicate the deliverables, completion certificates and the scope of relevant assignments.	As per RFP

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23	CMC	10	3.13	The Bidder/ Consortium partner must have good understanding of Government Domain. The bidder/ Consortium partner must have Successfully completed at least two assignments of providing similar services to Government organization/ PSU's.	The value of each of the assignment on turn-key basis should be at least Rs. 5 Crores (Rupees Five Crores). Copy of work order with C. A. audited certificate must be submitted in support. Bidder /Consortium partner should have successfully completed such said services to any Government organization / public sector Companies at 50 or more locations. The bidder should attach copies of the customer purchase orders / contracts which should indicate the Deliverables, completion certificates and the scope of relevant assignments.	As per RFP
24	E-CONNECT	10	3.13	The Bidder/ Consortium partner must have good understanding of govt. domain. The bidder/consortium partner must have successfully completed at least 2 assignments of providing similar services to govt. organization/PSU.The value of each of the assignments on turnkey basis should be at least Rs 5 Crores.Bidder /consortium partner should have successfully.completed such said services to any govt. organization/public sector companies	What is meant by" similar services" Does it mean execution of any 2 govt projects ?Again we want to request you to relax the order value with 1-2 crore as the project implemented 5 yrs ago costs now 5-7 crores as in our case. We have already sucessfully implemented the govt. projects in state excise,RSBCL & RSGSM at more than 50 locations in each of the said projects.	Similar services means project under which citizen services are provided.
25	TRIMAX	10	3.13	The Bidder/Consortium must have successfully completed two assignment of similar nature of 5 Crore each...	Kindly amend that Bidder/Consortium partner must have successfully completed / implemented at least two assignments of providing similar services to Government/PSU's. The value of each of assignments on turnkey basis should be at least Rs. 5.00 Crore Justification - The Company who are executing similar nature of project on BOOT basis, the terminology "completed" does not seems to take place, the word "implemented" act as a synonymous of "completed" because the BOOT model project are long term prospect.	As per RFP
26	TCS	10	3.7	Income tax return with audit report from CA.	Can copy of financial statements for relevant financial year suffice the requirements for Audit report from CA?	As per RFP
27	TCS	11	3.13	Copy of work order with C.A. audited certificate must be supported.	Can work order which explicitly, clearly mentions the value of project suffice requirements of CA audited certificate?	As per RFP

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28	SPANCO	11	3.14	The Bidder (In case of Consortium, any one of the member of the Consortium) should be established, reputed and reliable Organization in the field of setting up of Enterprise Wide Area Networks on MPLS VPN backbone with a minimum of 100 PoPs supporting data and voice and should have implemented minimum two similar Networks in India in last Five financial years where the cost of each project is minimum of Rs. 5 Crores (Rupees Five Crores).	The requirement of 100 POP network on MPLS VPN is very specific. The BOOT service provider shall be using the MPLS VPN network of a Telecom service provider/ISP and hence we request exclusion of MPLS VPN and acceptance of a WAN/Transmission network with 100 POPS as eligibility criteria; Also we can request to allow 1 network of 200 nodes or two network of 100 nodes of 4 network of 50 nodes	As per RFP
29	RAITEL CORPORATION OF INDIA LIMITED	11	3.15	The bidder/consortium must have his own support infrastructure facilities in india, so as to serve all over Rajasthan particularly in the places as listed in the bid document.	Clarify for WAN connectivity for "Anywhere Registration " Project Bidder/ Consortium partner have own network infrastructure because a single company except BSNL does not cover all location on his own network . The clause may be modified for competitive bidding	As per RFP
30	WIPRO	11	3.16	The Bidder/ Lead partner should have a local support office at Jaipur and provide the supporting documents in technical bid	Suggestion to change the criterion from "bidder/lead partner" to "bidder/consortium partner" as it is the case in the other clauses	Please refer modified clause
31	BEL	11	3.16	The Bidder/ Lead partner should have a local support office at Jaipur.	Local support office at Jaipur will be set-up at the time of award of Contract. BEL is presently having permanent offices at Delhi and this may be considered for tender purpose.	As per RFP, also refer modified clause.
32	SATYAM COMPUTERS	11	3.16	The Bidder/ Lead partner should have a local support office at Jaipur and provide the supporting documents in technical bid.	Lead Partner should be changed to consortium partner	Please refer modified clause.
33	SPANCO	13	4.1	Anywhere Registration - Pilot Project	Is there data which needs to be Converted and brought over to the proposed "Anywhere Registration" application from the currently running pilot project.	Please refer RFP Clause No. 5.1.12 and Phase-3 in Time schedule chapter.
34	SPANCO	13	4.1	Anywhere Registration - Pilot Project	Is there any data migration/conversion work to be performed.	Please refer RFP Clause No. 5.1.12 and Phase-3 in Time schedule chapter.
35	HCL	13	4.1.1	The pilot of "Anywhere Registration" project included only 11 Full-Time Sub- Registrar Offices (SRO) and the ADM/ DIG offices at Jaipur.	What is the platform in which this application is running ? Is it the same as the platform for the standalone system given in 4.1.4 for the rest of the full time SRO's.	As per RFP (Please refer RFP Clause No.4.1.2 to 4.1.4).
36	REDHAT	13	4.1.2	The hardware (District database server, Application server), software (Red Hat Linux v4.0 ES/AS, Oracle 10g Standard), Networking equipments (Switches, I/O, Cat5 cables etc), WAN Connectivity (64 Kbps Leases Line with equipments taken from BSNL) are in place at pilot site - Jaipur.	We suggest that Department may consider to continue with the same technology which is used in Pilot project. Pilot project is running successfully from last 2 years. More over pilot project of the department has received very prestigious award this year i.e. World is Open award.	As per RFP
37	REDHAT	13	4.1.3	The Application Software was developed in Open source J2EE Framework with Oracle 10g as backend and was based up on Client/ Server architecture.	Request you to share source code of existing J2EE application to reduce TCO and time in development circle of a fresh application.	Accepted

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38	TULIP	13	4.1.3	The Application Software was developed in Open source J2EE Framework with Oracle 10g as backend and was based up on Client/ Server architecture.	Requesting you to share source code of existing J2EE application to reduce TCO and time in development circle of a fresh application.	Accepted
39	SPANCO	13	4.1.3 & 4.1.4	* The Application Software was developed in Open source J2EE Framework with Oracle 10g as backend and was based up on Client/ Server architecture. * Presently, the application running at all the Full-Time SROs (except 11 Full-Time SROs in Jaipur City), had been developed in MS-Visual Basic and with MS-Access as database back-end working in a standalone mode	Are there TWO applications one developed in J2EE platform and one in Visual Basic or this is referring to ONE application only.	As per RFP (Please refer RFP Clause No.4.1.2 to 4.1.4).
40	IBILT TECHNOLOGIES LTD.	13	4.2.1	Based on the successful implementation and execution of "Anywhere Registration" at 11 Full-Time SROs during the Pilot project at Jaipur, the Department of Registration & Stamps is keen to replicate the "Anywhere Registration" concept across the state including all the 13 DIG/ADM Circles, Full-Time (67 Nos.) and Part Time/Ex. Officio SROs (289 Nos.) headquartered at IGRS, Ajmer	The scope of the project requires replacing the existing pilot application completely with the new system. Please confirm that this understanding is correct.	Yes.
41	TULIP	13	4.2.1	Based on the successful implementation and execution of "Anywhere Registration" at 11 Full-Time SROs during the Pilot project at Jaipur, the Department of Registration & Stamps is keen to replicate the "Anywhere Registration" concept across the state including all the 13 DIG/ADM Circles, Full-Time (67 Nos.) and Part Time/Ex. Officio SROs (289 Nos.) headquartered at IGRS, Ajmer	The scope of the project requires replacing the existing pilot application completely with the new system. Please confirm that this understanding is correct.	Yes.
42	BEL	13	4.2.2	The connectivity at all the project locations would be MPLS-VPN based technology from a Class-'A' and NLD License holder ISP.	whether MPLS-VPN connectivity will be available at all locations (ASRO and SRO). If not, any other alternate connectivity like Leased line / V-SAT is permitted	Connectivity is available through all the major BSP in Rajasthan. Also, please refer to the RFP Clause No. 5.1.2
43	HCL	13	4.2.3	The department will make payments to the BOOT Operator on a per document basis (as quoted by him in the financial bid in the respective category and as applicable).	What is constituted as a document ? Can we assume that the BOOT operator can charge for all the document type listed in Annexure 6 ? If so then please let us know whether the figure given in annexure 4 includes all the documents listed in Annexure 6.	One rate for all documents is to be quoted by the bidder.
44	HCL	14	4.3.8	Document/ deed is scanned and archived by the computer operator	Which are the document out of those listed in Annexure 6 which shall be scanned and archived? Please provide an indication of number of pages for each type of document.	Scanning and archiving would be required for all kind of documents which would be issued through this System.

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45	IBM	16		Process Flow Diagram	The process defines the steps of the workflow which is primarily manual oriented. What are integration and automated touchpoints are part of the end-to-end process?	The workflow would be finalized under SRS phase.
46	SATYAM COMPUTERS	17	4.4	About Application Software for Anywhere Registration (Running at pilot location)	For the pilot project (anywhere registration) created & implemented in Jaipur.	The details pertain to existing pilot application running in Jaipur District.
47	SATYAM COMPUTERS	17	4.4	About Application Software for Anywhere Registration (Running at pilot location)	a) Could you please confirm if all the modules have been developed using J2EE, Oracle 10g on Linux platform? For e.g. Master Module, Enquiry Module etc.	As detailed in RFP chapter 4.
48	SATYAM COMPUTERS	17	4.4	About Application Software for Anywhere Registration (Running at pilot location)	b) Is this pilot project a web-based application? If not, does it also need to be taken to scope of development?	Existing application is not Web Based Application. The details are available in Chapter 4. The Bidder is required to write a new web based application software.
49	SATYAM COMPUTERS	17	4.4	About Application Software for Anywhere Registration (Running at pilot location)	c) How many of these business modules are content driven?	This is to be worked out during SRS phase
50	SATYAM COMPUTERS	17	4.4	About Application Software for Anywhere Registration (Running at pilot location)	a) The Pilot Project : Anywhere Registration, is a stand alone application running in 11 SROs, is it true?	The details of existing application is available in Chapter 4.
51	SATYAM COMPUTERS	17	4.4	About Application Software for Anywhere Registration (Running at pilot location)	b) If true, are we required to port this application onto the web?	The Bidder is required to write a new web based application software.
52	SATYAM COMPUTERS	17	4.4	About Application Software for Anywhere Registration (Running at pilot location)	a) Is the architecture for the Pilot Application a Three tier based one?	The details of existing application is available in Chapter 4.
53	SATYAM COMPUTERS	17	4.4	About Application Software for Anywhere Registration (Running at pilot location)	b) Where is the Business logic of the application deployed, in the middle tier or the client tier? If middle tier, please name the application server used?	The details of existing application is available in Chapter 4.
54	REDHAT	17	4.4	The Application Software for Anywhere Registration which has been implemented in Jaipur on Pilot basis is developed in J2EE Framework and Oracle 10g as RDBMS on Red Hat Linux AS v4.0 platform.	Suggest you to continue with same technologies keeping in view the stable & secured performance of the pilot project. Many of Data Centre & MM applications are implemented on Open Source Technology. As far as TCO is concerned with Open Source technology department will save cost on CAL's, Anti Virus and license fee etc.	As per RFP
55	BEL	17	4.4		Whether O.S. platform should be Linux or could be it Windows based ?	As per RFP (Please refer RFP Clause No. 5.1.4) and Chapter 16-Bill of Material
56	BEL	17	4.4		What will be distance between the ASRO / SRO locations to the nearby RajSWAN Network location.	The actual distance would be intimated by Service Provider.
57	DATA INFOSYS LTD.	18	4.4	Inbox / Outbox – The module facilitates identification of documents received from other SROs or marked for sending it to concerned SRO.	Scope of E-mail server (also, refer Pg 52 under Ch-6 Deliverables)	No Email Server mentioned in RFP, Inbox/Outbox is only an Application Module (Refer Clause 4.4)
58	CMC	21	4.4	The BOOT Operator shall be responsible for proper handling of record room and book keeping of records in binding form as per the requirement of department.	Kindly clarify : 1. whether records are maintained at separate centralized location or respective SRO. 2. How does SRO process the request of "retrieval of physical book records" & in what time frame?	The physical documents are being maintained by Department and the bidder would be required to maintain the Electronic records.

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59	HCL	21	4.4	The BOOT Operator shall be responsible for proper handling of record room and book keeping of records in binding form as per the requirement of department.	We are assuming that IGRS shall provide the space for record room and shall be its custodian. Please validate.	The physical documents are being maintained by Department and the bidder would be required to maintain the Electronic records.
60	CMC	21	4.4		As per CMC's understanding Handling Of Record Rooms & Book Keeping of records in Binding forms is typical SRO activity & mandates some security measures. CMC proposes IGRS to differentiate this particular activity from Current Scope of Work.	The physical documents are being maintained by Department and the bidder would be required to maintain the Electronic records.
61	SATYAM COMPUTERS	21	4.4	Current Books and Registers maintained at the SRO	With regards to the current books and registers maintained at SRO – a) How records are currently managed – in what format are the records available? E.g. print or online. b) If available in print, do they also need to digitized?	The physical documents are being maintained by Department and the bidder would be required to maintain the Electronic records.
62	TCS	22	5.1.1	Point no 5	Are the 11 Offices that were part of the Pilot project and connected through 64 Kbps links also part of the current project? In case of shifting of the offices from the current location would the downtime of the same be part of the calculation of the overall system uptime. As the time period for shifting from MPLS setup to the Raj SWAN setup is not mentioned or any time frame being mentioned can the bidder give multiple pricing for system running on Raj SWAN for time periods in multiples of 6 months?.	Yes, Shifting of SR Offices is very rare and can't be predicted in advance. During Shifting phase, the down time shall not be counted. As per RFP(Refer RFP Clause No. 5.1.1.10,12,13 and Terms of Payment)
63	CMS	22	5.1.1	Ensure Adequate power points with proper electric-earthing at all locations at no extra cost.	No clarity on electrical usage charges? Who has to pay the bill?	Electric charges will be born by the Department
64	TCS	22	5.1.1	Site Preparation:	Who will liaison with concerned DISCOM/Authority to obtain electrical connection/ sub-meter at all locations	Electricity Connection is not under the scope of Vendor,Electric charges will be born by the Department
65	TCS	22	5.1.1	Site Preparation: Point no. 6	Will The BOOT operator provide the water arrangement for all 356 offices or only at full time sub registrar offices only.	As per RFP at all the locations.Refer RFP Clause no 5.1.1.6
66	CMC	22	5.1.1.1-3 5.1.1.6-7	Role & responsibility of BOOT Operator	As clarified during Pre Bid BOOT Operator has to provide IT & IT related infrastructure only, pl. confirm.	As per RFP
67	TCS	22	5.1.1.3	Supply and fixing of furniture like computer tables, chairs and other item at no extra cost.	Please specify clearly what other items you need from BOOT Operator	As per RFP
68	CMC	22	5.1.1.4 5.1.1.5	Role & responsibility of BOOT Operator	The Sub Registrar offices/ DIG offices shifting to other locations & to add counter windows and front desk operators should be limited to 1 or 2 only. While more than 2 offices shifting to other locations & addition of more than 2 counter windows and front desk operators should be Additional Cost.	As per RFP
69	HCL	22	5.1.1.6	Proper arrangement of drinking water with water cooler at no extra cost.	Can we assume that the premises have supply of normal drinking water ? Please validate	Yes water supply is available

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70	CMS	22	5.1.4	IGRS reserves the right to ask BOOT Operator to add counter windows and front desk operators in those Sub-Registrar Offices that show high rise in volume of business. The requirement for additional counter windows and resources will solely be assessed by department/ IGRS and no additional payments will be made in this regard i.e. for additional counter windows and resources.	We request to change this clause to "Department will be pay cost for any additional resources as required by department with a pre defined price ".	As per RFP.
71	DATA INFOSYS LTD.	22	5.1.4	IGRS reserves the right to ask BOOT Operator to add counter windows and front desk operators in those Sub-Registrar Offices that show high rise in volume of business. The requirement for additional counter	The maximum % variation from the original no. specified for manpower deployment should be mentioned.	As per RFP.
72	CMS	22	5.1.5	Printing of MIS Reports	Can we print the reports in DMP as Laser print report will be expensive.	MIS Reports should be printed on the Printers supplied/ installed under the Project.(refer Chapter 16- BOM)
73	CMS	22	5.1.5	SR offices shifted to other locations in future and the BOOT operator will be responsible for the entire shifting arrangement without any additional cost to the dept.	As it is difficult to judge how much office will get shifted over a period of 5 years. We request you to clarify us how many offices will be shifted. Otherwise we would suggest that department can bear the cost.	Shifting of SR Offices is very rare and can't be predicted in advance.
74	CMS	22	5.1.5	The Sub Registrar offices/ DIG offices may be shifted to other locations in future, and the BOOT Operator will be responsible for the entire shifting arrangements without any additional cost to the department. It will include transportation expense, establishment and Installation expenses of IT infrastructure and other relevant expenses.	Please provide how many/total no of locations & there respective no of documents which are going to be shifted during the project so we can judge the transactions & additional infrastructure cost.	Shifting of SR Offices is very rare and can't be predicted in advance.
75	BEL	22	5.1.5	The Sub Registrar offices / DIG offices may be shifted to other locations in future, and the BOOT Operator will be responsible for the entire shifting arrangements without any additional cost to the department. It will include transportation expense, establishment and Installation expenses of IT infrastructure and other relevant expenses.	Please clarify how many offices are likely to be shifted. Whether the shifting is one time job or will it be periodical. So that these will be taken into our costing	Shifting of SR Offices is very rare and can't be predicted in advance.
76	CMS	22	5.1.5	The Sub Registrar offices / DIG offices may be shifted to other locations in future, and the BOOT Operator will be responsible for the entire shifting arrangements without any additional cost to the department. It will include transportation expense, establishment and Installation expenses of IT infrastructure and other relevant expenses.	Incase if the no of documents increase then it calls for additional infrastructure, it is mentioned in the RFP that vendor has to bear the cost. 1. This is too difficult as we may not be able to judge the transactions right now. We can't predict what will be the workload for a particular day in a particular office. Hence we request to fix the total number of transactions which can be performed at SRO per day and accordingly change the required BOM.	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
77	CMS	22	5.1.5	The Sub Registrar offices / DIG offices may be shifted to other locations in future, and the BOOT Operator will be responsible for the entire shifting arrangements without any additional cost to the department. It will include transportation expense, establishment and Installation expenses of IT infrastructure and other relevant expenses.	What is the mechanism of handling the crowd if too many transactions come all of a sudden to one single office as it is anywhere registration 2. Also can we restrict in the application software for registration only between 9.30AM to 5.30PM.	No comments
78	TCS	23	5.1.2	Point 8 & Point 9	Is it mandatory to provide complete backup of bandwidth or a partial for e.g. 128 kbps backup for 256 kbps bandwidth will be sufficient?	Please refer to the modified clause
79	TULIP	23	5.1.2	BOOT Operator shall be responsible for integration with RajSWAN network and all the cost on this account will be born by the BOOT Operator. The BOOT Operator may consult the RajSWAN RFP for above mentioned purpose. The BOOT Operator shall have to liaison with the RajSWAN Operator towards smooth integration with RajSWAN and IGRS infrastructure at all the levels including State Data Center. The BOOT Operator shall have to provide an undertaking for this purpose	As per RajSWAN RFP 3381 Locations are to be connected and it is presumed that all IGRS offices will fall under this, Responsibility of the BOOT Operator shall only be limited to local integration of links that will be provided by RajSWAN Operator (Already Mentioned in the RajSWAN RFP). This is Highly Critical point as it has a major impact on the Project Financial.	After RajSWAN, the bidders responsibility would be limited to maintain network between SR Office and RajSWAN POP.
80	CISCO	23	5.1.2 WAN Connectivity	BOOT Operator will provide minimum 1Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the Full-Time SROs/DIG/IG offices	Optical Fiber might not be available at all locations, hence we suggest to make it "Optical Fiber/Copper"	Please refer to the modified clause
81	HCL	23	5.1.2 WAN Connectivity	BOOT Operator will provide minimum 1Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the Full-Time SROs/DIG/IG offices	Optical Fiber might not be available at all locations, hence we suggest to make it "Optical Fiber/Copper"	Please refer to the modified clause
82	WIPRO	23	5.1.2 WAN Connectivity	A WAN Network needs to be created with high security measures that will subsequently support Layer 3 tunneling methods such as IPsec and MPLS for creation of VPNs	MPLS itself does not provide encryption, integrity, or authentication services. MPLS and IPsec together provide a very high level of security for VPNs. Are you looking for a router at remote location that support IPSEC.Suggested Specs for Router	Please Refer the Technical Specifications for the Access Router in Chapter-17 (Item No. 31)
83	SPANCO	23	5.1.2 WAN Connectivity	A WAN Network needs to be created with high security measures that will subsequently support Layer 3 tunneling methods such as IPsec and MPLS for creation of VPNs	Specification for the Edge Router is missing from the tender. We suggest the below mention specs for the same. We suggested the specs for the router supporting serial interface (64K to 2Mbps) as main connectivity we suggested the router at remote location that support IPSEC	Please Refer the Technical Specifications for the Access Router in Chapter-17 (Item No. 31)
84	CISCO	23	5.1.2 WAN Connectivity	A WAN Network needs to be created with high security measures that will subsequently support Layer 3 tunneling methods such as IPsec and MPLS for creation of VPNs	Specification for the Edge Router is missing from the tender. We suggested the specs for the router supporting serial interface (64K to 2Mbps) as main connectivity we suggested the router at remote location that support IPSEC	Please Refer the Technical Specifications for the Access Router in Chapter-17 (Item No. 31)

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
85	SPANCO	23	5.1.2 WAN Connectivity	A WAN Network needs to be created with high security measures that will subsequently support Layer 3 tunneling methods such as IPsec and MPLS for creation of VPNs	MPLS itself does not provide encryption, integrity, or authentication services. MPLS and IPsec together provide a very high level of security for VPNs. Are you looking for a router at remote location that support IPSEC. Remote Router Specs missing	Please Refer the Technical Specifications for the Access Router in Chapter-17 (Item No. 31)
86	WIPRO	23	5.1.2 WAN Connectivity	Initially, the BOOT Operator is required to provide the WAN connectivity at all the designated locations on MPLS Technology. But, Looking to the upcoming RajSWAN in the state, GoR may provide the horizontal connectivity at all the offices through RajSWAN and then the BOOT Operator is required to switch the existing MPLS network connectivity in to RajSWAN.	When switched over to RSWAN, at what bandwidth you intend to connect these location. We suggested the specs for the router supporting serial interface (64K to 2Mbps) as main connectivity	Please Refer the Technical Specifications for the Access Router in Chapter-17 (Item No. 31)
87	SPANCO	23	5.1.2 WAN Connectivity	Initially, the BOOT Operator is required to provide the WAN connectivity at all the designated locations on MPLS Technology. But, Looking to the upcoming RajSWAN in the state, GoR may provide the horizontal connectivity at all the offices through RajSWAN and then the BOOT Operator is required to switch the existing MPLS network connectivity in to RajSWAN.	When switched over to RSWAN, at what bandwidth you intend to connect these location. We suggested the specs for the router supporting serial interface (64K to 2Mbps) as main connectivity	Please Refer the Technical Specifications for the Access Router in Chapter-17 (Item No. 31)
88	CISCO	23	5.1.2 WAN Connectivity	The BOOT Operator shall provide the network connectivity at all the project locations by using the MPLS-VPN technology from a Class-'A' and NLD License holder ISP. The traffic from all the locations should arrive at the central site i.e. SDC, Jaipur.	Specification for the Core Router is missing from the tender.	Please Refer the Technical Specifications for the Core Router in Chapter-17 (Item No. 29)
89	HCL	23	5.1.2 WAN Connectivity	The BOOT Operator shall provide the network connectivity at all the project locations by using the MPLS-VPN technology from a Class-'A' and NLD License holder ISP. The traffic from all the locations should arrive at the central site i.e. SDC, Jaipur.	Specification for the Core Router is missing from the tender.We suggest the specs.	Please Refer the Technical Specifications for the Core Router in Chapter-17 (Item No. 29)
90	WIPRO	23	5.1.2 WAN Connectivity	The BOOT Operator shall provide the network connectivity at all the project locations by using the MPLS-VPN technology from a Class-'A' and NLD License holder ISP. The traffic from all the locations should arrive at the central site i.e. SDC, Jaipur.	Specification for the Core Specs are missing from the tender.Suggested specs for same	Please Refer the Technical Specifications for the Core Router in Chapter-17 (Item No. 29)
91	SPANCO	23	5.1.2 WAN Connectivity	The BOOT Operator shall provide the network connectivity at all the project locations by using the MPLS-VPN technology from a Class-'A' and NLD License holder ISP. The traffic from all the locations should arrive at the central site i.e. SDC, Jaipur.	Specification for the Core Specs are missing from the tender. Pls find in a attached worksheet	Please Refer the Technical Specifications for the Core Router in Chapter-17 (Item No. 29)

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
92	WIPRO	23	5.1.2 WAN Connectivity	The BOOT Operator will provide minimum 1Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the Full-Time SROs/DIG/IG offices.	We suggest to change the wired (Optical Fiber) to (Copper/Optical Fiber)	Please refer to the modified clause
93	SPANCO	23	5.1.2 WAN Connectivity	The BOOT Operator will provide minimum 1Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the Full-Time SROs/DIG/IG offices.	We suggest to change the wired (Optical Fiber) to (Copper/Optical Fiber)	Please refer to the modified clause
94	SPANCO	23	5.1.2 WAN Connectivity	The BOOT Operator will provide minimum 256Kbps wired/ wireless/ VSAT (preferably wired) WAN (MPLS) connectivity with backup at all the Part-Time SROs.	Are you looking for ISDN as a backup mechanism for the Full Time/Part-Time locations. We suggested the specs for the router supporting ISDN as backup	Please refer to the modified clause
95	WIPRO	23	5.1.2 WAN Connectivity	The BOOT Operator will provide minimum 256Kbps wired/ wireless/ VSAT (preferably wired) WAN (MPLS) connectivity with backup at all the Part-Time SROs.	Are you looking for ISDN as a backup mechanism for the Full Time/Part-Time locations. We suggested the specs for the router supporting ISDN as backup	Please refer to the modified clause
96	CMS	23	5.1.2 WAN Connectivity	The BOOT Operator will provide minimum 1Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the Full-Time SROs/DIG/IG offices.	We suggest to change the wired (Optical Fiber) to (Copper/Optical Fiber)	Please refer to the modified clause
97	CMS	23	5.1.2 WAN Connectivity	The BOOT Operator will provide minimum 256Kbps wired/ wireless/ VSAT (preferably wired) WAN (MPLS) connectivity with backup at all the Part-Time SROs.	Are you looking for ISDN as a backup mechanism for the Full Time/Part-Time locations. We suggested the specs for the router supporting ISDN as backup	Please refer to the modified clause
98	CMS	23	5.1.2 WAN Connectivity	Initially, the BOOT Operator is required to provide the WAN connectivity at all the designated locations on MPLS Technology. But, Looking to the upcoming RajSWAN in the state, GoR may provide the horizontal connectivity at all the offices through RajSWAN and then the BOOT Operator is required to switch the existing MPLS network connectivity in to RajSWAN.	When switched over to RSWAN, at what bandwidth you intend to connect these location. We suggested the specs for the router supporting serial interface (64K to 2Mbps) as main connectivity	Please Refer the Technical Specifications for the Access Router in Chapter-17 (Item No. 31)
99	CMS	23	5.1.2 WAN Connectivity	A WAN Network needs to be created with high security measures that will subsequently support Layer 3 tunneling methods such as IPsec and MPLS for creation of VPNs	MPLS itself does not provide encryption, integrity, or authentication services. MPLS and IPSec together provide a very high level of security for VPNs. Are you looking for a router at remote location that support IPSEC	Please Refer the Technical Specifications for the Access Router in Chapter-17 (Item No. 31)
100	CMS	23	5.1.2 WAN Connectivity	The BOOT Operator shall provide the network connectivity at all the project locations by using the MPLS-VPN technology from a Class-'A' and NLD License holder ISP. The traffic from all the locations should arrive at the central site i.e. SDC, Jaipur.	Specification for the Core Specs are missing from the tender.We suggest the specs for the same.	Please Refer the Technical Specifications for the Core Router in Chapter-17 (Item No. 29)
101	HCL	23	5.1.2 WAN Connectivity	The BOOT Operator shall provide the network connectivity at all the project locations by using the MPLS-VPN technology from a Class-'A' and NLD License holder ISP. The traffic from all the locations should arrive at the central site i.e. SDC, Jaipur.	Specification for the Core Router is missing from the tender.We suggest the specs for the same.	Please Refer the Technical Specifications for the Core Router in Chapter-17 (Item No. 29)

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102	TCS	23	5.1.2 WAN Connectivity		Normally ISPs provide 1Mbps dedicated links on existing copper wire. In case of laying Fiber from near exchange to office location ISPs need Right of way from department. Pls clarify	Please refer to the modified clause
103	SPANCO	23	5.1.2.10	Initially, the BOOT Operator is required to provide the WAN connectivity at all the designated locations on MPLS Technology. But, Looking to the upcoming RajSWAN in the state, GoR may provide the horizontal connectivity at all the offices through RajSWAN and then the BOOT Operator is required to switch the existing MPLS network connectivity in to RajSWAN	clarification : Please suggest what will be the Link speed , when it will connected to the RajSWAN, is it the same as proposed.	It would be decided at a later stage but will not be less than the existing bandwidth for the respective locations.
104	CMS	23	5.1.2.10	Initially, the BOOT Operator is required to provide the WAN connectivity at all the designated locations on MPLS Technology. But, Looking to the upcoming RajSWAN in the state, GoR may provide the horizontal connectivity at all the offices through RajSWAN and then the BOOT Operator is required to switch the existing MPLS network connectivity in to RajSWAN.	a.What is the tentative time of Raj SWAN implementation	Can not be answered at this Stage
105	CMS	23	5.1.2.10		b.What will happen to the investments made if Rajswan comes .	The Existing Networking Hardware would be used for connecting RSWAN POP
106	CMS	23	5.1.2.10		c. Please clarify the last mile connectivity	Please refer the RFP Clause No. 5.1.2
107	CMS	23	5.1.2.10		d. We request you to consider for the Bandwidth charges to be paid separately by Department to the ISP and to be removed from the scope of Work. (As the feasibility issues will come with MPLS in the state). However the network equipment can continue to be the scope of Vendor.	As per RFP
108	RAITEL CORPORATION OF INDIA LIMITED	23	5.1.2.8	The BOOT Operator will provide minimum 1 Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the full time SRO's/DIG/IG offices.	Optical Fiber Connectivity for approx 80 locations is very costly and it will take more time for connectivity as compared to radio connectivity so option for last mile connectivity on radio should be kept open	Please refer to the Modified Clause
109	AIRTEL	23	5.1.2.8	The BOOT Operator will provide minimum 1Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the Full-Time SROs/DIG/IG offices.	Extending Fiber at all Full-time SROs/DIG/IG offices is a difficult task, which involves enormous trenching, laying work & ROW permissions from respective authorities of each region, therefore We request IGRS to allow us to provide connectivity for 67 locations with 1Mbps connectivity on appropriate RF Media. Leaving a choice on Service Provider to offer last mile on Fiber/RF media depending upon feasibility with equivalent uptime commitment required for the project.	Please refer to the Modified Clause

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110	SPANCO	23	5.1.2.8	The BOOT Operator will provide minimum 1Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the Full-Time SROs/DIG/IG offices	Clarification : what will be the Link capacity for 13 DIG/ADM , Ajmer IGRS Head Office and Data Centre	Please Refer to the Modified Clause
111	SPANCO	23	5.1.2.8-9	The BOOT Operator will provide minimum 1Mbps dedicated and wired (Optical Fiber) WAN (MPLS) connectivity with backup at all the Full-Time SROs/DIG/IG offices/ The BOOT Operator will provide minimum 256Kbps wired/ wireless/ VSAT (preferably wired) WAN (MPLS) connectivity with backup at all the Part-Time SROs. For connectivity at these locations, a minimum of 4Mbps MPLS Bandwidth pool can be created that is shared between all the 289 locations with a minimum peak burst rate of 256Kbps	Calrification : how the Back up be achieved at varoius location. as in RFP there is no requirement of RAS.Suggestion : RAS should be implement at datacentre , PRI and BRI link should be implemented depending upon the load of the office	Please refer to the modified Clause and the Revised BOM,Technical Specifications at Chapter 16,17.
112	RAITEL CORPORATION OF INDIA LIMITED	23	5.1.2.9	The BOOT Operator will provide minimum 256 Kbps wired/wireless/VSAT (preferably wired) WAN (MPLS) connectivity with backup at all the Part time SRO's.For connectivity at these locations, a minimum of 4Mbps MPLS bandwith pool can be created that is shared between all the 289 locations with a minium peek burst rate of 256 Kbps.	You have mentioned minium bandwidth pool requirment of 4 Mbps which is shared between 289 locations with minium peak burst rate of 256 kbps because 4 Mbps bandwidth is less if half of the given location simultaneoulsy land on the network with given minium burst rate	Please Refer to the Modified Clause
113	SPANCO	23	5.1.2.9	The BOOT Operator will provide minimum 256Kbps wired/ wireless/ VSAT (preferably wired) WAN (MPLS) connectivity with backup at all the Part-Time SROs. For connectivity at these locations, a minimum of 4Mbps MPLS Bandwidth pool can be created that is shared between all the 289 locations with a minimum peak burst rate of 256Kbps.	Clarification :What will be Committed information rate for Part-Time SROs	Please Refer to the Modified Clause
114	CMC	23	5.1.3	WAN connectivity	It is said that in point #10 that operator can use RAJSWAN n/w. Can IGRS specify the time period when RAJSWAN is going to be implemented?. Who is the operator to be contacted for network connectivity costing, Technical and operational details.	Can not be answered at this Stage
115	CMS	25	5.1.3.3	At DIG/ADM office (13 Nos.)	What type of work will be done in DIG /ADM offices by deployed manpower? Please clarify.	As per RFP only work related to the Project.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
116	REDHAT	26	5.1.4	all the below mentioned genuine licensed software with appropriate licenses (as applicable) and manuals along with OEM support, updates, patches, and errata for the entire Contract/ Project Period.	OEM's like Red Hat and Oracle offers their products with Upgrades, Updates and Patches which means any given point of time customer has right choice to use new version of software and both the OEM's cannot offer their product without upgrades, updates and patches. Only one OEM ie MS offers their products without upgrades because of additional cost is associated with upgrades (in case of MS) The current specs give advantage to MS over other OEM's. We request to department you to include upgrade also as it will provide the benefit of upgrade to the customer and also give a fair play to all the OEM's .	As per RFP
117	REDHAT	26	5.1.4	MS-Windows XP professional (with latest Service Pack) on all the Desktop computers.	As application is web enabled, only browser is required at the Desktop. Department shall consider buying Red Hat Desktop OS as it will provide a secured environment (Linux is less prone virus attacks compared to Win) , which will help the department in reduced down time and cost saving on anti virus components. Additionally customer will get complete office productivity suite (open office) bundled along with the OS without any additional cost. . Since the entire tender is open and fair play has been given to every technology expect Desktop OS, which is proprietary, it is suggested that department may include Red Hat Desktop also as an option.	As per RFP
118	TULIP	26	5.1.4	MS-Windows XP professional (with latest Service Pack) on all the Desktop computers.	As application is web enabled and requires only browser at Desktop level by including Red Hat Desktop OS customer will remove the virus attacks , reduce the down time and also save the cost of anti virus components as on Red Hat desktop OS as it is not required and also same time customer will get complete office suite free of cost . More over entire tender open every technology expect Desktop OS. Requesting you to include Red Hat Desktop	As per RFP
119	CMS	26	5.1.4	Note: - As the department has already purchased, during the pilot, License(s) of Oracle 10g Std Edition on RHEL platform , the BOOT Operator shall get them upgraded to enterprise Edition in consultation with Oracle/ OEM. Oracle/ OEM has already confirmed to the department about this up gradation for the BOOT Operator.	As it clearly tells that the solution should be on Oracle Database and RHE platform? Need more clarification on existing oracle components and licences.	Its an option for the Boot Vendor which he can avail.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
120	REDHAT	26	5.1.4	Oracle Database Server 10g R2 Edition with RAC/MS – SQL Server 2005 Ent. Edition or higher and to be configured in Active-Active/ High Availability mode for the supplied Operating System.	Request you to include leading open source database. To name a few nation wide large customers/projects like Indian Post,CGHS,IDSP ,Employment exchange, NIC. Choice of CG etc are already using open source database for large records.	As per RFP, also refer to revised clause and Bill of Material
121	TULIP	26	5.1.4	Oracle Database Server 10g R2 Edition with RAC/MS – SQL Server 2005 Ent. Edition or higher and to be configured in Active-Active/ High Availability mode for the supplied Operating System.	MYSQL/Postgres SQL Database are leading open source database and supported by Red Hat. To name a few nation wide large customers/projects like Indian Post , CGHS,Tribal affairs,IDSP ,Employment exchange , Panchayati Raj ,NIC are already using these database for large records.Requesting you to include MYSQL/Postgres SQL to give fair chance to Open Source Technology.	As per RFP, also refer to revised clause and Bill of Material
122	CMC	26	5.1.4	Oracle Up gradation	Will IGRS purchase on its own Oracle enterprise edition or the Boot operator needs to buy?. If so then its pricing also to be included in Financial bid.	Boot Operator has to upgrade these licenses in consultation with Oracle. Cost implications to be discussed by the BOOT Operator with Oracle and then quote accordingly.
123	REDHAT	26	5.1.4	Red Hat Linux 5.1 AP/ MS-Windows Server 2008 Ent. Edition or higher with required CALs (as applicable) as the Server Operating System.	Please quantify number of CAL's	As per RFP.
124	TULIP	26	5.1.4	Required System Software for the project Oracle Database Server 10g R2 Edition with RAC/MS – SQL Server 2005 Ent. Edition or higher and to be configured in Active-Active/ High Availability mode for the supplied Operating System.	BOOT Operator should also be allowed to propose solution based on DB2 database in addition to Oracle and MS-SQL	Please refer to the revised clause and Bill of Material
125	IBILT TECHNOLOGIES LTD.	26	5.1.4	Required System Software for the project Oracle Database Server 10g R2 Edition with RAC/MS – SQL Server 2005 Ent. Edition or higher and to be configured in Active-Active/ High Availability mode for the supplied Operating System.	BOOT Operator should also be allowed to propose solution based on DB2 database in addition to Oracle and MS-SQL	Please refer to the revised clause and Bill of Material
126	Calance Software Pvt. Ltd.	26	5.1.4	Windows XP professional (with latest Service Pack) on all the Desktop computers.	Why Windows XP on Desktop?	As per RFP
127	CMC	27	5.1.5.2	Technology for application	Pilot application was in J2EE. Why IGRS is planning to keep the option of .NET technology open? Any specific reason for this. CMC suggests IGRS to strictly bind it to J2EE technology as pilot project using that technology is working smoothly. IGRS should also include a clause of sharing the existing source code to the boot operator once the party has won the bid. This will help in reducing timelines for phase2 of the time schedule given in RFP.	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
128	TULIP	27	5.1.5.2 Stage II	The BOOT Operator shall be responsible for Design, Development and Deployment of Anywhere Registration Web Portal and Application Software using Open standards and Open Source/ .NET technology.	.Net technology deviates from Open Standards definition. Open Standards talks about "Maximize End-User Choice and No Royalty. .Net is a proprietary & also do not give choice of freedom as this technology only works MS products. Therefore requesting you to remove. NET technology."	As per RFP
129	REDHAT	27	5.1.5.2 Stage II	The BOOT Operator shall be responsible for Design, Development and Deployment of Anywhere Registration Web Portal and Application Software using Open standards and Open Source/.NET technology.	.Net technology deviates from Open Standards definition. Open Standards talks about Maximize End-User Choice and No Royalty. .Net is a proprietary & also do not give choice of freedom as this technology only works MS products. Request to change that Development and Deployment of Anywhere Registration Web Portal and Application software using Open standards, Non-proprietary and Open Source compatible technologies. Large projects to name a few like emitra, deptt of Finance & Treasury,RUIS and Rajasthan govt Portal are based on above.	As per RFP
130	WIPRO	28	5.1.5.2 Stage II 2	Various MIS reports	Please specify the number and type of MIS reports and	As per RFP (Pl. refer Annexure 7 & 9)
131	SPANCO	28	5.1.5.2 Stage II 3	The portal would facilitate the following features to citizens mainly: DLR Rates	How often does the DLR Rates changes.	Minimum Twice in a Year
132	HCL	29	5.1.5.2 Stage II 6	The assigned users (IGRS, DIG, Sub Registrar and Administrator of web site) should use SSL (Secure Socket Layer) & Digital certificate with user ID and Password to login to the portal.	Who shall be procuring the digital certificates in the name of the users ?. Please indicate the number of users who would be required to sign with digital certificates.	Department
133	CMC	30	5.1.5.2	Uploading documents to database	Is IGRS referring to documents that are scanned needs to be stored in database. Can the option of secured file system storage be used for this purpose?	Shall be decided during SRS Phase
134	SATYAM COMPUTERS	30	5.1.5.2 Stage II 8	Integrated on-line MIS reporting system and GIS	a) Could please provide the details of this tool b) Does this need to be integrated with the new CMS?	As per RFP
135	IBM	30	5.1.5.2 Stage II 9	The Application has to have Security /monitoring features inbuilt into the same with following minimum features • Definition of Roles and users • Define role-wise Add/edit/view/delete rights for each Entry Form/Report in all modules. • Time and user Stamp	What kind of monitoring solution is being proposed for tracking of the user activities, process instances, KPIs, SLA? WebSphere Business Monitor can provide this capability with appropriate user authentication and role based access for the different insta	As per RFP
136	CMS	31	5.1.5.2 Stage II 15	It is mentioned in the RFP that Payment gateway shall have to be provided for online payments	a. Please clarify what all the services of the department are proposed to be offered for making online payment.	For all kind of payments received by Department under Registration process
137	CMC	31	5.1.5.2 Stage II 15	Payment Gateway	Has IGRS used interface of payment gateway in any other applications?. If yes then, can the same component be reused in this application too.	No, not in use rightnow

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
138	SPANCO	31	5.1.5.2 Stage II 15	Payment Gateway	It says "for online payment as and when required by the department." So is the payment gateway in scope for Phase-1?	For all kind of payments recived by Department under Registration process
139	SPANCO	31	5.1.5.2 Stage II 15	Payment Gateway	Is there any specific payment gateway vendors are expected to use or any Industry standard secure gateway would work.	As per RFP (refer Clause no.5.1.5.2 Stage II 15)
140	HCL	32	5.1.5.2 Stage II 18	The BOOT Operator shall ensure that it would plan a business continuity framework for entire project. The BOOT Operator has to study its integration with SDC's BCP (Business Continuity Plan) if required.	The Bill of material in chapter 17 does not specify a DR BOM. In the absence of this what level of business continuity is required? Is Disaster Recovery part of the scope of work. If yes then where is the DR to be located.	No DR Site is Required. Also please Refer revised Technical Specifications.
141	CMC	32	5.1.5.2 Stage II 19	Integration with other applications	IGRS should include that all technical details of other applications for which interface is to be made will be provided. e.g. GIS, Land record, DMS etc.	As per RFP
142	IBILT TECHNOLOGIES LTD.	32	5.1.5.2 Stage II 19	Integration with other Applications/Databases	Please provide technical details of Rajasthan Land Record Management Project (Apna Khata) and Rajasthan GIS Project (TUIS) / Vikas Darpan. These are required for technical proposal. Do these systems support publishing and consuming secured web services?	As per RFP
143	TULIP	32	5.1.5.2 Stage II 19	Integration with other Applications/Databases	Please provide technical details of Rajasthan Land Record Management Project (Apna Khata) and Rajasthan GIS Project (TUIS) / Vikas Darpan. These are required for technical proposal. Do these systems support publishing and consuming secured web services?	As per RFP
144	WIPRO	32	5.1.5.2 Stage II 19	Integration with other Applications/Databases	1. Please provide the technological details of the same. 2. Please provide the Application integration points of each of the legacy systems with the IGRS. 3. Type or to what extent of interface required for other departments to interact with the IGRS application.	As per RFP
145	TCS	32	5.1.5.2 Stage II 19	Integration with other Applications/Databases:	Please provide the software & technical environment for Rajasthan Land Record Management and RUIS.	As per RFP
146	SATYAM COMPUTERS	32	5.1.5.2 Stage II 19	Rajasthan Land Record Management	There is a mention of records management project (Apna Katha). Could you please elaborate on the functionalities and specification of the project	As per RFP
147	HCL	32	5.1.5.2 Stage II 19	The BOOT vendor would be required to integrate the application software with such GIS Applications and would have to make appropriate provision in the Application Software to view the attribute data pertaining to Registration Department, Revenue Department and any other Department over GIS Maps.	Scope of integration not clear. Please clarify whether any GIS is part of the scope. Attribute data from this application to other GIS application can be exported or imported through API's. We can provide API's in our application for this purpose. Please validate.	As per RFP, GIS is not under Scope of Work

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
148	CMS	33	5.1.6	Development of Departmental Portal -Scanned Documents	Please clarify if citizens can download the scanned images through the portal, are there any charges to be collected and its mechanism.	Shall be decided during SRS Phase
149	SATYAM COMPUTERS	33	5.1.6.2	Website content	All the sections of the Web site would be of dynamic in nature? Please let us know the percentage of dynamic and static content on the website.	Shall be decided during SRS Phase
150	SATYAM COMPUTERS	34	5.1.7	Content Creation, Development and Management	From the process diagram we understand that there is a need for content creation. a) How the content is currently authored? Are there any content authoring tools that can be leveraged? Based our experience on CMS – WCM, the templates need to be created prior to content authoring, so please let us know the number of templates that are required to be constructed?	Please refer to clause No.5.1.6 and 5.1.7
151	TULIP	34	5.1.7	Content Creation, Development and Management The BOOT Operator would be required to collect the contents to be incorporated in the Web site/portal from the department, digitize the contents and upload the same after approval by Department.	How many users in the department will have authority for reviewing and approving contents?	IGRS and the designated users
152	IBILT TECHNOLOGIES LTD.	34	5.1.7	Content Creation, Development and Management The BOOT Operator would be required to collect the contents to be incorporated in the Web site/portal from the department, digitize the contents and upload the same after approval by Department.	How many users in the department will have authority for reviewing and approving contents?	It would be informed time to time.
153	CMC	35	5.1.7	CMS (Content Management Server)	CMC understands that CMS will be used only for contents of portal. Is DMS 'document management software' also required?	Please refer the revised Clause No. 5.1.12.5 and Bill of Material, Technical Specifications for DMS requirements

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
154	CMC	35	5.1.7	Content Management System	As per CMC understanding CMS (Content management System) will be a part of Web Portal to update all kinds of information into the web Portal. Kindly Clarify Whether content management system includes Document Management System If yes, then clarify 1.the file format for documents to be scanned 2.Define the Indexing fields for retrieval of each category of Document 3.Maximum no of Characters to be keyed in for each indexing field 4.No of user/Admin Licenses based upon location 5.Define Hardware requirement for the Proposed DMS application /where the DMS is to be installed etc If not, please clarify about archival & retrieval of Scanned image documents	As per RFP (refer Clause no.5.1.6, 5.1.7,5.1.7.2 ii and 6.3.2),also refer revised clause no. 5.1.12.5, Bill of Material, Technical Specifications for DMS requirements. Other clarifications shall be decided during SRS Phase
155	SATYAM COMPUTERS	35	5.1.7	Information Collection	We understand that the information is made available in print form. And need to converted into HTML, PDF, Doc and Flash.	As per RFP (Please refer clause no.5.1.6,5.1.6.2 and 5.1.7.2)
156	SATYAM COMPUTERS	35	5.1.7	Information Collection	a) Could you please validate this? b) Please let us know the various sources of content aggregation? c) At what frequency does the content get updated?	As per RFP
157	SATYAM COMPUTERS	35	5.1.7	Version Control & Archiving + content life cycle	What are the rules for Legal compliance and Record Management Policy to be kept in mind for content recording?	As per RFP
158	HCL	36	5.1.7	The BOOT Operator would be required to get the information approved from IGRS and after approval upload the information onto designated servers	The BOOT operator has no business to upload any content / information on his own. The BOOT operator shall only upload information / content given to him by authorized personnel of the department after due approval. Hence the question of taking due approval does not arise.	As per RFP, prior approval is required
159	TCS	37	5.1.7	(vii)The BOOT Operator shall ensure following: Content pages are not out of date	While proper hosting of information page is BOOT Operator's responsibility, Availability & quality of updated content should be IGRS's responsibility.	Hosting of Information is BOOT operators responsibility but the content to be uploaded will be provided by the Department
160	SATYAM COMPUTERS	37	5.1.7	Metadata creation	a) How is metadata currently managed, attached, edited stored etc...is there an application, product that does this? b) Can you provide us with detailed description of the metadata model? Could you also give us examples of the same?	Refer Chapter 5 for details of existing Application Software. It would be decided during SRS Phase
161	SATYAM COMPUTERS	37	5.1.7	Search	We see that there is a mention of search and indexing in the RFP. Can you please elaborate on the expected functionalities of search. For e.g. full text search, wildcard search etc..	As per information mentioned in RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
162	SATYAM COMPUTERS	38	5.1.7	Publishing	What are the different export formats (word, pdf, XML, or any other proprietary formats) of content? Please explain the working processes involved in delivering these different formats.	Shall be decided during SRS Phase
163	SATYAM COMPUTERS	38	5.1.7	Reporting	What are the reporting requirements at -- Metadata level - Process & workflow level - Audit trails - Usage statistics - Content level	Shall be decided during SRS Phase
164	IBILT TECHNOLOGIES LTD.	39	5.1.7	Speed The BOOT Operator shall ensure that the page size is limited to such extent that load time is acceptable for users. The typical user access methods would include LAN, modem, Leased Line, etc.	Please provide maximum acceptable page load time on modem connection.	Shall be decided during SRS Phase
165	TULIP	39	5.1.7	Speed The BOOT Operator shall ensure that the page size is limited to such extent that load time is acceptable for users. The typical user access methods would include LAN, modem, Leased Line, etc.	Please provide maximum acceptable page load time on modem connection.	Shall be decided during SRS Phase
166	WIPRO	39	5.1.7	Speed:The BOOT Operator shall ensure that the page size is limited to such extent that load time is acceptable for users. The typical user access methods would include LAN, modem, Leased Line, etc.	Please specify if there is any performance benchmarking or SLA for the IGRS application. Acceptable to user is an open ended statement.	Shall be decided during SRS Phase
167	IBM	39	5.1.8	Application Security	The security requirements state that online transaction shall use SSL with 128 bit encryption certificate and PKI based security for user authentication and content encryption. What are other forms of security authentication and authorization are expected	Please refer RFP for other type of Security Required
168	SPANCO	39	5.1.8	Application Security	Are there any form of PKI tokens currently being used, which would need to be brought forward in the new application.	No, not in use rightnow
169	SATYAM COMPUTERS	39	5.1.8	eforms	a) By eForms, do you mean "Interactive PDF"? If so, how many such eforms are required to be developed? b) Is the citizen expected to download the eForms and fill them up? How many fields per eform would be an average?	Shall be decided during SRS Phase
170	IBILT TECHNOLOGIES LTD.	39	5.1.8 (4)	PKI Deployment should be based upon a digital certificate that uses Eforms with overlapping digital signature, which is then used to authenticate users for messaging validation, web-client transactions, Web server application authentication and so on.	It is not clear how e-forms and digital certificate together will be used for authenticating users. Please clarify Are e-forms required to be proposed as part of the technical solution?	Shall be decided during SRS Phase
171	TULIP	39	5.1.8 (4)	PKI Deployment should be based upon a digital certificate that uses Eforms with overlapping digital signature, which is then used to authenticate users for messaging validation, web-client transactions, Web server application authentication and so on.	It is not clear how e-forms and digital certificate together will be used for authenticating users. Please clarify Are e-forms required to be proposed as part of the technical solution?	Shall be decided during SRS Phase

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
172	CMS	41	5.1.11.6	Operation and Management	Can we know that when the exofficio offices will be opened in a week? And when they will be closed. In absence of SRO in ex officio offices, what all the activities the operator has to perform.	Daily Working Hours - As per GoR Rules. Operator would perform the tasks as detailed in the RFP.
173	CMS	45	5.1.11.4 (2)	Maintenance and support on the PCs not procured under this contract would also be part of scope of work of the BOOT Operator.	Need clarity on other PC's which are not procured under this contract. We request you provide specification of existing PCs to be maintained by bidder.	Not covered under BOOT Project. Clause Removed.
174	HCL	45	5.1.11.4 (2)	Maintenance and support on the PCs not procured under this contract would also be part of scope of work of the BOOT Operator.	Please provide us the complete list of such existing equipments (Make , Model) and configuration which needs to be maintained by the BOOT operator	Not covered under BOOT Project. Clause Removed.
175	CMS	46	5.1.11.6	Training Services - The Training program should extensive with imparting hands-on training so that the departmental staff gets trained on the Anywhere Registry Application within a period of 3 months to be able to work independently on the computers. It will be the responsibility of BOOT Operators to impart hands-on training in operating Anywhere Registration Software to be departmental staff.	After 3 months hands-on training, if departmental staff is not ready to do anywhere registry application, whether training should continue or not?	As per RFP
176	HCL	46	5.1.12 (2)	The BOOT Operator will be responsible to feed the accurate DLC data and related data to the central database for the entire State	What is DLC data ? Please indicate the volume of the data to b entered.	DLC rates means the Land rates as decided by "District Level Committee" or by IGRS/State Government.
177	IBM	47	5.1.12	The BOOT Operator shall be responsible to make the data compatible to existing Document Management System (DMS) installed at SDC for document archiving.	Please provide name, version number and other technical details (e.g. h/w reqmts) of the existing Document Management System. If required, can this be deployed on multiple servers for scalability? What features are supported by this DMS and will be available for use for the new system?	Existing DMS used is Stex Datascan Online v 3.1.0, For new DMS requirements requirements at SDC refer Clause No. 5.1.12.5, BOM and Technical Specifications
178	HCL	47	5.1.12 (5)	The BOOT Operator shall be responsible to make the data compatible to existing Document Management System (DMS) installed at SDC for document archiving.	What is the DMS in use at SDC ? Can the BOOT operator use the same DMS for document management and archiving?	Existing DMS used is Stex Datascan Online v 3.1.0, For new DMS requirements requirements at SDC refer Clause No. 5.1.12.5, BOM and Technical Specifications
179	IBILT TECHNOLOGIES LTD.	47	5.1.12 (5)	The BOOT Operator shall be responsible to make the data compatible to existing Document Management System (DMS) installed at SDC for document archiving.	Please provide name, version number and other technical details (e.g. h/w reqmts) of the existing Document Management System. If required, can this be deployed on multiple servers for scalability? What features are supported by this DMS and will be available for use for the new system?	Existing DMS used is Stex Datascan Online v 3.1.0, For new DMS requirements requirements at SDC refer Clause No. 5.1.12.5, BOM and Technical Specifications

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
180	TULIP	47	5.1.12 (5)	The BOOT Operator shall be responsible to make the data compatible to existing Document Management System (DMS) installed at SDC for document archiving.	Please provide name, version number and other technical details (e.g. h/w reqmts) of the existing Document Management System. If required, can this be deployed on multiple servers for scalability? What features are supported by this DMS and will be available for use for the new system?	Existing DMS used is Stex Datascan Online v 3.1.0, For new DMS requirements requirements at SDC refer Clause No. 5.1.12.5, BOM and Technical Specifications
181	IBM	48	5.5	5.5.1 Asset Management Services The BOOT Operator shall be required to create database of all IT assets like hardware, software, peripherals, etc., by recording information like configuration details, serial numbers, licensing agreements, warranty and AMC details, etc. 5.5.2 Record installation and removal of any equipment from the network and inform Registration & Stamps Department even if it is temporary. 5.5.3 Create Software inventory with information such as Licenses, Version Numbers and Registration Details 5.5.4 Register all software procured by Registration & Stamps Department in this bid document with respective OEMs 5.5.5 Perform software license management and notify Registration & Stamps Department on licensing contract renewal. Renewal cost to be born by the BOOT Operator.	Please clarify, Is the functionality expected via a tool or BOOT Operator can provide the asked funcioanlities manually.	Please refer the RFP Clause No. 5.5.6
182	IBILT TECHNOLOGIES LTD.	48	5.5	5.5.1 Asset Management Services The BOOT Operator shall be required to create database of all IT assets like hardware, software, peripherals, etc., by recording information like configuration details, serial numbers, licensing agreements, warranty and AMC details, etc. 5.5.2 Record installation and removal of any equipment from the network and inform Registration & Stamps Department even if it is temporary. 5.5.3 Create Software inventory with information such as Licenses, Version Numbers and Registration Details. 5.5.4 Register all software procured by Registration & Stamps Department in this bid document with respective OEMs 5.5.5 Perform software license management and notify Registration & Stamps Department on licensing contract renewal. Renewal cost to be born by the BOOT Operator.	Please clarify, Is the functionality expected via a tool or BOOT Operator can provide the asked funcioanlities manually.	Please refer the RFP Clause No. 5.5.6

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183	TULIP	48	5.5	<p>5.5.1 Asset Management Services The BOOT Operator shall be required to create database of all IT assets like hardware, software, peripherals, etc., by recording information like configuration details, serial numbers, licensing agreements, warranty and AMC details, etc. 5.5.2 Record installation and removal of any equipment from the network and inform Registration & Stamps Department even if it is temporary. 5.5.3 Create Software inventory with information such as Licenses, Version Numbers and Registration Details. 5.5.4 Register all software procured by Registration & Stamps Department in this bid document with respective OEMs 5.5.5 Perform software license management and notify Registration & Stamps Department on licensing contract renewal. Renewal cost to be born by the BOOT Operator.</p>	Please clarify, Is the functionality expected via a tool or BOOT Operator can provide the asked functionalities manually.	Please refer the RFP Clause No. 5.5.6
184	TULIP	48	5.6	<p>5.6.1 The BOOT Operator shall maintain a record of hardware as well as software and all other items supplied in this tender including the details of policies implemented on the servers, n/w, databases, web servers, etc. 5.6.2 The BOOT Operator shall keep soft copies of the configurations of each of the devices mentioned above. Office of the Inspector General of Registration & Stamps Department, Ajmer 5.6.3 The BOOT Operator shall ensure define change management procedures to ensure that no unwarranted changes are carried out on the equipments. All the changes carried out by Bidder must be formally approved by Registration & stamps Department and recorded. 5.6.4 The BOOT Operator shall do proper version management of these configurations as the configurations may be changed from time to time. This is required to ascertain changes made to these configurations at different stages as well as have functional configurations. 5.6.5 These configurations shall not be accessible in general except to Registration & stamps Department and must be kept confidential under the authority of pro</p>	Please clarify, Is the functionality expected via a tool or BOOT Operator can provide the asked functionalities manually.	through Tool

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
185	IBILT TECHNOLOGIES LTD.	48	5.6	<p>5.6.1 The BOOT Operator shall maintain a record of hardware as well as software and all other items supplied in this tender including the details of policies implemented on the servers, n/w, databases, web servers, etc.</p> <p>5.6.2 The BOOT Operator shall keep soft copies of the configurations of each of the devices mentioned above. Office of the Inspector General of Registration & Stamps Department, Ajmer</p> <p>5.6.3 The BOOT Operator shall ensure define change management procedures to ensure that no unwarranted changes are carried out on the equipments. All the changes carried out by Bidder must be formally approved by Registration & stamps Department and recorded.</p> <p>5.6.4 The BOOT Operator shall do proper version management of these configurations as the configurations may be changed from time to time. This is required to ascertain changes made to these configurations at different stages as well as have functional configurations.</p> <p>5.6.5 These configurations shall not be accessible in general except to Registration & stamps Department</p>	Please clarify, Is the functionality expected via a tool or BOOT Operator can provide the asked functionalties manually.	through Tool
186	IBM	48	5.6	<p>5.6.1 The BOOT Operator shall maintain a record of hardware as well as software and all other items supplied in this tender including the details of policies implemented on the servers, n/w, databases, web servers, etc.</p> <p>5.6.2 The BOOT Operator shall keep soft copies of the configurations of each of the devices mentioned above. Office of the Inspector General of Registration & Stamps Department, Ajmer</p> <p>5.6.3 The BOOT Operator shall ensure define change management procedures to ensure that no unwarranted changes are carried out on the equipments. All the changes carried out by Bidder must be formally approved by Registration & stamps Department and recorded.</p> <p>5.6.4 The BOOT Operator shall do proper version management of these configurations as the configurations may be changed from time to time. This is required to ascertain changes made to these configurations at different stages as well as have functional configurations.</p> <p>5.6.5 These configurations shall not be accessible in general except to Registration & stamps Department and must be kept confidential under the authority of pro</p>	Please clarify, Is the functionality expected via a tool or BOOT Operator can provide the asked functionalties manually.	through Tool

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
187	IBILT TECHNOLOGIES LTD.	48	5.4.3	Documentation of problems, isolation, cause and rectification procedures for building knowledge base for the known problems.	There is also an ask for helpdesk. Knowledge base functionality is part of service desk module and can be provided via Service desk. Please clarify is it acceptable to provide helpdesk and knowledge management functionality via a single service desk tool.	Yes
188	IBM	48	5.4.3	Documentation of problems, isolation, cause and rectification procedures for building knowledge base for the known problems.	There is also an ask for helpdesk. Knowledge base functionality is part of service desk module and can be provided via Service desk. Please clarify is it acceptable to provide helpdesk and knowledge management functionality via a single service desk tool.	Yes
189	TULIP	48	5.4.3	Documentation of problems, isolation, cause and rectification procedures for building knowledge base for the known problems.	There is also an ask for helpdesk. Knowledge base functionality is part of service desk module and can be provided via Service desk. Please clarify is it acceptable to provide helpdesk and knowledge management functionality via a single service desk tool.	Yes
190	IBM	49	5.8.5	5.8 Network Management Services Configuration/Reconfiguration of routers, switches, servers etc. for network connectivity, as and when required.	The configuration task should be handled manually with the help of Element Management System provided by Network Devices vendor.	As per RFP
191	IBILT TECHNOLOGIES LTD.	49	5.8.5	5.8 Network Management Services Configuration/Reconfiguration of routers, switches, servers etc. for network connectivity, as and when required.	The configuration task should be handled manually with the help of Element Management System provided by Network Devices vendor.	As per RFP
192	TULIP	49	5.8.5	5.8 Network Management Services Configuration/Reconfiguration of routers, switches, servers etc. for network connectivity, as and when required.	The configuration task should be handled manually with the help of Element Management System provided by Network Devices vendor.	As per RFP
193	IBILT TECHNOLOGIES LTD.	49	5.8.6	The BOOT Operator shall maintain an updated inventory/asset list of complete IT network infrastructure and an updated set of documents for LAN /WAN network diagrams with relevant details.	Maintaining document and WAN Network Diagram is a manual process which should be performed by SI	As per RFP
194	IBM	49	5.8.6	The BOOT Operator shall maintain an updated inventory/asset list of complete IT network infrastructure and an updated set of documents for LAN / WAN network diagrams with relevant details.	Maintaining document and WAN Network Diagram is a manual process which should be performed by SI	As per RFP
195	TULIP	49	5.8.6	The BOOT Operator shall maintain an updated inventory/asset list of complete IT network infrastructure and an updated set of documents for LAN /WAN network diagrams with relevant details.	Maintaining document and WAN Network Diagram is a manual process which should be performed by SI	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
196	IBM	50	5.9	<p>5.9 Server Management Services</p> <p>5.9.1 The BOOT Operator shall manage the servers on end-to-end basis like server administration, performance tuning, hardware and software support and upkeep of the server etc.</p> <p>5.9.2 Handling of OS related issues, installation of OS updates and patches, reinstalling OS if required, periodic system performance tuning, monitoring server usage statistics, network OS support, and start up and shut down of servers. The BOOT Operator will also have to resolve all the issues between the Servers & software supplied under this project.</p> <p>5.9.3 The BOOT Operator shall provide device/peripherals management, user management, file system management, files management services for the servers.</p> <p>5.9.4 The BOOT Operator shall implement operating system security/hardening and application level security for the servers.</p>	Please clarify, Is the functionality expected via a tool or BOOT Operator can provide the asked functionalties manually.	through Tool
197	IBILT TECHNOLOGIES LTD.	50	5.9	<p>5.9 Server Management Services</p> <p>5.9.1 The BOOT Operator shall manage the servers on end-to-end basis like server administration, performance tuning, hardware and software support and upkeep of the server etc.</p> <p>5.9.2 Handling of OS related issues, installation of OS updates and patches, reinstalling OS if required, periodic system performance tuning, monitoring server usage statistics, network OS support, and start up and shut down of servers. The BOOT Operator will also have to resolve all the issues between the Servers & software supplied under this project.</p> <p>5.9.3 The BOOT Operator shall provide device/peripherals management, user management, file system management, files management services for the servers.</p> <p>5.9.4 The BOOT Operator shall implement operating system security/hardening and application level security for the servers.</p>	Please clarify, Is the functionality expected via a tool or BOOT Operator can provide the asked functionalties manually.	through Tool
198	IBM	50	5.8.10	Configure / reconfigure the switches and routers remotely, if required.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP
199	TULIP	50	5.8.10	Configure / reconfigure the switches and routers remotely, if required.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP
200	IBILT TECHNOLOGIES LTD.	50	5.8.10	5.8.10 Configure / reconfigure the switches and routers remotely, if required.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
201	IBM	50	5.8.7	The BOOT Operator shall provide services for link / devices augmentation / deletion, relocation / connection / disconnection, etc. as and when required.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP
202	TULIP	50	5.8.7	The BOOT Operator shall provide services for link / devices augmentation / deletion, relocation / connection / disconnection, etc. as and when required.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP
203	IBILT TECHNOLOGIES LTD.	50	5.8.7	The BOOT Operator shall provide services for link / devices augmentation / deletion, relocation / connection / disconnection, etc. as and when required.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP
204	IBM	50	5.8.8	Maintain and update IP address allocation & optimum management of IP addresses. The vendor should understand the existing IP addressing scheme and allocate the IP addresses for new LAN segment.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP
205	TULIP	50	5.8.8	Maintain and update IP address allocation & optimum management of IP addresses. The vendor should understand the existing IP addressing scheme and allocate the IP addresses for new LAN segment.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP
206	IBILT TECHNOLOGIES LTD.	50	5.8.8	5.8.8 Maintain and update IP address allocation & optimum management of IP addresses. The vendor should understand the existing IP addressing scheme and allocate the IP addresses for new LAN segment.	This is a manual process which should be performed by operators performing day to day tasks	As per RFP
207	CMS	55	7.1	Service Level Standards - d) Provide quality consumables like branded CD's & Backup media, Paper, Toners etc, Avoid usage of low quality consumables	Need a clarity Usage of CD's	CD's would be used for Backup purpose only
208	CMC	58	8.6.1	If there would be any increase in the taxes, levies, duties, fee and other charges during tenure of the contract, the financial burden of the same shall be borne by the bidder	Request you not to levies the full burden to bidder, we would mutually resolve at the time of dispute.	As per RFP
209	Calance Software Pvt. Ltd.	60	9.2	Preliminary Examination of Technical Bids: The Tendering Authority will examine the Technical bids to determine whether they are complete, the documents have been properly signed, the required EMD is enclosed.	Is EMD required as Bank Guarantee?	As per RFP (Please refer Clause No.11.28.1)
210	TULIP	60	9.3	Evaluation of Technical Bids The Tendering Authority will examine these solutions and will decide on the issue of equivalence or superiority as compared to the desirable requirements	Request that evaluation criteria for qualifying technical solution be shared with the bidders.	As per RFP
211	IBILT TECHNOLOGIES LTD.	60	9.3	Evaluation of Technical Bids The Tendering Authority will examine these solutions and will decide on the issue of equivalence or superiority as compared to the desirable requirements	Request that evaluation criteria for qualifying technical solution be shared with the bidders.	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
212	IBM	60	9.3	Evaluation of Technical Bids The Tendering Authority will examine these solutions and will decide on the issue of equivalence or superiority as compared to the desirable requirements	Request that evaluation criteria for qualifying technical solution be shared with the bidders.	As per RFP
213	CMS	62	9.8.A & B	TABLE –A1, A2,B1 & B2	In the commercial Bid since the costs are asked as with operator / without operator how the SLA will be applicable	As per RFP
214	DATA INFOSYS LTD.	65	10.8	Release of Performance Security	After 3 months of satisfactory working / performance, the Advance payment against B.G. should be given on Qtlly basis	As per RFP
215	WIPRO	67	11.10	11.10 Loss of Revenue to the Tendering Authority: The bidder shall be vicariously liable to indemnify the Tendering Authority in case of any misuse of data/information by the bidder, deliberate or otherwise, which comes into the knowledge of the Tendering Authority during the performance or prevalence of the contract.	Need to further clarity to clause. Bidder request to exclude all incidental loss /expenses.	As per RFP
216	CMC	68	11.18.1	Bidder shall not have any right to sub-let/assign the contract in full/part to any one	We should be insisting for assignment right, with a view to complexity of work scope	As per RFP
217	CMC	70	11.25	If any dispute arises out of the contract with regard to the interpretation, meaning and breach of the terms of the contract, the matter shall be referred to by the	Our Suggestion is, "In case any disputes arises out of the contract the party shall try to negotiate the same within 30 days of such dispute. In case the	Please refer modified clause
218	WIPRO	70	11.21.7	If site visit shows inconformity with documents submitted by the bidder then he will be deemed to be ineligible for participating in the bid.	Bidder expect all the Site ready for implementation.	This site means onsite verification of documents as submitted by the Bidder to claim their eligibility.
219	TCS	71	11.28	Earnest Money Deposit:	Department should allow the Bank Guarnatee also for EMD	As per RFP
220	BEL	71	11.28	Earnest Money Deposit:	Whether Earnest Money Deposit (EMD) can be submitted in the form of a Bank Guarantee Bond instead of Demand Draft. If the answer is Yes, please provide the format of the BG	As per RFP
221	HCL	71	11.28.1	Earnest Money Deposit:	We request that the vendors may be allowed to submit the EMD money in the form of Bank Guarantee. The draft format for the same may also be provided	As per RFP
222	CMS	71	11.28.1	The bidder shall furnish, as part of the Technical Bid, an EARNEST MONEY DEPOSIT in the form of a DD of a Nationalized Bank, drawn in favor of Inspector General of Registration & Stamps payable at Ajmer for Rs 1 Crore (Rupees One Crore) 2% of the estimated project cost.	Since BG Amount is very high we would request you to change the EMD in the form of BG instead of DD.	As per RFP
223	SPANCO	71	11.28.1	The bidder shall furnish, as part of the Technical Bid, an EARNEST MONEY DEPOSIT in the form of a DD of a Nationalized Bank, drawn in favor of Inspector General of Registration & Stamps payable at Ajmer for Rs 1 Crore (Rupees One Crore) 2% of the estimated project cost.	We request acceptance of Bank Guarantee as EMD. Pls also advice Format for the Bank Guarantee,	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
224	WIPRO	71	11.28.1	The bidder shall furnish, as part of the Technical Bid, an EARNEST MONEY DEPOSIT in the form of a DD of a Nationalized Bank, drawn in favor of Inspector General of Registration & Stamps payable at Ajmer for Rs 1 Crore (Rupees One Crore) 2% of the estimated project cost. The demand draft should be valid for a period of Six Months (180 days) from the date of opening of bids.	Bidder request to accepted EMD in form of Bank Guarantee from reputed Bank.	As per RFP
225	TRIMAX	71	11.28.1 & 2	Earnest Money	EMD should be in form of Bank Guarantee of Nationalized Bank and Bank should have at least one Branch in any district of Rajasthan	As per RFP
226	WIPRO	72	11.28.5	b) Bidder does not respond to requests for clarification of their bid c) Bidder fails to co-operate during the bid evaluation process, and	Request deletion of the same	As per RFP
227	BEL	73	11.30	Terms of Payments	Terms of Payments : Whether payments could be made to the BOOT Operator on monthly basis instead of quarterly basis.	Please refer modified clause
228	CMC	73	11.30.1	Terms of Payments	The payments Should be made to the BOOT Operator Monthly, instead of quarterly basis. As BOOT operation involves incurring large costs for Manpower, consumables etc.	Please refer modified clause
229	CMS	73	11.30.1	The payments will be made to the BOOT Operator on quarterly basis.	As per need, lot of capex & opex has to involve in the project, quarterly payment mode is very difficult to bidder, so we request you change the payment release manner quarterly to monthly.	Please refer modified clause
230	DATA INFOSYS LTD.	73	11.30.1	The payments will be made to the BOOT Operator on quarterly basis.	Should be on Monthly basis and there should be scope for advance mobilization of funds considering the tender size.	Please refer modified clause
231	WIPRO	73	11.30.1	The payments will be made to the BOOT Operator on quarterly basis.	Request Monthly payment to Boot Operator.	Please refer modified clause
232	CMC	73	11.30.3	Any penalties/ liquidated damages	Any penalties/ liquidated damages imposed on BOOT Operator should be deducted from the payments of the next quarter, to ensure smooth payment cycle.	As per RFP, also refer revised Terms of Payment
233	CMS	74	11.30.6 b	Payment would be started only during the Phase-4 and after successful completion of all of the three phases i.e. Phase -1, Phase 2 and Phase3.	We request you to start payment from Phase 3.	As per RFP
234	WIPRO	76	11.31	Exit Management	Exit management - request clarity on Commercial impact on Asset transfer to IGRS .	As per RFP
235	REDHAT	76	11.31.2 ii	The BOOT Operator will transfer all the Software Licenses under the name of the GoR/ Department as desired by the tendering authority during the exit management period.	Request to change:-The BOOT Operator will transfer all the Software Licenses/Subscriptions (As open source technology comes under subscriptions policy) under the name of the GoR/ Department as desired by the tendering authority during the exit management period and Licenses/Subscriptions sold to department.	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
236	WIPRO	81	11.32.1	In such type of event Tendering Authority can terminate the Contract and would be free to fully take over the assets and operations without giving any compensation to the BOOT Operator.	In such type of event Tendering Authority can terminate the Contract and would be free to fully take over the assets and operations at payment mutually agreed price.	As per RFP
237	WIPRO	81	11.32.1	The Tendering Authority, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the BOOT Operator, may terminate the Contract fully or in	Request mutual right of termination for default.	As per RFP
238	WIPRO	82	11.35	Penalty for the delay in services delivery & non-performance	Cummulative Penalty for the quarter shall not exceed 10% of quarterly payout.	As per RFP
239	TULIP	82	11.35	Penalty for the delay in services delivery & non performance	How Network and server availability will be measured and maintained? Is it expected to provide availability SLA reports or is it going to be a manual activity.	As per RFP. The report on delays in service delivery would be obtained from each SR Office.
240	IBILT TECHNOLOGIES LTD.	82	11.35	Penalty for the delay in services delivery & non-performance	How Network and server availability will be measured and maintained? Is it expected to provide availability SLA reports or is it going to be a manual activity.	As per RFP. The report on delays in service delivery would be obtained from each SR Office.
241	IBM	82	11.35	Penalty for the delay in services delivery & non-performance	How Network and server availability will be measured and maintained? Is it expected to provide availability SLA reports or is it going to be a manual activity.	As per RFP. The report on delays in service delivery would be obtained from each SR Office.
242	DATA INFOSYS LTD.	82	11.35.2	Penalty at Sub Registrar Offices (SROs)	Should be maximum (less than 5 %) considering this is a BOOT project	As per RFP
243	BEL	82	11.35.2	Penalty for the delay in services delivery & non-performance	Penalties should be imposed only for down time of infrastructure and not for the WAN connectivity. Penalties may be limited to a max. of 20% of the quarterly amount payable for the respective SRO	As per RFP
244	CMS	82	11.35.2	Penalty at Sub Registrar Offices (SROs)	The penalties at the SRO of 15 min should be clarified if it is for every document or is it for the downtime of 15 min per day.	On per day per office/location basis
245	CMS	84	11.35.6	If the BOOT Operator fails to maintain the uptime of 99% the penalty imposed.....	In the view of existing available network connectivity models in the State of Rajasthan the Nil penalty clause should to be for >=97% uptime	As per RFP
246	BEL	90	Chapter 13 Clause 7	The bidder / lead partner must be possessing ISO 9001:2000 certification and SEI-CMM Level-3 Certification.	Please clarify whether both Bidder and consortium partner combined together can possess these certifications instead of individually have both certifications.	Please refer to the modified clause and revised checklist

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
247	HCL	90	Chapter 13 Clause 7	The bidder/ lead partner must be possessing ISO 9001:2000 certification and SEI-CMM Level-3 Certification	Request change to The bidder / any of consortium partner must be possessing ISO 9001:2000 certification and or SEI-CMM Level-3 Certification, Since both serve the purpose of quality equal. A multi-locational project of this nature is generally led by a System Integration Company having regional geographical footprint. Hence ISO certification for SI is more relevant from the perspective of a lead bidder. CMM certification is relevant for a Software development house which may be allowed to be met by a consortium member. If only lead bidder needs to fulfill all the criteria then what's the point to allow consortium?	Please refer to the modified clause and revised checklist
248	CMC	94	14.6	We shall give benefit of any price reduction found by the time of placing the Supply order.	We want the clarification as what sort of price reduction you are seeking for, is not clear by the statement?	In case there is a price reduction during date of submission of bids and actual supply, the bidder would have to pass on the price benefit to IGRS.
249	IBILT TECHNOLOGIES LTD.	98	16.1	Bill of Material Hardware Requirements Location: State Data Center OEM supported Open Source/.NET Application Server and Web Portal Software Licenses (as applicable) with Cluster suite and to be installed upon the Application Server and the Web Server mentioned above in this table.	BOOT Operator should also be allowed to propose solution based on commercially available Application Sever, Portal Server and other middleware softwares and not just Open Source softwares.	As per RFP
250	IBM	98	16.1	Bill of Material Hardware Requirements Location: State Data Center OEM supported Open Source/.NET Application Server and Web Portal Software Licenses (as applicable) with Cluster suite and to be installed upon the Application Server and the Web Server mentioned above in this table.	BOOT Operator should also be allowed to propose solution based on commercially available Application Sever, Portal Server and other middleware softwares and not just Open Source softwares.	As per RFP
251	TULIP	98	16.1	Bill of Material Hardware Requirements Location: State Data Center OEM supported Open Source/.NET Application Server and Web Portal Software Licenses (as applicable) with Cluster suite and to be installed upon the Application Server and the Web Server mentioned above in this table.	BOOT Operator should also be allowed to propose solution based on commercially available Application Sever, Portal Server and other middleware softwares and not just Open Source softwares.	As per RFP
252	IBILT TECHNOLOGIES LTD.	98	16.1	Bill of Material Hardware Requirements Location: State Data Center	Bidders may arrive at different hardware specifications and quantities based on their solution. Please clarify how this Bill of Material should be interpreted - indicative, minimum required or binding on the bidders?	Minimum
253	IBM	98	16.1	Bill of Material Hardware Requirements Location: State Data Center	Bidders may arrive at different hardware specifications and quantities based on their solution. Please clarify how this Bill of Material should be interpreted - indicative, minimum required or binding on the bidders?	Minimum

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
254	TULIP	98	16.1	Bill of Material Hardware Requirements Location: State Data Center	Bidders may arrive at different hardware specifications and quantities based on their solution. Please clarify how this Bill of Material should be interpreted - indicative, minimum required or binding on the bidders?	Minimum
255	TULIP	98	16.1	Bill of Material Hardware Requirements Location: State Data Center Min. Oracle Database Server 10g R2 Edition with RAC / MS- SQL Server 2005 Ent. Edition Software Licenses (as applicable) with Cluster suite and to be installed upon the Database Server mentioned above in this table	BOOT Operator should also be allowed to propose solution based on DB2 database in addition to Oracle and MS-SQL	Please refer to the revised clause and Bill of Material
256	IBILT TECHNOLOGIES LTD.	98	16.1	Bill of Material Hardware Requirements Location: State Data Center Min. Oracle Database Server 10g R2 Edition with RAC / MS- SQL Server 2005 Ent. Edition Software Licenses (as applicable) with Cluster suite and to be installed upon the Database Server mentioned above in this table	BOOT Operator should also be allowed to propose solution based on DB2 database in addition to Oracle and MS-SQL	Please refer to the revised clause and Bill of Material
257	IBM	98	16.1	Bill of Material Hardware Requirements Location: State Data Center Min. Oracle Database Server 10g R2 Edition with RAC / MS- SQL Server 2005 Ent. Edition Software Licenses (as applicable) with Cluster suite and to be installed upon the Database Server mentioned above in this table	BOOT Operator should also be allowed to propose solution based on DB2 database in addition to Oracle and MS-SQL	Please refer to the revised clause and Bill of Material
258	CMS	98	16.1	Hardware requirements	Please clarify if generator has to be supplied by the vendor and if yes dept should provide the necessary space.	DGSET is not asked in the bid
259	REDHAT	98	16.1	Min. Oracle Database Server 10g R2 Edition with RAC / MS- SQL Server 2005 Ent. Edition Software Licenses (as applicable) with Cluster suite and to be installed upon the Database Server mentioned above in this table.	Please quantify number of Data base CAL's or CPU License.	As per RFP (as applicable)
260	Calance Software Pvt. Ltd.	98	16.1	The above are the minimum requirements for Sub Registrar Offices where the average no of documents are 25 per day. The BOOT Operator shall be responsible to deploy additional computers with operators at the Sub Registrar Offices at his own cost wherever the average no of documents are more than 25 per day.	Is BOM to be linked with transactions?	As per RFP (Please refer Clause No.5.1.1.4)
261	CMS	98	16.1		Please clarify if UPS is required at SDC along with Specification.	Please refer revised Bill of Material, Technical Specifications (Item no. 16) for UPS requirements at SDC
262	SPANCO	98	16 & 17	Portal Software and Hardware not specified	Kindly note that the Portal Hardware & Software line item is not specified in Bill of Material & Technical Specifications. Kindly confirm the portal Server hardware & software requirement.	Please refer Item No. 2 and BOM for Portal H/W and S/W requirements

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
263	CMC	100	16.1	The above are the minimum requirements for Sub Registrar Offices where the Average no of documents are 25 per day.	As per CMC Understandings the Word "Average" is relative figure & is vulnerable to extreme values and is seasonal / dependent on other factors too. Kindly clarify Per Day Volume for Full time SRO, Per Day volume for Part Time SRO	As per RFP
264	IBILT TECHNOLOGIES LTD.	103	Chapter 17 Item No. 1	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	It should read as 24MB per processor card.	Please refer the modified specifications.
265	SUN MICRO SYSTEMS	103	Chapter 17 Item No. 1	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	As per OEM CPU architecture Remarks- The given specification is specific to one vendor only. Different CPU vendors have got different specifications with respect to L2/L3 cache depending on the CPU architecture.	Please refer the modified specifications.
266	HCL	103	Chapter 17 Item No. 1	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	For commercial database environments 9MB L3 cache per core is optimized option. Request you to modify the cache requirement as 9 MB per core (18MB per processor) for better price performance. The incremental performance benefit on account of additional 3MB per core is very minimal	Please refer the modified specifications.
267	HP	103	Chapter 17 Item No. 1	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	For commercial database environments 9MB L3 cache per core is optimised option. Request you to modify the cache requirement as 9 MB per core (18MB per processor) for better price performance. The incremental performance benefit on account of additional 3MB per core is very minimal	Please refer the modified specifications.
268	SPANCO	103	Chapter 17 Item No. 1	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	For commercial database environments 9MB L3 cache per core is optimised option. Request you to modify the cache requirement as 9 MB per core (18MB per processor) for better price performance. The incremental performance benefit on account of additional 3MB per core is very minimal	Please refer the modified specifications.
269	LOCUZ	103	Chapter 17 Item No. 1	Cache Memory-12MB Integrated L3 Cache per core (24MB per processor)	As per OEM CPU architecture Remarks- The given specification is specific to one vendor only. Different CPU vendors have got different specifications with respect to L2/L3 cache depending on the CPU architecture.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
270	IBILT TECHNOLOGIES LTD.	103	Chapter 17 Item No. 1		Customer should mention following to measure the performance of Risc/EPIC server: The populated Server should offer estimated 300000 TPMC upgradeable to 600000 ratings and should be verifiable. Accordingly the No. of CPUs to be configured. TPMCs claimed by each vendor must be derived from published benchmark for the system offered. If the benchmark for the system is not available on the website then the TPMC claimed should be in line with the published benchmark for a more high-end system than the offered server. And the quoted server should have in box upgradeability of 100%.	As per RFP
271	TULIP	103	Chapter 17 Item No. 1	DB Server & Apps Server at SDC Server Under Cluster	The populated Server should offer estimated 300000 TPMC upgradeable to 600000 ratings and should be verifiable. Accordingly the No. of CPUs to be configured. TPMCs claimed by each vendor must be derived from published benchmark for the system offered. If the benchmark for the system is not available on the website then the TPMC claimed should be in line with the published benchmark for a more high-end system than the offered server. And the quoted server should have in box upgradeability of 100%.	As per RFP
272	HCL	103	Chapter 17 Item No. 1	Hard Disk capacity & type 3 x 146 GB Hot Swappable SCSI HDD (15K)	SAS SFF is the latest generation HDD and better in performance and reliability. We recommend to modify this as "3 x 146 GB Hot Swappable SAS SFF HDD (10K) with 8 hot plug HDD bays". This will provide investment protection as well.	Please refer the modified specifications.
273	HP	103	Chapter 17 Item No. 1	Hard Disk capacity & type 3 x 146 GB Hot Swappable SCSI HDD (15K)	SAS SFF is the latest generation HDD and better in performance and reliability. We recommend to modify this as "3 x 146 GB Hot Swappable SAS SFF HDD (10K) with 8 hot plug HDD bays". This will provide investment protection as well.	Please refer the modified specifications.
274	SPANCO	103	Chapter 17 Item No. 1	Hard Disk capacity & type 3 x 146 GB Hot Swappable SCSI HDD (15K)	SAS SFF is the latest generation HDD and better in performance and reliability. We recommend to modify this as "3 x 146 GB Hot Swappable SAS SFF HDD (10K) with 8 hot plug HDD bays". This will provide investment protection as well.	Please refer the modified specifications.

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275	LOCUZ	103	Chapter 17 Item No. 1	Hard Disk capacity & type 3 x 146 GB Hot Swappable SCSI HDD (15K)	SAS or SCSI 10K RPM Remarks- SAS is the newer technology than SCSI and currently the 10K rpm is the speed we have standardised at. This speed anyway doesnot have any impact on the performance of the system. But the advantage it gives is huge like smaller form factor and lower power consumption.	Please refer the modified specifications.
276	SUN MICRO SYSTEMS	103	Chapter 17 Item No. 1	Hard Disk capacity & type 3 x 146 GB Hot Swappable SCSI HDD (15K)	SAS or SCSI 10K RPM Remarks- SAS is the newer technology than SCSI and currently the 10K rpm is the speed we have standardised at. This speed anyway doesnot have any impact on the performance of the system. But the advantage it gives is huge like smaller form factor and lower power consumption.	Please refer the modified specifications.
277	IBILT TECHNOLOGIES LTD.	103	Chapter 17 Item No. 1	Network Interface 4 Gigabit Ethernet ports	On how many adapters	As per OEM Architecture
278	SUN MICRO SYSTEMS	103	Chapter 17 Item No. 1	Number of CPU and/or Cores Two, populated and upgradeable up to Four	Please ask for 8 cores upgradable to 16 cores Remarks- This is because most of the processors available are multi core architecture and also the core and processors are interchangeably used by some vendors.	Please refer the modified specifications.
279	LOCUZ	103	Chapter 17 Item No. 1	Number of CPU and/or Cores- Two, populated and upgradeable up to Four	Please ask for 8 cores upgradable to 16 cores Remarks- This is because most of the processors available are multi core architecture and also the core and processors are interchangeably used by some vendors.	Please refer the modified specifications.
280	HCL	103	Chapter 17 Item No. 1	Number of Sockets and/or Cores	As no cores are mentioned request you to modify this as "Number of sockets"	Please refer the modified specifications.
281	IBILT TECHNOLOGIES LTD.	103	Chapter 17 Item No. 1	Number of Sockets and/or Cores Two, populated and upgradeable up to Four	Pls Clarify? It is 2 sockets upgradeable to 4 sockets? or 2 Cores upgradeable to 4 Cores ? Instead of sockets and Cores can we specify the tpc benchmarks ?	Please refer the modified specifications.
282	HP	103	Chapter 17 Item No. 1	Number of Sockets and/or Cores	As no cores are mentioned request you to modify this as "Number of sockets"	Please refer the modified specifications.
283	SPANCO	103	Chapter 17 Item No. 1	Number of Sockets and/or Cores	As no cores are mentioned request you to modify this as "Number of sockets"	Please refer the modified specifications.
284	IBILT TECHNOLOGIES LTD.	103	Chapter 17 Item No. 1	Operating System Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent. Edition with cluster suite and OEM Support, updates, patches and errata for the entire contract/project period.	Since current OS is RHEL AS4, so here it should be "Min. RHEL AS 4"	Please refer the modified specifications.
285	SUN MICRO SYSTEMS	103	Chapter 17 Item No. 1	Operating System Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent. Edition with cluster suite and OEM Support, updates, patches and errata for the entire contract/project period.	Latest 64 bit Unix as an option Remarks- The system should be certified to run either of the latest 64 bit Unix operating system or Windows Server. Also the beauty of the UNIX/RISC combination is that the OS is finetuned for the CPU architecture. The detailed comparison of RHEL and Solaris is enclosed.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
286	LOCUZ	103	Chapter 17 Item No. 1	Operating System - Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent. Edition with cluster suite and OEM Support, updates, patches and errata for the entire contract/project period.	Latest 64 bit Unix as an option. Remarks- The system should be certified to run either of the latest 64 bit Unix operating system or Windows Server. Also the beauty of the UNIX/RISC combination is that the OS is finetuned for the CPU architecture. The detailed comparison of RHEL and Solaris is enclosed.	Please refer the modified specifications.
287	LOCUZ	103	Chapter 17 Item No. 1	Processor/CPU- RISC/ EPIC based 64-bit Processor 1.6 GHz or latest generation.	1.4 Ghz or higher Remarks- This is required to enable us to participate as the threshold of 1.6 GHz is of Itanium and there is a specific vendor of these servers.	Please refer the modified specifications.
288	SUN MICRO SYSTEMS	103	Chapter 17 Item No. 1	Processor/CPU RISC/ EPIC based 64-bit Processor 1.6 GHz or latest generation.	1.4 Ghz or higher Remarks-This is required to enable us to participate as the threshold of 1.6 GHz is of Itanium and there is a specific vendor of these servers.	Please refer the modified specifications.
289	HCL	103	Chapter 17 Item No. 1	Processor/CPU-RISC/EPIC based 64-bit processor, 1.6 GHz or latest generation	Processor/CPU-RISC/EPIC based 64-bit processor, minimum 1.6 GHz. The CPU should be of latest generation at the time of bidding for investment protection.	Please refer the modified specifications.
290	HP	103	Chapter 17 Item No. 1	Processor/CPU-RISC/EPIC based 64-bit processor, 1.6 GHz or latest generation	Processor/CPU-RISC/EPIC based 64-bit processor, minimum 1.6 GHz. The CPU should be of latest generation at the time of bidding for investment protection.	Please refer the modified specifications.
291	SPANCO	103	Chapter 17 Item No. 1	Processor/CPU-RISC/EPIC based 64-bit processor, 1.6 GHz or latest generation	Processor/CPU-RISC/EPIC based 64-bit processor, minimum 1.6 GHz. The CPU should be of latest generation at the time of bidding for investment protection.	Please refer the modified specifications.
292	IBILT TECHNOLOGIES LTD.	103	Chapter 17 Item No. 1	RAID Controller Dual Channel Hardware RAID Controller	Is it for internal disks or external disks?	Internal Disks
293	HCL	103	Chapter 17 Item No. 1	RAID Controller Dual Channel Hardware RAID Controller	RAID performance depends on cache available on the controller. Request to specify min 256 MB cache for better performance	Please refer the modified specifications.
294	HP	103	Chapter 17 Item No. 1	RAID Controller Dual Channel Hardware RAID Controller	RAID performance depends on cache available on the controller. Request to specify min 256 MB cache for better performance	Please refer the modified specifications.
295	SPANCO	103	Chapter 17 Item No. 1	RAID Controller Dual Channel Hardware RAID Controller	RAID performance depends on cache available on the controller. Request to specify min 256 MB cache for better performance	Please refer the modified specifications.
296	SUN MICRO SYSTEMS	103	Chapter 17 Item No. 1	RAM / Main Memory 32GB Parity Protected ECC-RAM expandable up to min. 64 GB	PI provide an option for FB-DIMM in addition to ECC Remarks- FB-DIMM is a newer and advanced technology compared to DDR which is on the verge of obsolescence with 5 years roadmap.	Please refer the modified specifications.
297	LOCUZ	103	Chapter 17 Item No. 1	RAM / Main Memory - 32GB Parity Protected ECC-RAM expandable up to min. 64 GB	PI provide an option for FB-DIMM in addition to ECC Remarks- FB-DIMM is a newer and advanced technology compared to DDR which is on the verge of obsolescence with 5 years roadmap.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
298	HCL	103	Chapter 17 Item No. 1	RAM / Main Memory 32GB Parity Protected ECC-RAM expandable up to min. 64 GB	We recommend to specify DDR2 RAM with double chip spare to attain more reliability. Also the memory bandwidth of min 8.5 GB/s to ensure the performance	Please refer the modified specifications.
299	HP	103	Chapter 17 Item No. 1	RAM / Main Memory 32GB Parity Protected ECC-RAM expandable up to min. 64 GB	We recommend to specify DDR2 RAM with double chip spare to attain more reliability. Also the memory bandwidth of min 8.5 GB/s to ensure the performance	Please refer the modified specifications.
300	SPANCO	103	Chapter 17 Item No. 1	RAM / Main Memory 32GB Parity Protected ECC-RAM expandable up to min. 64 GB	We recommend to specify DDR2 RAM with double chip spare to attain more reliability. Also the memory bandwidth of min 8.5 GB/s to ensure the performance	Please refer the modified specifications.
301	SUN MICRO SYSTEMS	103	Chapter 17 Item No. 1	Removable Drive Internal/ External SCSI DVD-ROM Drive	Please remove the word SCSI to accommodate alternate configurations Remarks- Some vendors can offer IDE DVD-ROM instead of SCSI	Please refer the modified specifications.
302	LOCUZ	103	Chapter 17 Item No. 1	Removable Drive - Internal/ External SCSI DVD-ROM Drive	Please remove the word SCSI to accommodate alternate configurations Remarks- Some vendors can offer IDE DVD-ROM instead of SCSI	Please refer the modified specifications.
303	HCL	103	Chapter 17 Item No. 1	Server Management	Remote management port should be asked to have better management capability	As per RFP
304	HP	103	Chapter 17 Item No. 1	Server Management	Remote management port should be asked to have better management capability	As per RFP
305	HP	103	Chapter 17 Item No. 1	Server Management	Redundant and Hotswap Fan should be asked for better uptime of the servers	Please refer the modified specifications.
306	SPANCO	103	Chapter 17 Item No. 1	Server Management	Remote management port should be asked to have better management capability	As per RFP
307	SPANCO	103	Chapter 17 Item No. 1	Server Management	Redundant and Hotswap Fan should be asked for better uptime of the servers	Please refer the modified specifications.
308	HCL	103	Chapter 17 Item No. 1	Slots 4 PCI / PCI Express Slots	Scalability is very important for database server. Request to modify this as "7 PCI/ PCI Express Slots" so that enough free slots are available after redundant controller and 4 NIC ports	Please refer the modified specifications.
309	HP	103	Chapter 17 Item No. 1	Slots 4 PCI / PCI Express Slots	Scalability is very important for database server. Request to modify this as "7 PCI/ PCI Express Slots" so that enough free slots are available after redundant controller and 4 NIC ports	Please refer the modified specifications.
310	SPANCO	103	Chapter 17 Item No. 1	Slots 4 PCI / PCI Express Slots	Scalability is very important for database server. Request to modify this as "7 PCI/ PCI Express Slots" so that enough free slots are available after redundant controller and 4 NIC ports	Please refer the modified specifications.
311	HCL	103	Chapter 17 Item No. 1		Redundant and Hotswap Fan should be asked for better uptime of the servers	Please refer the modified specifications.
312	HCL	104	Chapter 17 Item no. 2	Web Server at SDC under Cluster -RISC/ EPIC based 64-bit Processor	Request you to change web server on Xeon spec's as asked for backup server. Output of Xeon quad core server is	As per RFP, also refer modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
313	TRIMAX	104	Chapter 17 Item No. 2	Web Server at SDC under Cluster -RISC/ EPIC based 64-bit Processor	We would request this to be modified to RISC/EPIC/x64 based processor	Please refer the modified specifications.
314	IBILT TECHNOLOGIES LTD.	104	Chapter 17 Item No. 2	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	It should read as 24MB per processor card.	Please refer the modified specifications.
315	LOCUZ	104	Chapter 17 Item No. 2	Cache Memory - 12MB Integrated L3 Cache per core (24MB per processor)	As per OEM CPU architecture Remarks- The given specification is specific to one vendor only. Different CPU vendors have got different specifications with respect to L2/L3 cache depending on the CPU architecture.	Please refer the modified specifications.
316	HCL	104	Chapter 17 Item No. 2	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	For commercial database environments 9MB L3 cache per core is optimised option. Request you to modify the cache requirement as 9 MB per core (18MB per processor) for better price performance	Please refer the modified specifications.
317	HP	104	Chapter 17 Item No. 2	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	For commercial database environments 9MB L3 cache per core is optimised option. Request you to modify the cache requirement as 9 MB per core (18MB per processor) for better price performance	Please refer the modified specifications.
318	SPANCO	104	Chapter 17 Item No. 2	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	For commercial database environments 9MB L3 cache per core is optimised option. Request you to modify the cache requirement as 9 MB per core (18MB per processor) for better price performance	Please refer the modified specifications.
319	SUN MICRO SYSTEMS	104	Chapter 17 Item No. 2	Cache Memory 12MB Integrated L3 Cache per core (24MB per processor)	As per OEM CPU architecture Remarks- The given specification is specific to one vendor only. Different CPU vendors have got different specifications with respect to L2/L3 cache depending on the CPU architecture.	Please refer the modified specifications.
320	HCL	104	Chapter 17 Item No. 2	Hard Disk capacity & type 2 x 146 GB Hot Swappable SCSI HDD (15K)	SAS SFF is the latest generation HDD and better in performance and reliability. We recommend to modify this as "2 x 146 GB Hot Swappable SAS SFF HDD (10K) with 8 hot plug HDD bays". This will provide investment protection as well.	Please refer the modified specifications.
321	HP	104	Chapter 17 Item No. 2	Hard Disk capacity & type 2 x 146 GB Hot Swappable SCSI HDD (15K)	SAS SFF is the latest generation HDD and better in performance and reliability. We recommend to modify this as "2 x 146 GB Hot Swappable SAS SFF HDD (10K) with 8 hot plug HDD bays". This will provide investment protection as well.	Please refer the modified specifications.
322	SPANCO	104	Chapter 17 Item No. 2	Hard Disk capacity & type 2 x 146 GB Hot Swappable SCSI HDD (15K)	SAS SFF is the latest generation HDD and better in performance and reliability. We recommend to modify this as "2 x 146 GB Hot Swappable SAS SFF HDD (10K) with 8 hot plug HDD bays". This will provide investment protection as well.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
323	SUN MICRO SYSTEMS	104	Chapter 17 Item No. 2	Hard Disk capacity & type 2 x 146 GB Hot Swappable SCSI HDD (15K)	SCSI / SAS 10K RPM Remarks- SAS is the newer technology than SCSI and currently the 10K rpm is the speed we have standardised at. This speed anyway doesnot have any impact on the performance of the system. But the advantage it gives is huge like smaller form factor and lower power consumption.	Please refer the modified specifications.
324	LOCUZ	104	Chapter 17 Item No. 2	Hard Disk capacity & type 2 x 146 GB Hot Swappable SCSI HDD (15K)	SCSI / SAS 10K RPM Remarks- SAS is the newer technology than SCSI and currently the 10K rpm is the speed we have standardised at. This speed anyway doesnot have any impact on the performance of the system. But the advantage it gives is huge like smaller form factor and lower power consumption.	Please refer the modified specifications.
325	HCL	104	Chapter 17 Item No. 2	HBA Dual Port 4 Gbps FC HBA PCI-X/PCI-e based. Required to configure redundant SAN adapters	For all commercial web application no web server data is stored in SAN. Request you to reconsider this requirement.	As per RFP
326	HP	104	Chapter 17 Item No. 2	HBA Dual Port 4 Gbps FC HBA PCI-X/PCI-e based. Required to configure redundant SAN adapters	For all commercial web application no web server data is stored in SAN. Request you to reconsider this requirement.	As per RFP
327	SPANCO	104	Chapter 17 Item No. 2	HBA Dual Port 4 Gbps FC HBA PCI-X/PCI-e based. Required to configure redundant SAN adapters	For all commercial web application no web server data is stored in SAN. Request you to reconsider this requirement.	As per RFP
328	IBILT TECHNOLOGIES LTD.	104	Chapter 17 Item No. 2	Network Interface 4 x Gigabit Ethernet ports	On how many adapters	As per OEM Architecture
329	SUN MICRO SYSTEMS	104	Chapter 17 Item No. 2	Number of CPU and/or Cores Two Populated	Please ask for 8 cores upgradable to 16 cores Remarks- This is because most of the processors available are multi core architecture and also the core and processors are interchangeably used by some vendors.	Please refer the modified specifications.
330	LOCUZ	104	Chapter 17 Item No. 2	Number of CPU and/or Cores -Two Populated	Please ask for 8 cores upgradable to 16 cores Remarks- This is because most of the processors available are multi core architecture and also the core and processors are interchangeably used by some vendors.	Please refer the modified specifications.
331	HCL	104	Chapter 17 Item No. 2	Number of Sockets and/or Cores	As no cores mentioned request you to modify this as "Number of sockets"	Please refer the modified specifications.
332	IBILT TECHNOLOGIES LTD.	104	Chapter 17 Item No. 2	Number of Sockets and/or Cores Two Populated	Pls Claiify? It is 2 sockets ? or 2 Cores? Instead of sockets and Cores can we specify the tpc benchmarks ?	Please refer the modified specifications.
333	HP	104	Chapter 17 Item No. 2	Number of Sockets and/or Cores	As no cores mentioned request you to modify this as "Number of sockets"	Please refer the modified specifications.
334	SPANCO	104	Chapter 17 Item No. 2	Number of Sockets and/or Cores	As no cores mentioned request you to modify this as "Number of sockets"	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
335	SUN MICRO SYSTEMS	104	Chapter 17 Item No. 2	Operating System Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent	Latest 64 bit Unix as an option Remarks- The system should be certified to run either of the latest 64 bit Unix operating system or Windows Server. Also the beauty of the UNIX/RISC combination is that the OS is finetuned for the CPU architecture. The detailed comparison of RHEL and Solaris is enclosed.	Please refer the modified specifications.
336	LOCUZ	104	Chapter 17 Item No. 2	Operating System - Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent.	Latest 64 bit Unix as an option Remarks-The system should be certified to run either of the latest 64 bit Unix operating system or Windows Server. Also the beauty of the UNIX/RISC combination is that the OS is finetuned for the CPU architecture. The detailed comparison of RHEL and Solaris is enclosed.	Please refer the modified specifications.
337	IBILT TECHNOLOGIES LTD.	104	Chapter 17 Item No. 2	Operating System Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent. Edition with cluster suite and OEM Support, updates, patches and errata for the entire contract/project period.	Since current OS is RHEL AS4, so here it should be "Min. RHEL AS 4"	Please refer the modified specifications.
338	SUN MICRO SYSTEMS	104	Chapter 17 Item No. 2	Processor/CPU RISC/ EPIC based 64-bit Processor 1.6 GHz or latest generation.	1.4 Ghz or higher Remarks- This is required to enable us to participate as the threshold of 1.6 GHz is of Itanium and there is a specific vendor of these servers	Please refer the modified specifications.
339	LOCUZ	104	Chapter 17 Item No. 2	Processor/CPU - RISC/ EPIC based 64-bit Processor 1.6 GHz or latest generation.	1.4 Ghz or higher Remarks- This is required to enable us to participate as the threshold of 1.6 GHz is of Itanium and there is a specific vendor of these servers	Please refer the modified specifications.
340	IBILT TECHNOLOGIES LTD.	104	Chapter 17 Item No. 2	RAID Controller Dual Channel Hardware RAID Controller	Is it for internal disks or external disks?	Internal Disks
341	HCL	104	Chapter 17 Item No. 2	RAID Controller Dual Channel Hardware RAID Controller	RAID performance depends on cache available on the controller. Request to specify min 256 MB cache for better performance	Please refer the modified specifications.
342	HP	104	Chapter 17 Item No. 2	RAID Controller Dual Channel Hardware RAID Controller	RAID performance depends on cache available on the controller. Request to specify min 256 MB cache for better performance	Please refer the modified specifications.
343	SPANCO	104	Chapter 17 Item No. 2	RAID Controller Dual Channel Hardware RAID Controller	RAID performance depends on cache available on the controller. Request to specify min 256 MB cache for better performance	Please refer the modified specifications.
344	SUN MICRO SYSTEMS	104	Chapter 17 Item No. 2	RAM / Main Memory 16GB parity protected ECC RAM Expandable to min. 32 GB	option for DDR2 ECC RAM, FB-DIMM Remarks-FB-DIMM is a newer and advamced technology compared to DDR which is on the verge of obsolescence with 5 years roadmap	Please refer the modified specifications.
345	LOCUZ	104	Chapter 17 Item No. 2	RAM / Main Memory - 16GB parity protected ECC RAM Expandable to min. 32 GB	option for DDR2 ECC RAM, FB-DIMM Remarks-FB-DIMM is a newer and advamced technology compared to DDR which is on the verge of obsolescence with 5 years roadmap	Please refer the modified specifications.
346	SUN MICRO SYSTEMS	104	Chapter 17 Item No. 2	Removable Drive Internal/ External SCSI DVD-ROM Drive	Please remove the word SCSI to accommodate alternate configurations Remarks- Some vendors can offer IDE DVD-ROM instead of SCSI	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
347	LOCUZ	104	Chapter 17 Item No. 2	Removable Drive - Internal/ External SCSI DVD-ROM Drive	Please remove the word SCSI to accommodate alternate configurations Remarks-Some vendors can offer IDE DVD-ROM instead of SCSI	Please refer the modified specifications.
348	HCL	104	Chapter 17 Item No. 2	Server Management	Remote management port should be asked to have better management capability	As per RFP
349	HP	104	Chapter 17 Item No. 2	Server Management	Remote management port should be asked to have better management capability	As per RFP
350	HP	104	Chapter 17 Item No. 2	Server Management	Redundant and Hotswap Fan should be asked for better uptime of the servers	Please refer the modified specifications.
351	SPANCO	104	Chapter 17 Item No. 2	Server Management	Remote management port should be asked to have better management capability	As per RFP
352	SPANCO	104	Chapter 17 Item No. 2	Server Management	Redundant and Hotswap Fan should be asked for better uptime of the servers	Please refer the modified specifications.
353	HCL	104	Chapter 17 Item No. 2	Slots 4 PCI / PCI Express Slots	Request you to modify this as "7 PCI / PCI Express Slots"	Please refer the modified specifications.
354	HP	104	Chapter 17 Item No. 2	Slots 4 PCI / PCI Express Slots	Request you to modify this as "7 PCI / PCI Express Slots"	Please refer the modified specifications.
355	SPANCO	104	Chapter 17 Item No. 2	Slots 4 PCI / PCI Express Slots	Request you to modify this as "7 PCI / PCI Express Slots"	Please refer the modified specifications.
356	SPANCO	104	Chapter 17 Item No. 2	Web Server at SDC under Cluster -RISC/ EPIC based 64-bit Processor	We would request this to be modified to RISC/EPIC/x64 based processor	Please refer the modified specifications.
357	HCL	104	Chapter 17 Item No. 2		Redundant and Hotswap Fan should be asked for better uptime of the servers	Please refer the modified specifications.
358	ACCEL FRONTLINE	104	Chapter 17 Item No. 2	Processor/CPU RISC/ EPIC based 64-bit Processor 1.6 GHz or latest generation.	1.4 Ghz or higher Remarks- This is required to enable us to participate as the threshold of 1.6 GHz is of Itanium and there is a specific vendor of these servers	Please refer the modified specifications.
359	ACCEL FRONTLINE	104	Chapter 17 Item No. 2	Number of CPU and/or Cores -Two Populated	Please ask for 8 cores upgradable to 16 cores Remarks- This is because most of the processors available are multi core architecture and also the core and processors are interchangeably used by some vendors.	Please refer the modified specifications.
360	ACCEL FRONTLINE	104	Chapter 17 Item No. 2	Cache Memory - 12MB Integrated L3 Cache per core (24MB per processor)	As per OEM CPU architecture Remarks- The given specification is specific to one vendor only. Different CPU vendors have got different specifications with respect to L2/L3 cache depending on the CPU architecture.	Please refer the modified specifications.
361	ACCEL FRONTLINE	104	Chapter 17 Item No. 2	RAM / Main Memory - 16GB parity protected ECC RAM Expandable to min. 32 GB	option for DDR2 ECC RAM, FB-DIMM Remarks- FB-DIMM is a newer and advanced technology compared to DDR which is on the verge of obsolescence with 5 years roadmap	Please refer the modified specifications.
362	ACCEL FRONTLINE	104	Chapter 17 Item No. 2	Hardtype - 2 x 146 GB Hot Swappable SCSI HDD (15K)	SCSI / SAS 10K RPM Remarks- SAS is the newer technology than SCSI and currently the 10K rpm is the speed we have standardised at. This speed anyway doesnot have any impact on the performance of the system. But the advantage it gives is huge like smaller form factor and lower power consumption.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
363	ACCEL FRONTLINE	104	Chapter 17 Item No. 2	Removable Drive - Internal/ External SCSI DVD-ROM Drive	Please remove the word SCSI to accommodate alternate configurations Remarks-Some vendors can offer IDE DVD-ROM instead of SCSI	Please refer the modified specifications.
364	ACCEL FRONTLINE	104	Chapter 17 Item No. 2	Operating System - Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent.	Latest 64 bit Unix as an option Remarks-The system should be certified to run either of the latest 64 bit Unix operating system or Windows Server. Also the beauty of the UNIX/RISC combination is that the OS is finetuned for the CPU architecture. The detailed comparison of RHEL and Solaris is enclosed.	Please refer the modified specifications.
365	HP	105	Chapter 17 Item No. 3	Server Management	Redundant and Hotswap Fan should be asked for better uptime of the servers	Please refer the modified specifications.
366	HP	105	Chapter 17 Item No. 3	Server Management	Remote management port should be asked to have better management capability	As per RFP
367	SPANCO	105	Chapter 17 Item No. 3	Server Management	Redundant and Hotswap Fan should be asked for better uptime of the servers	Please refer the modified specifications.
368	SPANCO	105	Chapter 17 Item No. 3	Server Management	Remote management port should be asked to have better management capability	As per RFP
369	HCL	105	Chapter 17 Item No. 3	Additional	Xeon Servers enabled with Intel® I/O Acceleration Technology moves data more efficiently through for fast, Scaleable, and reliable network performance increase upto 30%. All this, with no extra hardware or software. Request you to add IOAT as network feature.	Please refer the modified specifications.
370	HCL	105	Chapter 17 Item No. 3	Bays MIN. 4 HOT SWAPPABLE BAYS	Scalability of atleast 8 hot swappable bays should be asked for investment protection	As per RFP
371	HP	105	Chapter 17 Item No. 3	Bays MIN. 4 HOT SWAPPABLE BAYS	Scalability of atleast 8 hot swappable bays should be asked for investment protection	As per RFP
372	SPANCO	105	Chapter 17 Item No. 3	Bays MIN. 4 HOT SWAPPABLE BAYS	Scalability of atleast 8 hot swappable bays should be asked for investment protection	As per RFP
373	HP	105	Chapter 17 Item No. 3	Chipset Intel 5000 series	Intel 5000 series entry level chipset is used for workstation. We suggest to define chipset as "Intel 5000P or higher" to ensure enterprise class server chipset	Please refer the modified specifications.
374	SPANCO	105	Chapter 17 Item No. 3	Chipset Intel 5000 series	Intel 5000 series entry level chipset is used for workstation. We suggest to define chipset as "Intel 5000P or higher" to ensure enterprise class server chipset	Please refer the modified specifications.
375	SUN MICRO SYSTEMS	105	Chapter 17 Item No. 3	HDD 2X73GB Hot Swappable SCSI HDD (15K)	73GB SAS / SCSI 15K Remarks- SAS is a newer and better technology.	Please refer the modified specifications.
376	LOCUZ	105	Chapter 17 Item No. 3	HDD - 2X73GB Hot Swappable SCSI HDD (15K)	73GB SAS / SCSI 15K Remarks- SAS is a newer and better technology	Please refer the modified specifications.
377	SUN MICRO SYSTEMS	105	Chapter 17 Item No. 3	Operating System Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent. Edition with cluster suite and OEM Support, updates, patches and errata for the entire contract/project period.	Latest 64 bit Unix as an option Remarks- The system should be certified to run either of the latest 64 bit Unix operating system or Windows Server. The detailed comparison of RHEL and Solaris is enclosed	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
378	LOCUZ	105	Chapter 17 Item No. 3	Operating System - Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent. Edition with cluster suite and OEM Support, updates, patches and errata for the entire contract/project period.	Latest 64 bit Unix as an option Remarks- The system should be certified to run either of the latest 64 bit Unix operating system or Windows Server. The detailed comparison of RHEL and Solaris is enclosed	Please refer the modified specifications.
379	SUN MICRO SYSTEMS	105	Chapter 17 Item No. 3	PCI Slots 4 I/O SLOTS	3 I/O slots Remarks- This is required to enable us to participate. Also we give 4 gigbit Ethernet on board and anyway it saves a slot.	Please refer the modified specifications.
380	LOCUZ	105	Chapter 17 Item No. 3	PCI Slots - 4 I/O SLOTS	3 I/O slots Remarks- This is required to enable us to participate. Also we give 4 gigbit Ethernet on board and anyway it saves a slot.	Please refer the modified specifications.
381	HCL	105	Chapter 17 Item No. 3	PCI Slots 4 I/O SLOTS	PCI express slots are latest generation I/O providing better throughput. Request you to specify "Five PCI e Slots"	Please refer the modified specifications.
382	HP	105	Chapter 17 Item No. 3	PCI Slots 4 I/O SLOTS	PCI express slots are latest generation I/O providing better throughput. Request you to specify "Five PCI e Slots"	Please refer the modified specifications.
383	SPANCO	105	Chapter 17 Item No. 3	PCI Slots 4 I/O SLOTS	PCI express slots are latest generation I/O providing better throughput. Request you to specify "Five PCI e Slots"	Please refer the modified specifications.
384	SUN MICRO SYSTEMS	105	Chapter 17 Item No. 3	Ports - Min. One high speed serial, Min. 4 USB ports	one serial, min. 4 USB	Please refer the modified specifications.
385	LOCUZ	105	Chapter 17 Item No. 3	Ports - Min. One high speed serial, Min. 4 USB ports	one serial, min. 4 USB	Please refer the modified specifications.
386	HP	105	Chapter 17 Item No. 3	RAM 4GB Registered ECC, upgradable to 16GB	Request to have scalability of atleast 32GB to ensure investment protection	As per RFP
387	SPANCO	105	Chapter 17 Item No. 3	RAM 4GB Registered ECC, upgradable to 16GB	Request to have scalability of atleast 32GB to ensure investment protection	As per RFP
388	ACCEL FRONTLINE	105	Chapter 17 Item No. 3	HDD - 2X73GB Hot Swappable SCSI HDD (15K)	73GB SAS / SCSI 15K Remarks- SAS is a newer and better technology	Please refer the modified specifications.
389	ACCEL FRONTLINE	105	Chapter 17 Item No. 3	Operating System - Min. Red Hat Linux AP 5.1/ MS – Windows Server 2008 Ent. Edition with cluster suite and OEM Support, updates, patches and errata for the entire contract/project period.	Latest 64 bit Unix as an option Remarks- The system should be certified to run either of the latest 64 bit Unix operating system or Windows Server. The detailed comparison of RHEL and Solaris is enclosed	Please refer the modified specifications.
390	ACCEL FRONTLINE	105	Chapter 17 Item No. 3	PCI Slots - 4 I/O SLOTS	3 I/O slots Remarks- This is required to enable us to participate. Also we give 4 gigbit Ethernet on board and anyway it saves a slot.	Please refer the modified specifications.
391	ACCEL FRONTLINE	105	Chapter 17 Item No. 3	Ports - Min. One high speed serial, Min. 4 USB ports	one serial, min. 4 USB	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
392	IBILT TECHNOLOGIES LTD.	106	Chapter 17 Item No. 4	SAN Storage	Some of more clarifications on System Storage.. 1. 30TB usable with 146 GB drives is not possible with less than 250 drives taking the scalability to atleast double it should goto atleast 500 drives . By mentioning "scalability to atleast 500 drives and scalability to even more by upgrading the controllers " would take EMC to DMX series. 2. Cache asked for 200 drives is 8GB . when the the No. of disks should be 500 . cache available should also be atleast 16GB. 3. In replication , (row no.32 in the xcel sheet below) . License for Both Synchronous and Asynchronous replication should be asked from day one.	Please refer the modified specifications.
393	CMS	106	Chapter 17 Item No. 4	SAN Storage	The Solution for handling the scanned image and database can be better utilized instead of having large SAN of 30 TB. This SAN of 30 TB is very expensive.	Please refer the modified specifications.
394	IBILT TECHNOLOGIES LTD.	106	Chapter 17 Item No. 4	RAID level RAID Array supporting Raid Levels 0, 1, 0+1, 3, 5 and 6/DP or equivalent. Note: - If any of the above features are not supported by the bidder/OEM, then kindly propose equivalent features, with supporting whitepaper validation documents from third party agencies.	The prosed array should support 0,1,0+1, 3,5 or 4,6/DP to ensure recovery from single and dual disk failure.	Please refer the modified specifications.
395	EMC	106	Chapter 17 Item No. 4	146 GB, FC, 15K RPM, 4 Gbps, Dual Ported Drives	Minimum <u>105 x 300 GB</u> , FC, 15K RPM, 4 Gbps, Dual Ported Drives are required from day one. Reason for Recommendation - Converting 146 GB Disk to 300 GB will help save Disk Slots and Technical Specifications of 300 GB Drives is better than 146 GB Today	Please refer the modified specifications.
396	HCL	106	Chapter 17 Item No. 4	Availability & Required Cache - Cache should be mirrored between Active-Active controllers on dedicated, redundant paths / links between the controllers. In case of power failure, the SAN array must be provided with cache protection mechanism to ensure no loss of data in cache by destaging to disks, irrespective of duration of power outage, or for minimum 72 hrs. The Proposed SAN Array should be configured with at least 8GB cache across dual controllers with dual cache mirror interconnect paths	Request you to increase the Cache from 8 GB to atleast 32 GB Usable which will help to get better performance from the storage array as 8 GB of cache is very less for the desired capacity and scalability and Cache plays very important role in case of Async replications which also demands for increase in Cache. Also as these storage arrays are going to do Async replication , Request you to please look for a feature for Journaling which is used for replications.	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
397	HP	106	Chapter 17 Item No. 4	Availability & Required Cache - Cache should be mirrored between Active-Active controllers on dedicated, redundant paths / links between the controllers. In case of power failure, the SAN array must be provided with cache protection mechanism to ensure no loss of data in cache by destaging to disks, irrespective of duration of power outage, or for minimum 72 hrs. The Proposed SAN Array should be configured with at least 8GB cache across dual controllers with dual cache mirror interconnect paths	Request you to increase the Cache from 8 GB to at least 32 GB Usable which will help to get better performance from the storage array as 8 GB of cache is very less for the desired capacity and scalability and Cache plays very important role in case of Async replications which also demands for increase in Cache. Also as these storage arrays are going to do Async replication , Request you to please look for a feature for Journaling which is used for replications.	As per RFP
398	SPANCO	106	Chapter 17 Item No. 4	Availability & Required Cache - Cache should be mirrored between Active-Active controllers on dedicated, redundant paths / links between the controllers. In case of power failure, the SAN array must be provided with cache protection mechanism to ensure no loss of data in cache by destaging to disks, irrespective of duration of power outage, or for minimum 72 hrs. The Proposed SAN Array should be configured with at least 8GB cache across dual controllers with dual cache mirror interconnect paths	Request you to increase the Cache from 8 GB to at least 32 GB Usable which will help to get better performance from the storage array as 8 GB of cache is very less for the desired capacity and scalability and Cache plays very important role in case of Async replications which also demands for increase in Cache. Also as these storage arrays are going to do Async replication , Request you to please look for a feature for Journaling which is used for replications.	As per RFP
399	SUN MICRO SYSTEMS	106	Chapter 17 Item No. 4	Back end connectivity Change the word from "front end" to "back end"	Back end ports for back end connectivity	Please refer the modified specifications.
400	LOCUZ	106	Chapter 17 Item No. 4	Back end connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity.	Change the word from "front end" to "back end" Remarks- Back end ports for back end connectivity	Please refer the modified specifications.
401	HCL	106	Chapter 17 Item No. 4	Back end port connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity	For the asked capacity of 30 TB usable which works out to approx 45 TB raw . As per the industry best practices 2 TB per port should be provisioned. for 45 TB of raw storage , no of ports work out to 23 ports. In addition we need ports for back up (4 port), and replication (2 ports). This work out to total of 29 ports. Hence would request you to please increase front end ports to at least 32 X 4 Gbps on day one.	Please refer the modified specifications.
402	HCL	106	Chapter 17 Item No. 4	Back end port connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity	Different OEMs offer different architecture , for achieving the IOPS, hence , we request you to modify the clause as follows: SAN Storage should be configured with at least 4 numbers of 2/ 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 8 x 2/4Gbps FC back end ports across Dual controllers) for back-end host connectivity	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
403	HP	106	Chapter 17 Item No. 4	Back end port connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity	For the asked capacity of 30 TB usable which works out to approx 45 TB raw . As per the industry best practices 2 TB per port should be provisioned. for 45 TB of raw storage , no of ports work out to 23 ports. In addition we need ports for back up (4 port), and replication (2 ports). This work out to total of 29 ports. Hence would request you to please increase front end ports to at least 32 X 4 Gbps on day one.	Please refer the modified specifications.
404	HP	106	Chapter 17 Item No. 4	Back end port connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity	Different OEMs offer different architecture , for achieving the IOPS, hence , we request you to modify the clause as follows: SAN Storage should be configured with at least 4 numbers of 2/ 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 8 x 2/4Gbps FC back end ports across Dual controllers) for back-end host connectivity	Please refer the modified specifications.
405	SPANCO	106	Chapter 17 Item No. 4	Back end port connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity	For the asked capacity of 30 TB usable which works out to approx 45 TB raw . As per the industry best practices 2 TB per port should be provisioned. for 45 TB of raw storage , no of ports work out to 23 ports. In addition we need ports for back up (4 port), and replication (2 ports). This work out to total of 29 ports. Hence would request you to please increase front end ports to at least 32 X 4 Gbps on day one.	Please refer the modified specifications.
406	SPANCO	106	Chapter 17 Item No. 4	Back end port connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity	Different OEMs offer different architecture , for achieving the IOPS, hence , we request you to modify the clause as follows: SAN Storage should be configured with at least 4 numbers of 2/ 4Gbps Fiber channel (FC) front (back) end ports per controller (i.e. a total of at least 8 x 2/4Gbps FC back end ports across Dual controllers) for back-end host connectivity	Please refer the modified specifications.
407	EMC	106	Chapter 17 Item No. 4	Back End Connectivity- SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity.	SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) back end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end Disk Shelf connectivity. Reason for Recommendation It is a Type Error in the RFP, hence request to correct the same	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
408	HCL	106	Chapter 17 Item No. 4	Disk Drives - The SAN Array should be able to support a minimum of 220 disks in the array supplied from Day One and should be expandable in future with data in place upgrade. Maximum Expansion to be specified in the Remarks Section. Maximum possible expansion will be part of Technical Evaluation also. The SAN Array should support intermixing of FC & SATA II Disks of various capacities and speeds. The array should also support 4 Gbps & 2 Gbps drives. It should support dual ported FC disks of 73GB (10k or 15K rpm), 146GB (10k or 15K rpm) and 300GB (10k rpm & 15k rpm)	Since the total raw capacity asked for is 45TB approx. With 146 GB HDD this works out total of 300 disks. Hence the figure of 220 should change to minimum of 700 disks keeping in mind scalability for next 5 years. HDD of 73GB is end-of-life hence please remove the same.	Please refer the modified specifications.
409	HP	106	Chapter 17 Item No. 4	Disk Drives - The SAN Array should be able to support a minimum of 220 disks in the array supplied from Day One and should be expandable in future with data in place upgrade. Maximum Expansion to be specified in the Remarks Section. Maximum possible expansion will be part of Technical Evaluation also. The SAN Array should support intermixing of FC & SATA II Disks of various capacities and speeds. The array should also support 4 Gbps & 2 Gbps drives. It should support dual ported FC disks of 73GB (10k or 15K rpm), 146GB (10k or 15K rpm) and 300GB (10k rpm & 15k rpm)	Since the total raw capacity asked for is 45TB approx. With 146 GB HDD this works out total of 300 disks. Hence the figure of 220 should change to minimum of 700 disks keeping in mind scalability for next 5 years. HDD of 73GB is end-of-life hence please remove the same.	Please refer the modified specifications.
410	SPANCO	106	Chapter 17 Item No. 4	Disk Drives - The SAN Array should be able to support a minimum of 220 disks in the array supplied from Day One and should be expandable in future with data in place upgrade. Maximum Expansion to be specified in the Remarks Section. Maximum possible expansion will be part of Technical Evaluation also. The SAN Array should support intermixing of FC & SATA II Disks of various capacities and speeds. The array should also support 4 Gbps & 2 Gbps drives. It should support dual ported FC disks of 73GB (10k or 15K rpm), 146GB (10k or 15K rpm) and 300GB (10k rpm & 15k rpm)	Since the total raw capacity asked for is 45TB approx. With 146 GB HDD this works out total of 300 disks. Hence the figure of 220 should change to minimum of 700 disks keeping in mind scalability for next 5 years. HDD of 73GB is end-of-life hence please remove the same.	Please refer the modified specifications.
411	IBILT TECHNOLOGIES LTD.	106	Chapter 17 Item No. 4	Disk Drives The SAN Array should be able to support a minimum of 220 disks in the array supplied from Day One and should be expandable in future with data in place upgrade. The SAN Array should support intermixing of FC & FATA/SATA-II Disks of various capacities and speeds. It should support dual ported FC disks of 146GB (10k or 15K rpm) , 300GB (10k rpm & 15k rpm) and 400GB (10k rpm & 15k rpm in future).	Asked capacity ie 30TB usable with 146GB drives is not possible with 220 drives . Therefore the SAN array should be scalable to atleast 450 drives considering the future scalability as well.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
412	WIPRO	106	Chapter 17 Item No. 4	Disk Drives The SAN Array should be able to support a minimum of 220 disks in the array supplied from Day One and should be expandable in future with data in place upgrade. The SAN Array should support intermixing of FC & FATA/SATA-II Disks of various capacities and speeds. It should support dual ported FC disks of 146GB (10k or 15K rpm) , 300GB (10k rpm & 15k rpm) and 400GB (10k rpm & 15k rpm in future).	Asked capacity ie 30TB usable with 146GB drives is not possible with 220 drives . Therefore the SAN array should be scalable to atleast 450 drives considering the future scalability as well.	Please refer the modified specifications.
413	IBM	106	Chapter 17 Item No. 4	<u>Disk Drives:</u> The SAN Array should be able to support a minimum of 220 disks in the array supplied from Day One and should be expandable in future with data in place upgrade. The SAN Array should support intermixing of FC & FATA/SATA-II Disks of various capacities and speeds. It should support dual ported FC disks of 146GB (10k or 15K rpm) , 300GB (10k rpm & 15k rpm) and 400GB (10k rpm & 15k rpm in future).	Asked capacity ie 30TB usable with 146GB drives is not possible with 220 drives . Therefore the SAN array should be scalable to atleast 450 drives considering the future scalability as well. 1. 30TB usable with 146 GB drives is not possible with less than 250 drives taking the scalability to atleast double it should goto atleast 500 drives. 2. Cache asked for 200 drives is 8GB . when the the No. of disks should be 500 . cache available should also be atleast 16GB License for Both Synchronous and Asynchronous replication should be asked from day one.	Please refer the modified specifications.
414	SUN MICRO SYSTEMS	106	Chapter 17 Item No. 4	Front end connectivity SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC front end ports across Dual controllers) for front-end host connectivity. In addition the array should have at least 4 numbers of 1Gbps iSCSI front end ports per controller (i.e. a total of at least 8 x 1Gbps iSCSI front end ports across Dual controllers).	Please delete the phrase "In addition the array.....dual controllers" Remarks-This phrase is specific to EMC	Please refer the modified specifications.
415	LOCUZ	106	Chapter 17 Item No. 4	Front end connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC front end ports across Dual controllers) for front-end host connectivity. In addition the array should have at least 4 numbers of 1Gbps iSCSI front end ports per controller (i.e. a total of at least 8 x 1Gbps iSCSI front end ports across Dual controllers).	Please delete the phrase "In addition the array.....dual controllers" Remarks- This phrase is specific to EMC.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
416	HCL	106	Chapter 17 Item No. 4	Front End Port Connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC front end ports across Dual controllers) for front-end host connectivity. In addition the array should have at least 4 numbers of 1Gbps iSCSI front end ports per controller (i.e. a total of at least 8 x 1Gbps iSCSI front end ports across Dual controllers).	For the asked capacity of 30 TB usable which works out to approx 45 TB raw . As per the industry best practices 2 TB per port should be provisioned. for 45 TB of raw storage , no of ports work out to 23 ports. In addition we need ports for back up (4 port), and replication (2 ports). This work out to total of 29 ports. Hence would request you to please increase front end ports to at least 32 X 4 Gbps on day one. Also the iSCSI port is not being utilised in the current solution. Request you to ask for iSCSI support as of now so that iSCSI port can be added at any time and also it will provide better price performance.	Please refer the modified specifications.
417	HP	106	Chapter 17 Item No. 4	Front End Port Connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC front end ports across Dual controllers) for front-end host connectivity. In addition the array should have at least 4 numbers of 1Gbps iSCSI front end ports per controller (i.e. a total of at least 8 x 1Gbps iSCSI front end ports across Dual controllers).	For the asked capacity of 30 TB usable which works out to approx 45 TB raw . As per the industry best practices 2 TB per port should be provisioned. for 45 TB of raw storage , no of ports work out to 23 ports. In addition we need ports for back up (4 port), and replication (2 ports). This work out to total of 29 ports. Hence would request you to please increase front end ports to at least 32 X 4 Gbps on day one. Also the iSCSI port is not being utilised in the current solution. Request you to ask for iSCSI support as of now so that iSCSI port can be added at any time and also it will provide better price performance.	Please refer the modified specifications.
418	SPANCO	106	Chapter 17 Item No. 4	Front End Port Connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC front end ports across Dual controllers) for front-end host connectivity. In addition the array should have at least 4 numbers of 1Gbps iSCSI front end ports per controller (i.e. a total of at least 8 x 1Gbps iSCSI front end ports across Dual controllers).	For the asked capacity of 30 TB usable which works out to approx 45 TB raw . As per the industry best practices 2 TB per port should be provisioned. for 45 TB of raw storage , no of ports work out to 23 ports. In addition we need ports for back up (4 port), and replication (2 ports). This work out to total of 29 ports. Hence would request you to please increase front end ports to at least 32 X 4 Gbps on day one. Also the iSCSI port is not being utilised in the current solution. Request you to ask for iSCSI support as of now so that iSCSI port can be added at any time and also it will provide better price performance.	Please refer the modified specifications.
419	SUN MICRO SYSTEMS	106	Chapter 17 Item No. 4	IOPS	IOPS Increase it to 200000 IOPS to match performance with respect to 8GB cache controller Remarks- All major vendors can offer better performance on the storage box with 8 GB cache controller. In case you ask for lower IOPS(IOPS is critical to the storage box performance) then vendors would quote smaller and low performing boxes.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
420	LOCUZ	106	Chapter 17 Item No. 4	IOPS I/O performance should be greater than or at least equal to 100000 IOPS per pair of controllers.	Increase it to 200000 IOPS to match performance with respect to 8GB cache controller. Remarks- All major vendors can offer better performance on the storage box with 8 GB cache controller. In case you ask for lower IOPS(IOPS is critical to the storage box performance) then vendors would quote smaller and low performing boxes.	Please refer the modified specifications.
421	EMC	106	Chapter 17 Item No. 4	Minimum 30 TB Usable Capacity is required on RAID 5/ RAID DP, inclusive of all necessary required Global hot spares and excluding all RAID 5/ RAID DP Penalties	Minimum 25 TB Usable Capacity is required on RAID 5 / RAID DP, exclusive of all necessary required Global hot spares and excluding all RAID 5/ RAID DP Penalties Reason for Recommendation -Per Year Estimation of Scanned Documents, Database Size and considering 5 Yrs. expansion plan for future, will not result more than 25 TB. Hence the request for recommended change	Please refer the modified specifications.
422	WIPRO	106	Chapter 17 Item No. 4	RAID level RAID Array supporting Raid Levels 0, 1, 0+1, 3, 5 and 6/DP or equivalent. Note: - If any of the above features are not supported by the bidder/OEM, then kindly propose equivalent features, with supporting whitepaper validation documents from third party agencies.	The proposed array should support 0,1,0+1, 3,5 or 4,6/DP to ensure recovery from single and dual disk failure.	Please refer the modified specifications.
423	HCL	106	Chapter 17 Item No. 4	RAID level - RAID Array supporting Raid Levels 0, 1, 0+1, 3, 5 and 6/DP or equivalent. Note: - If any of the above features are not supported by the bidder/OEM, then kindly propose equivalent features, with supporting whitepaper validation documents from third party agencies.	RAID level 3 is not widely used in Industry and as you have already asked for RAID 5, hence there is no need for RAID 3. Also RAID 6 will add addition overhead on the controller. RAID 6 has to calculate 2 parity bits for each I/O & requires more raw space for same usable space requirement. Hence Request you to remove RAID 3 and 6 in this clause.	Please refer the modified specifications.
424	HP	106	Chapter 17 Item No. 4	RAID level - RAID Array supporting Raid Levels 0, 1, 0+1, 3, 5 and 6/DP or equivalent. Note: - If any of the above features are not supported by the bidder/OEM, then kindly propose equivalent features, with supporting whitepaper validation documents from third party agencies.	RAID level 3 is not widely used in Industry and as you have already asked for RAID 5, hence there is no need for RAID 3. Also RAID 6 will add addition overhead on the controller. RAID 6 has to calculate 2 parity bits for each I/O & requires more raw space for same usable space requirement. Hence Request you to remove RAID 3 and 6 in this clause.	Please refer the modified specifications.
425	IBILT TECHNOLOGIES LTD.	106	Chapter 17 Item No. 4	RAID Level Mixing It should support a mix and match of RAID levels (including RAID 0, 1, 1/0, 3, 5 & 6) within the same array serviced by a pair of controllers. If any of the above features are not supported by the bidder/OEM, then kindly propose equivalent features, with supporting whitepaper validation documents from third party agencies	Should support RAID technology, Single Parity and Dual Parity. It should support a mix and match of RAID levels behind a pair of controllers.	Please refer the modified specifications.
426	SUN MICRO SYSTEMS	106	Chapter 17 Item No. 4	Reliability Please delete the phrase "call home notification"	This phrase is specific to EMC.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
427	HCL	106	Chapter 17 Item No. 4	Reliability - The Proposed SAN Array should be configured with No Single Point of Failure Architecture with Dual Controllers for redundancy and should support hot plug and hot swap of components online (including controllers, disks, power supplies, cooling fans etc.).Should have continuous system monitoring, SNMP Notification, call home notification and advanced remote diagnostics.	Call home feature is specific to one vendor and may cause security issues as the port is open Request you to please add to this clause - Should have continuous system monitoring and shall support remote diagnostics / error reporting / Call home feature.	Please refer the modified specifications.
428	HP	106	Chapter 17 Item No. 4	Reliability - The Proposed SAN Array should be configured with No Single Point of Failure Architecture with Dual Controllers for redundancy and should support hot plug and hot swap of components online (including controllers, disks, power supplies, cooling fans etc.).Should have continuous system monitoring, SNMP Notification, call home notification and advanced remote diagnostics.	Call home feature is specific to one vendor and may cause security issues as the port is open Request you to please add to this clause - Should have continuous system monitoring and shall support remote diagnostics / error reporting / Call home feature.	Please refer the modified specifications.
429	SPANCO	106	Chapter 17 Item No. 4	Reliability - The Proposed SAN Array should be configured with No Single Point of Failure Architecture with Dual Controllers for redundancy and should support hot plug and hot swap of components online (including controllers, disks, power supplies, cooling fans etc.).Should have continuous system monitoring, SNMP Notification, call home notification and advanced remote diagnostics.	Call home feature is specific to one vendor and may cause security issues as the port is open Request you to please add to this clause - Should have continuous system monitoring and shall support remote diagnostics / error reporting / Call home feature.	Please refer the modified specifications.
430	LOCUZ	106	Chapter 17 Item No. 4	Reliability- The Proposed SAN Array should be configured with No Single Point of Failure Architecture with Dual Controllers for redundancy and should support hot plug and hot swap of components online (including controllers, disks, power supplies, cooling fans etc.).Should have continuous system monitoring, SNMP Notification, call home notification and advanced remote diagnostics.	Please delete the phrase "call home notification" Remarks- This phrase is specific to EMC.	Please refer the modified specifications.
431	EMC	106	Chapter 17 Item No. 4	Required Disk space-The Proposed SAN Array should be configured with minimum : 146 GB, FC, 15K RPM, 4 Gbps, Dual Ported Drives Minimum 30 TB Usable Capacity is required on RAID 5/ RAID DP, inclusive of all necessary required Global hot spares and excluding all RAID 5/ RAID DP Penalties	The Proposed SAN Array should be configured with minimum : Minimum 105 x 300 GB, FC, 15K RPM, 4 Gbps, Dual Ported Drives are required from day one Minimum 25 TB Usable Capacity is required on RAID 5 / RAID DP, exclusive of all necessary required Global hot spares and excluding all RAID 5/ RAID DP Penalties	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
432	SPANCO	106	Chapter 17 Item No. 4	SAN (Storage Area Network) RAID level - RAID Array supporting Raid Levels 0, 1, 0+1, 3, 5 and 6/DP or equivalent. Note: - If any of the above features are not supported by the bidder/OEM, then kindly propose equivalent features, with supporting whitepaper validation documents from third party agencies.	RAID level 3 is not widely used in Industry and as you have already asked for RAID 5, hence there is no need for RAID 3. Also RAID 6 will add addition overhead on the controller. RAID 6 has to calculate 2 parity bits for each I/O & requires more raw space for same usable space requirement. Hence Request you to remove RAID 3 and 6 in this clause.	Please refer the modified specifications.
433	IBM	106	Chapter 17 Item No. 4	SAN: RAID Array supporting Raid Levels 0, 1, 0+1, 3, 5 and 6/DP or equivalent. Note: - If any of the above features are not supported by the bidder/OEM, then kindly propose equivalent features, with supporting whitepaper validation documents from third party agencies.	The proposed array should support 0,1,0+1, 3,5 or 4,6/DP to ensure recovery from single and dual disk failure.	As per RFP
434	IBILT TECHNOLOGIES LTD.	106	Chapter 17 Item No. 4	Sparing Should have a pool of Global Hot Spare disks for the entire array, so that if a disk fails anywhere in the array, global hot spares can be invoked from the pool to reduce the risk of data loss.	Should have a hot spare configured for every 40 disks configured so that for any disk failure in those 40 hot spare can be invoked.	As per RFP
435	TULIP	106	Chapter 17 Item No. 4	Storage Area Network	30TB usable with 146 GB drives is not possible with less than 250 drives taking the scalability to atleast double it should go to atleast 500 drives . By mentioning "scalability to atleast 500 drives and scalability to even more by upgrading the controllers " would take EMC to DMX series. 2. Cache asked for 200 drives is 8GB . when the the No. of disks should be 500 . cache available should also be atleast 16GB 3. In replication , (row no.32 in the xcel sheet below) . License for Both Synchronous and Asynchronous replication should be asked from day one.	Please refer the modified specifications.
436	ACCEL FRONTLINE	106	Chapter 17 Item No. 4	Back end connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC back end ports across Dual controllers) for back-end host connectivity.	Change the word from "front end" to "back end" Remarks- Back end ports for back end connectivity	Please refer the modified specifications.
437	ACCEL FRONTLINE	106	Chapter 17 Item No. 4	Front end connectivity - SAN Storage should be configured with at least 2 numbers of 4Gbps Fiber channel (FC) front end ports per controller (i.e. a total of at least 4 x 4Gbps FC front end ports across Dual controllers) for front-end host connectivity. In addition the array should have at least 4 numbers of 1Gbps iSCSI front end ports per controller (i.e. a total of at least 8 x 1Gbps iSCSI front end ports across Dual controllers).	Please delete the phrase "In addition the array.....dual controllers" Remarks- This phrase is specific to EMC.	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
438	ACCEL FRONTLINE	106	Chapter 17 Item No. 4	IOPS I/O performance should be greater than or at least equal to 100000 IOPS per pair of controllers.	Increase it to 200000 IOPS to match performance with respect to 8GB cache controller. Remarks- All major vendors can offer better performance on the storage box with 8 GB cache controller. In case you ask for lower IOPS(IOPS is critical to the storage box performance) then vendors would quote smaller and low performing boxes.	Please refer the modified specifications.
439	ACCEL FRONTLINE	106	Chapter 17 Item No. 4	Reliability- The Proposed SAN Array should be configured with No Single Point of Failure Architecture with Dual Controllers for redundancy and should support hot plug and hot swap of components online (including controllers, disks, power supplies, cooling fans etc.).Should have continuous system monitoring, SNMP Notification, call home notification and advanced remote diagnostics.	Please delete the phrase "call home notification" Remarks- This phrase is specific to EMC.	Please refer the modified specifications.
440	CISCO	107	Chapter 17 Item No. 4	SAN Switches	Do you have any existing SAN switch which you intend to use in the setup	No
441	CMS	107	Chapter 17 Item No. 4	SAN Switches	Do you have any existing SAN switch which you intend to use in the setup	No
442	CMS	107	Chapter 17 Item No. 4	SAN Switches	Please confirm whether SAN switches for DR needs to be quoted or its is optional.	No DR Site is required
443	EMC	107	Chapter 17 Item No. 4	The Storage Array should be provided along with 2 nos. of rack-mounted FC SAN Switches, with 4Gbps Ports, each Switch with minimum of 16 active ports per switch expandable to 24 Ports per switch, with requisite 10 Mtr. Cables & Accessories.	The Storage Array should be provided along with 2 nos. of rack-mounted FC SAN Switches, with 4Gbps Ports, each Switch with minimum of 16 active ports per switch expandable to 32 Ports per switch, with requisite 10 Mtr. Cables & Accessories. Reason for Recommendation - Expansion Capability of 32 FC Ports per Switch, will help in having additional room for any addition of Servers to the SAN Storage Array in next 5 Years	Please refer the modified specifications.
444	IBILT TECHNOLOGIES LTD.	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements DR site to have an identical system with required replication software (Asynchronous) and FC-IP Routers in pair or Routing Capabilities at each site. The storage-based asynchronous replication software as well as FC-IP Routers must also be quoted optionally for future reference. The software must be able to address the entire supported capacity of the SAN array/frame. The SAN Array should support SAN array based 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. The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	DR site to have an identical system as per all the specification mentioned along with required replication software and FC-IP Routing capability in the base Array or External FCIP routers in pairs to provide Asynchronous Replication at each site for all the type of volumes and protocols within the storage array.	No DR Site is required. Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
445	HCL	107	Chapter 17 Item No. 4	Firmware - Should be firmware upgradeable for functionality improvement and enhancements. The array should support nondisruptive upgrades .	Since the firmware upgarde happens on both controller as well as Disk drives it should be clearly mentioned in this clause that the firmware upgarde should be non-disruptive for both controller as well as disk drives to ensure non-disruptive operations.	As per RFP
446	HP	107	Chapter 17 Item No. 4	Firmware - Should be firmware upgradeable for functionality improvement and enhancements. The array should support nondisruptive upgrades .	Since the firmware upgarde happens on both controller as well as Disk drives it should be clearly mentioned in this clause that the firmware upgarde should be non-disruptive for both controller as well as disk drives to ensure non-disruptive operations.	As per RFP
447	SPANCO	107	Chapter 17 Item No. 4	Firmware - Should be firmware upgradeable for functionality improvement and enhancements. The array should support nondisruptive upgrades .	Since the firmware upgarde happens on both controller as well as Disk drives it should be clearly mentioned in this clause that the firmware upgarde should be non-disruptive for both controller as well as disk drives to ensure non-disruptive operations.	As per RFP
448	HCL	107	Chapter 17 Item No. 4	IOPS - I/O performance should be > 1,00,000 IOPS per pair of controllers	100000 IOPS asked are very very less for the desired configuration , Request you to change this to Offered Storage array shall have minimum IOPS rating of 350000 from cache . Storage array shall have aggregate scalable data bandwidth of 68GB/sec or more	Please refer the modified specifications.
449	HP	107	Chapter 17 Item No. 4	IOPS - I/O performance should be > 1,00,000 IOPS per pair of controllers	100000 IOPS asked are very very less for the desired configuration , Request you to change this to Offered Storage array shall have minimum IOPS rating of 350000 from cache . Storage array shall have aggregate scalable data bandwidth of 68GB/sec or more	Please refer the modified specifications.
450	SPANCO	107	Chapter 17 Item No. 4	IOPS - I/O performance should be > 1,00,000 IOPS per pair of controllers	100000 IOPS asked are very very less for the desired configuration , Request you to change this to Offered Storage array shall have minimum IOPS rating of 350000 from cache . Storage array shall have aggregate scalable data bandwidth of 68GB/sec or more	Please refer the modified specifications.
451	WIPRO	107	Chapter 17 Item No. 4	RAID Level Mixing It should support a mix and match of RAID levels (including RAID 0, 1, 1/0, 3, 5 & 6) within the same array serviced by a pair of controllers. If any of the above features are not supported by the bidder/OEM, then kindly propose equivalent features, with supporting whitepaper validation documents from third party agencies	Should support RAID technology, Single Parity and Dual Parity. It should support a mix and match of RAID levels behind a pair of controllers.	As per RFP
452	SPANCO	107	Chapter 17 Item No. 4	SAN Switches	Do you have any existing SAN switch which you intend to use in the setup	No
453	SPANCO	107	Chapter 17 Item No. 4	SAN Switches	Please confirm whether SAN switches for DR needs to be quoted or its is optional.	No DR Site is required
454	WIPRO	107	Chapter 17 Item No. 4	SAN Switches	Do you have any existing SAN switch which you intend to use in the setup	No

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
455	WIPRO	107	Chapter 17 Item No. 4	SAN Switches	Please confirm whether SAN switches for DR needs to be quoted or its is optional.	No DR Site is required
456	HCL	107	Chapter 17 Item No. 4	SAN Switches - The Storage Array should be provided along with 2 nos. of rack-mounted FC SAN Switches, with 4Gbps Ports, each Switch with minimum of 16 active ports per switch expandable to 24 Ports per switch, with requisite 10 Mtr. Cables & Accessories	Since the storage box hosts 32 port (please see point nos. 3 above), the San switch should have 32 port or more upgardable to 64 ports or more to accommodate servers, tape library and storage.	Please refer the modified specifications.
457	HP	107	Chapter 17 Item No. 4	SAN Switches - The Storage Array should be provided along with 2 nos. of rack-mounted FC SAN Switches, with 4Gbps Ports, each Switch with minimum of 16 active ports per switch expandable to 24 Ports per switch, with requisite 10 Mtr. Cables & Accessories	Since the storage box hosts 32 port (please see point nos. 3 above), the San switch should have 32 port or more upgardable to 64 ports or more to accommodate servers, tape library and storage.	Please refer the modified specifications.
458	SPANCO	107	Chapter 17 Item No. 4	SAN Switches - The Storage Array should be provided along with 2 nos. of rack-mounted FC SAN Switches, with 4Gbps Ports, each Switch with minimum of 16 active ports per switch expandable to 24 Ports per switch, with requisite 10 Mtr. Cables & Accessories	Since the storage box hosts 32 port (please see point nos. 3 above), the San switch should have 32 port or more upgardable to 64 ports or more to accommodate servers, tape library and storage.	Please refer the modified specifications.
459	WIPRO	107	Chapter 17 Item No. 4	SAN Switches The Storage Array should be provided along with 2 nos. of rack-mounted FC SAN Switches, with 4Gbps Ports, each Switch with minimum of 16 active ports per switch expandable to 24 Ports per switch, with requisite 10 Mtr. Cables & Accessories. The switch must be able to support port aggregation up to 16 physical Fibre Channel ports to provide aggregated links	Supported. Same specs at DR site?	No DR Site is required
460	SPANCO	107	Chapter 17 Item No. 4	Should have capability to support advanced software functionality to create instantaneous point in time copies and capability for remote copy services for disaster recovery (for storage-based remote replication – both synchronously as well as asynchronously).	Clarification : please confirm is there any plan for Disaster recovery.	No DR Site is required
461	HP	107	Chapter 17 Item No. 4	Snapshots/ Full Copies - The array should support array-based functionality for pointer based snapshot copies (which require a fraction of the space) as well as full physical copies. The Software for these copies should be licensed for the entire supported capacity of the SAN Array / Frame from day one .	Since DOIT in the present RFP is asking for 30TB of usable storage and snapshot is created in the same disk array, it should ask for snapshot/fullcopy license for required capacity not the full array, with the current capacity it should not be more than 10TB. Since these boxes have very large storage capacity (to the tune of Peta bytes) procuring these licenses upfront is not recommended. However for future expansion purposes DOIT may ask for adll per TB cost of the license.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
462	SPANCO	107	Chapter 17 Item No. 4	Snapshots/ Full Copies - The array should support array-based functionality for pointer based snapshot copies (which require a fraction of the space) as well as full physical copies. The Software for these copies should be licensed for the entire supported capacity of the SAN Array / Frame from day one .	Since DOIT in the present RFP is asking for 30TB of usable storage and snapshot is created in the same disk array, it should ask for snapshot/fullcopy license for required capacity not the full array, with the current capacity it should not be more than 10TB. Since these boxes have very large storage capacity (to the tune of Peta bytes) procuring these licenses upfront is not recommended. However for future expansion purposes DOIT may ask for adll per TB cost of the license.	Please refer the modified specifications.
463	HCL	107	Chapter 17 Item No. 4	Snapshots/ Full Copies - The array should support array-based functionality for pointer based snapshot copies (which require a fraction of the space) as well as full physical copies. The Software for these copies should be licensed for the entire supported capacity of the SAN Array / Frame from day one.	Since DOIT in the present RFP is asking for 30TB of usable storage and snapshot is created in the same disk array, it should ask for snapshot/fullcopy license for required capacity not the full array, with the current capacity it should not be more than 10TB. Since these boxes have very large storage capacity (to the tune of Peta bytes) procuring these licenses upfront is not recommended. However for future expansion purposes DOIT may ask for adll per TB cost of the license.	Please refer the modified specifications.
464	WIPRO	107	Chapter 17 Item No. 4	Sparing Should have a pool of Global Hot Spare disks for the entire array, so that if a disk fails anywhere in the array, global hot spares can be invoked from the pool to reduce the risk of data loss.	Should have a hot spare configured for every 40 disks configured so that for any disk failure in those 40 hot spare can be invoked.	As per RFP
465	IBM	107	Chapter 17 Item No. 4	<u>Sparing</u> : Should have a pool of Global Hot Spare disks for the entire array, so that if a disk fails anywhere in the array, global hot spares can be invoked from the pool to reduce the risk of data loss.	Should have a hot spare configured for every 40 disks configured so that for any disk failure in those 40 hot spare can be invoked.	As per RFP
466	EMC	107	Chapter 17 Item No. 4	Switch must be capable of creating hardware-based isolated environments with a single physical SAN fabric or switch. Each such isolated environment or Virtual SAN/fabric within the switch should be capable of being zoned as a typical SAN and should be able to maintain its own fabric services, its independent Zoning database, Name Servers and FSPF processes etc. Switch must support Fibre Channel trace route and Fibre Channel Ping for ease of troubleshooting and fault isolation. In addition, the switch must also support the diagnostics like Power-on-self-test (POST), Online diagnostics, Internal loopbacks, SPAN, FC Debug, Syslog, Online system health etc.	Proprietary Features of Cisco MDS-9124 & 9134 Series FC SAN Switches Reason for Recommendation -Request to re-consider these Proprietary Features and remove these Specifications to have healthy competition from other Vendors like Brocade	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
467	EMC	107	Chapter 17 Item No. 4	Switch must support Radius/Tacacs+ authentication when managing from GUI, console or telnet to prevent unauthorized access	Proprietary Features of Cisco MDS-9124 & 9134 Series FC SAN Switches. Request to re-consider these Proprietary Features and remove these Specifications to have healthy competition from other Vendors like Brocade	Please refer the modified specifications.
468	EMC	107	Chapter 17 Item No. 4	The management software must be able to perform Fabric View Summary View Physical View Configuration Monitoring and Alerts Network Diagnostics	Proprietary Features of Cisco MDS-9124 & 9134 Series FC SAN Switches. Request to re-consider these Proprietary Features and remove these Specifications to have healthy competition from other Vendors like Brocade	Please refer the modified specifications.
469	IBILT TECHNOLOGIES LTD.	107	Chapter 17 Item No. 4	SAN Switches The Storage Array should be provided along with 2 nos. of rack-mounted FC SAN Switches, with 4Gbps Ports, each Switch with minimum of 16 active ports per switch expandable to 24 Ports per switch, with requisite 10 Mtr. Cables & Accessories. The switch must be able to support port aggregation up to 16 physical Fibre Channel ports to provide aggregated links	Supported. Same specs at DR site?	No DR Site is required
470	EMC	107	Chapter 17 Item No. 4	The switch must be able to support port aggregation up to 16 physical Fibre Channel ports to provide aggregated links.	Proprietary Features of Cisco MDS-9124 & 9134 Series FC SAN Switches. Reason for Recommendation - Request to re-consider these Proprietary Features and remove these Specifications to have healthy competition from other Vendors like Brocade	Please refer the modified specifications.
471	EMC	107	Chapter 17 Item No. 4	The switch must support Secure Shell (SSH) encryption to provide additional security for Telnet sessions to the switch.	Proprietary Features of Cisco MDS-9124 & 9134 Series FC SAN Switches. Request to re-consider these Proprietary Features and remove these Specifications to have healthy competition from other Vendors like Brocade	Please refer the modified specifications.
472	EMC	107	Chapter 17 Item No. 4	The switch must support SNMPv3.	Proprietary Features of Cisco MDS-9124 & 9134 Series FC SAN Switches. Request to re-consider these Proprietary Features and remove these Specifications to have healthy competition from other Vendors like Brocade	Please refer the modified specifications.
473	CISCO	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements	Please confirm whether FC-IP functionality is required at both DC and DR.	No DR Site is required. Please refer the modified specifications.
474	CISCO	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements	We suggest you to go for multi-protocol SAN Switch which support FC-IP functionality from day as having it later through separate FC-IP Router will increase the cost of solution	No DR Site is required. Please refer the modified specifications.
475	CMS	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements	Please confirm whether FC-IP functionality is required at both DC and DR.	No DR Site is required. Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
476	CMS	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements	We suggest you to go for multi-protocol SAN Switch which support FC-IP functionality from day as having it later through separate FC-IP Router will increase the cost of solution	No DR Site is required. Please refer the modified specifications.
477	SPANCO	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements	Please confirm whether FC-IP functionality is required at both DC and DR.	No DR Site is required. Please refer the modified specifications.
478	SPANCO	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements	We suggest you to go for multi-protocol SAN Switch which support FC-IP functionality from day as having it later through separate FC-IP Router will increase the cost of solution	No DR Site is required. Please refer the modified specifications.
479	WIPRO	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements	Please confirm whether FC-IP functionality is required at both DC and DR.	No DR Site is required. Please refer the modified specifications.
480	WIPRO	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements	We suggest you to go for multi-protocol SAN Switch which support FC-IP functionality from day as having it later through separate FC-IP Router will increase the cost of solution	No DR Site is required. Please refer the modified specifications.
481	WIPRO	107	Chapter 17 Item No. 4	Disaster Recovery Site Requirements DR site to have an identical system with required replication software (Asynchronous) and FC-IP Routers in pair or Routing Capabilities at each site. The storage-based asynchronous replication software as well as FC-IP Routers must also be quoted optionally for future reference. The software must be able to address the entire supported capacity of the SAN array/frame. The SAN Array should support SAN array based 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. The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	DR site to have an identical system as per all the specification mentioned along with required replication software and FC-IP Routing capability in the base Array or External FCIP routers in pairs to provide Asynchronous Replication at each site for all the type of volumes and protocols within the storage array.	No DR Site is required. Please refer the modified specifications.
482	IBM	107	Chapter 17 Item No. 4	<u>Disaster Recovery Site Requirements</u> ; DR site to have an identical system with required replication software (Asynchronous) and FC-IP Routers in pair or Routing Capabilities at each site. The storage-based asynchronous replication software as well as FC-IP Routers must also be quoted optionally for future reference. The software must be able to address the entire supported capacity of the SAN array/frame. The SAN Array should support SAN array based 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. The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	DR site to have an identical system as per all the specification mentioned along with required replication software and FC-IP Routing capability in the base Array or External FCIP routers in pairs to provide Asynchronous Replication at each site for all the type of volumes and protocols within the storage array.	No DR Site is required. Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
483	HCL	107	Chapter 17 Item No. 4	SAN Switches Disaster Recovery Site Requirements - DR site to have an identical system with required replication software (Asynchronous) and FC-IP Routers in pair at each site. The storage-based asynchronous replication software as well as FC-IP Routers must also be quoted optionally for future reference. The software must be able to address the entire supported capacity of the SAN array/frame. The SAN Array should support SAN array based 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. The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	Please clarify on the location and requirements of a DR site. This requirement is ambiguous in the tender. Further if there is a DR site requirement then we wish to state that in asynchronous as well as synchronous replication it is important that in case if the link goes down at the time of replication, the system should be able to reinitiate the replication process from the point where it was disrupted. For this feature to be in place the offered DR solution should have sequencing technology for every packet being transmitted. Hence the clause should include The replication should support sequencing technology for every packet being transmitted to ensure data consistency. Also we will request you to please remove the following clause since this is vendor specific - The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	No DR Site is required. Please refer the modified specifications.
484	HP	107	Chapter 17 Item No. 4	SAN Switches Disaster Recovery Site Requirements - DR site to have an identical system with required replication software (Asynchronous) and FC-IP Routers in pair at each site. The storage-based asynchronous replication software as well as FC-IP Routers must also be quoted optionally for future reference. The software must be able to address the entire supported capacity of the SAN array/frame. The SAN Array should support SAN array based 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. The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	In asynchronous as well as synchronous replication it is important that in case if the link goes down at the time of replication, the system should be able to reinitiate the replication process from the point where it was disrupted. For this feature to be in place the offered DR solution should have sequencing technology for every packet being transmitted. Hence the clause should include The replication should support sequencing technology for every packet being transmitted to ensure data consistency. Also we will request you to please remove the following clause since this is vendor specific - The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	No DR Site is required. Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
485	SPANCO	107	Chapter 17 Item No. 4	SAN Switches/Disaster Recovery Site Requirements - DR site to have an identical system with required replication software (Asynchronous) and FC-IP Routers in pair at each site. The storage-based asynchronous replication software as well as FC-IP Routers must also be quoted optionally for future reference. The software must be able to address the entire supported capacity of the SAN array/frame. The SAN Array should support SAN array based 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. The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	In asynchronous as well as synchronous replication it is important that in case if the link goes down at the time of replication, the system should be able to reinitiate the replication process from the point where it was disrupted. For this feature to be in place the offered DR solution should have sequencing technology for every packet being transmitted. Hence the clause should include The replication should support sequencing technology for every packet being transmitted to ensure data consistency. Also we will request you to please remove the following clause since this is vendor specific - The SAN Array should also support for iSCSI Replication for iSCSI LUNS without FC-IP Routers	No DR Site is required. Please refer the modified specifications.
486	SPANCO	108	Chapter 17 Item No. 5	FC Tape Library & Backup Software Tape library driver/slots - The Tape library should support 2 and expandable to 4 Ultrium Generation 4 drives with 30 slots upgradeable to 70 Slots .	Since the total usable capacity asked is 30TB and as an industry best practice one should have atleast 2 full copies of the back up. This would translate to 60 TB backup plus incremental backup. One LTO 4 cartridge has a capacity of 800 GB, this works out to 75 slots. Hence we recommend that the tape library should have minimum 95 slots	Please refer the modified specifications.
487	HCL	108	Chapter 17 Item No. 5	Data Co-location	Please remove this as its vendor specific.	Please refer the modified specifications.
488	HP	108	Chapter 17 Item No. 5	Data Co-location	Please remove this as its vendor specific.	Please refer the modified specifications.
489	SPANCO	108	Chapter 17 Item No. 5	Data Co-location	Please remove this as its vendor specific.	Please refer the modified specifications.
490	HCL	108	Chapter 17 Item No. 5	Backup Software (Features) - Storage Hierarchy	Please remove this as its vendor specific.	Please refer the modified specifications.
491	HP	108	Chapter 17 Item No. 5	Backup Software (Features) - Storage Hierarchy	Please remove this as its vendor specific.	Please refer the modified specifications.
492	SPANCO	108	Chapter 17 Item No. 5	Backup Software (Features) - Storage Hierarchy	Please remove this as its vendor specific.	Please refer the modified specifications.
493	HCL	108	Chapter 17 Item No. 5	Licensing - Bidder should provide licenses for SAN backup for 30 slots and for 2 drives for initial capacity. License should include online agents for supplied database and application servers.	Bidder shall provide license for all 95 slots for all the 4 drives on day one.	Please refer the modified specifications.
494	HP	108	Chapter 17 Item No. 5	Licensing - Bidder should provide licenses for SAN backup for 30 slots and for 2 drives for initial capacity. License should include online agents for supplied database and application servers.	Bidder shall provide license for all 95 slots for all the 4 drives on day one.	Please refer the modified specifications.
495	SPANCO	108	Chapter 17 Item No. 5	Licensing - Bidder should provide licenses for SAN backup for 30 slots and for 2 drives for initial capacity. License should include online agents for supplied database and application servers.	Bidder shall provide license for all 95 slots for all the 4 drives on day one.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
496	HCL	108	Chapter 17 Item No. 5	FC Tape Library & Backup Software Tape library driver/slots - The Tape library should support 2 and expandable to 4 Ultrium Generation 4 drives with 30 slots upgradeable to 70 Slots .	Since the total usable capacity asked is 30TB and as an industry best practice one should have atleast 2 full copies of the back up. This would translate to 60 TB backup plus incremental backup. One LTO 4 cartridge has a capacity of 800 GB, this works out to 75 slots. Hence we recommend that the tape library should have minimum 95 slots	Please refer the modified specifications.
497	HP	108	Chapter 17 Item No. 5	FC Tape Library & Backup Software Tape library driver/slots - The Tape library should support 2 and expandable to 4 Ultrium Generation 4 drives with 30 slots upgradeable to 70 Slots .	Since the total usable capacity asked is 30TB and as an industry best practice one should have atleast 2 full copies of the back up. This would translate to 60 TB backup plus incremental backup. One LTO 4 cartridge has a capacity of 800 GB, this works out to 75 slots. Hence we recommend that the tape library should have minimum 95 slots	Please refer the modified specifications.
498	SUN MICRO SYSTEMS	108	Chapter 17 Item No. 5	FC Tape Library & Backup Software Tape library driver/slots - The Tape library should support 2 and expandable to 4 Ultrium Generation 4 drives with 30 slots upgradeable to 70 Slots .	Tape library driver/slots The tape library should support 2 expandable to 4 Ultrium 4 drives with 50 slots upgradable to at least 150 or more slots.	Please refer the modified specifications.
499	LOCUZ	108	Chapter 17 Item No. 5	FC Tape Library & Backup Software Tape library driver/slots - The Tape library should support 2 and expandable to 4 Ultrium Generation 4 drives with 30 slots upgradeable to 70 Slots .	The tape library should support 2 expandable to 4 Ultrium 4 drives with 50 slots upgradable to at least 150 or more slots. Remarks- To backup 30TB of data would require min 40 slots. Additional slots will be required to maintain additional copies of backup	Please refer the modified specifications.
500	ACCEL FRONTLINE	108	Chapter 17 Item No. 5	FC Tape Library & Backup Software Tape library driver/slots - The Tape library should support 2 and expandable to 4 Ultrium Generation 4 drives with 30 slots upgradeable to 70 Slots .	The tape library should support 2 expandable to 4 Ultrium 4 drives with 50 slots upgradable to at least 150 or more slots. Remarks- To backup 30TB of data would require min 40 slots. Additional slots will be required to maintain additional copies of backup	Please refer the modified specifications.
501	SPANCO	111	Chapter 17 Item No. 7	Desktop Computer	The Desktop System should include Microsoft office Indic Standard 2007 for Desktops at SRO, DIG/ADM Office, HQ	As per RFP
502	HCL	111	Chapter 17 Item No. 7	17" Color SVGA Non -Interlaced Monitor	We request you to ask TCO'03 Certification for Monitor.	Please refer the modified specifications.
503	HCL	111	Chapter 17 Item No. 7	Additional - Same have been asked in various tender of DOIT&C , RajCOMP and other departments also.	We request you to add security feature in desktop to increase uptime and reduces unnecessary call of support engineers : System Protection Tool to significantly increase the up time. Machine should be up in almost less than a minute in most of the situations some of which are mentioned below: - Accidental File Deletion - Format of any partition of HDD - Corruption of Registry Files, Link Files - Un install of software & applications	As per RFP
504	HCL	111	Chapter 17 Item No. 7	Chipset Intel G31 Chipset on OEM Motherboard	Request you to change it as Intel G Series Chipset with 4 DIMM slots on OEM Motherboard	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
505	AMD	111	Chapter 17 Item No. 7	Desktop Computer	Please include AMD Athlon X2 4800+ (2.5 GHz, 1MB total Dedicated L2 Cache and 2000 MHz Hyper Transport Bus). Chipset: AMD 780G/790 or NVIDIA 6 Series.	Please refer the modified specifications.
506	TRIMAX	111	Chapter 17 Item No. 7	Desktop Computer	The Desktop System should include Microsoft office Indic Standard 2007 for Desktops at SRO, DIG/ADM Office, HQ	As per RFP
507	WIPRO	111	Chapter 17 Item No. 7	Intel Core2 Duo, 2.33GHz Or Higher, 4MB L2 Cache	We suggest to include AMD Athlon X2 4800+ (2.5 GHz, 1MB total Dedicated L2 Cache and 2000 MHz Hyper Transport Bus).	Please refer the modified specifications.
508	WIPRO	111	Chapter 17 Item No. 7	Intel G31 Chipset on OEM Motherboard	We suggest to include Chipset: AMD 780 G/AMD 790 or NVIDIA 6 Series	Please refer the modified specifications.
509	HCL	111	Chapter 17 Item No. 7	MS-Windows XP Professional (SP2) with License and Media (With Recovery CD)	As per Microsoft policy now from July 1st onwards all Microsoft Windows XP flavors are end of life. We request you to kindly change OS as MS – Windows Vista Business	Please refer the modified specifications.
510	TRIMAX	111	Chapter 17 Item No. 8	Laser Printer – Processor 400 MHz is of specific HP Make	Kindly amend by 300 MHz or higher	As per RFP
511	Brother International (India) Pvt. Ltd.	111	Chapter 17 Item No. 8	Processor – 400 MHz or higher	Processor – 266 MHz	As per RFP
512	TRIMAX	112	Chapter 17 Item No. 11	Scanner – Optical Resolution 2400x2400 dpi is of specific HP Make	Kindly amend by 2400x1200 dpi	As per RFP
513	HP	112	Chapter 17 Item No. 9	Memory : 8 MB or higher	Memory : 2 MB Memory Remark -As we understand that these printers are put it as a desktop laser printer hence it is good to have a processor speed like 250 MHz which has been asked by you. Also, HP do not have model with 8 MB memory in Desktop/stand alone laser segment, as we strongly feel that 2 MB memory is more than enough to be put it on Desktop/Stand alone laser printer. Also, if 8 MB memory comes in the cost of printer will go up by atleast 6 thousand rupees and it will not have much of usage. Hence we request you to kindly ammend 8 MB memory to 2 MB memory.	Please refer the modified specifications.
514	Brother International (India) Pvt. Ltd.	112	Chapter 17 Item No. 9	Processor – 250 MHz or higher	Processor – 181 MHz	As per RFP
515	Brother International (India) Pvt. Ltd.	112	Chapter 17 Item No. 9	Resolution – 1200 x 1200 dpi	Resolution – 1200 x 600 dpi	As per RFP
516	HCL	114	Chapter 17 Item No. 14	Battery Backup -2 Hour (4680 VAH)	This may not be sufficient & minimum of 5,700 VAH is recommended.	Please refer the modified specifications.
517	TRITRONICS	114	Chapter 17 Item No. 14	Battery Backup: 2 Hour (4680 VAH)	This may not be sufficient & minimum of 5,700 VAH is recommended.	Please refer the modified specifications.
518	COMPUTER MEDIA	114	Chapter 17 Item No. 14	DC Bus Voltage	DC Bus Voltage should not be mentioned as every UPS Manufacturer has different DC Voltage.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
519	HCL	114	Chapter 17 Item No. 14	DC Bus Voltage	DC Bus Voltage should not be mentioned as every UPS Manufacturer has different DC Voltage.	Please refer the modified specifications.
520	HCL	114	Chapter 17 Item No. 14	IGBT based PWM Technology, Microprocessor controlled Digital Design DSP Based, Double Conversion True On-line UPS	Microprocessor Controlled OR DSP based may kindly be allowed as both technologies are equally good.	Please refer the modified specifications.
521	TRITRONICS	114	Chapter 17 Item No. 14	Input Power Factor: 0.99	0.9 or more may be acceptable since it is sufficient for all applications. As per standard industry norms.	Please refer the modified specifications.
522	TRITRONICS	114	Chapter 17 Item No. 14	Input Voltage & Range: 230V 50Hz, Range 120V – 285V for Load variation of 40% to 100%	Input Voltage range should be independent of load variation, hence range of 120 - 285V for 0% to 100% load variation may be specified.	As per RFP, also refer revised UPS capacity
523	TRITRONICS	114	Chapter 17 Item No. 14	Manufacturer: ISO 9001	It is suggested to also ask for ISO 14001 certification.	Please refer the modified specifications.
524	TRITRONICS	114	Chapter 17 Item No. 14	Power Factor: 0.8 or higher	It is suggested to opt for output Power Factor of 0.9 or more (Minimum output capacity of 1.8 KW)	As per RFP, also refer revised UPS capacity
525	TRITRONICS	114	Chapter 17 Item No. 14	Technology: IGBT based PWM Technology, Microprocessor controlled Digital Design DSP Based, Double Conversion True On-line UPS	Microprocessor Controlled OR DSP based may kindly be allowed as both technologies are equally good. This will allow wider participation & hence benefit of competition to Government of Rajasthan Office of the Inspector General, Registration and Stamps Deptt.	Please refer the modified specifications.
526	EMERSON	114	Chapter 17 Item No. 14		a) Isolation Transformer shall be external at the input of UPS in a cubicle	As per RFP
527	EMERSON	114	Chapter 17 Item No. 14		b) Temperature :0-40 deg C	As per RFP
528	EMERSON	114	Chapter 17 Item No. 14		c) O/P Power Factor: 0.7	As per RFP
529	HCL	115	Chapter 17 Item No. 15	Battery Backup - 1 Hour (2340 VAH)	This may be an overkill & battery capacity of about 1400 VAH would be sufficient to meet the desired backup of 1 Hour.	Please refer the modified specifications and revised UPS Capacity
530	TRITRONICS	115	Chapter 17 Item No. 15	Battery Backup: 1 Hour (2340 VAH)	This may be an overkill & battery capacity of about 1400 VAH would be sufficient to meet the desired backup of 1 Hour.	Please refer the modified specifications and revised UPS Capacity
531	COMPUTER MEDIA	115	Chapter 17 Item No. 15	DC Bus Voltage	DC Bus Voltage should not be mentioned as every UPS Manufacturer has different DC Voltage.	Please refer the modified specifications and revised UPS Capacity
532	HCL	115	Chapter 17 Item No. 15	DC Bus Voltage	DC Bus Voltage should not be mentioned as every UPS Manufacturer has different DC Voltage.	Please refer the modified specifications and revised UPS Capacity
533	TRITRONICS	115	Chapter 17 Item No. 15	Input Power Factor: 0.99	0.9 or more may be acceptable since it is sufficient for all applications. As per standard industry norms.	Please refer the modified specifications and revised UPS Capacity
534	TRITRONICS	115	Chapter 17 Item No. 15	Input Voltage & Range: 230V 50Hz, Range 120V – 285V for Load variation of 40% to 100%.	Input Voltage range should be independent of load variation, hence range of 120 - 285V for 0% to 100% load variation may be specified.	Please refer the modified specifications and revised UPS Capacity
535	TRITRONICS	115	Chapter 17 Item No. 15	Manufacturer: ISO 9001	It is suggested to also ask for ISO 14001 certification.	Please refer the modified specifications and revised UPS Capacity

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
536	COMPUTER MEDIA	115	Chapter 17 Item No. 15	Power factor	It shall be <u>0.8</u> as asked for 2 KVA UPS for more Output.	Please refer the modified specifications and revised UPS Capacity
537	HCL	115	Chapter 17 Item No. 15	Power factor	It shall be 0.8 as asked for 2 KVA UPS for more Output.	Please refer the modified specifications and revised UPS Capacity
538	TRITRONICS	115	Chapter 17 Item No. 15	Power Factor: 0.7 or higher	It is suggested to opt for output Power Factor of 0.9 or more (Minimum output capacity of 0.9 KW)	Please refer the modified specifications and revised UPS Capacity
539	TRITRONICS	115	Chapter 17 Item No. 15	Technology: IGBT based PWM Technology, Microprocessor controlled Digital Design DSP Based, Double Conversion True On-line UPS	Microprocessor Controlled OR DSP based may kindly be allowed as both technologies are equally good. This will allow wider participation & hence benefit of competition to Government of Rajasthan Office of the Inspector General, Registration and Stamps Department.	Please refer the modified specifications and revised UPS Capacity
540	EMERSON	115	Chapter 17 Item No. 15		a) Isolation Transformer shall be external at the input of UPS in a cubicle	As per RFP
541	EMERSON	115	Chapter 17 Item No. 15		b) Temperature :0-40 deg C	As per RFP
542	D-LINK	115	Chapter 17 Item No. 17	Failover	Are you going to have 2 firewalls installed in redundancy that too active active?	Yes. As per RFP
543	TRITRONICS	116	Chapter 17 Item No. 16	Battery: Min. 12AH 12V battery	We suggest to allow & accept 2 x 7AH SMF Batteries also. 12AH Batteries are not a standard industry rating. Also with 2 x 7AH the total VAH derived is 14VAH and is higher than 12VAH.	Please refer the modified specifications and revised UPS Capacity
544	TRITRONICS	116	Chapter 17 Item No. 16	Capacity: 600VA	It is suggested to ask for 600VA / 480W capacity.	Please refer the modified specifications and revised UPS Capacity
545	TRITRONICS	116	Chapter 17 Item No. 16	Output Power Factor: 0.6 or higher	It is suggested to opt for output Power Factor of 0.8 or more (Minimum output capacity of 480W). As per industry norms.	Please refer the modified specifications and revised UPS Capacity
546	EMERSON	116	Chapter 17 Item No. 16		: IT ON 1000 with 2 no.s 12V 7AH Batteries in place of one no. 12V 12AH .	Please refer the modified specifications and revised UPS Capacity
547	CISCO	117	Chapter 17 Item No. 17	Firewall performance Should be 500 Mbps for Clear text and 200 Mbps with IPSEC/ Encrypted Traffic (200 Mbps is the requirement for the encrypted traffic passing through the firewall).	We suggest to change the Firewall Performace from 500 Mbps to 400 Mbps (Clear Text)	Please refer the modified specifications.
548	HCL	117	Chapter 17 Item No. 17	Firewall performance Should be 500 Mbps for Clear text and 200 Mbps with IPSEC/ Encrypted Traffic (200 Mbps is the requirement for the encrypted traffic passing through the firewall).	We suggest to change the Firewall Performace from 500 Mbps to 400 Mbps (Clear Text)	Please refer the modified specifications.
549	D-LINK	117	Chapter 17 Item No. 17	Routing Protocol	Since RIP is a very old protocol and can not scale to big networks, also it is slower in convergence, so are you going to configure RIP on firewall?	Please refer the modified specifications.
550	D-LINK	117	Chapter 17 Item No. 17	SSL VPN	Are you going to use SSL VPN?	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
551	CISCO	117	Chapter 17 Item No. 17	The firewall shall be capable of providing 350 VPN tunnels (on each firewall) with integrated VPN accelerator hardware and should support SSL VPN Users. The SSL VPN functionality should be offloaded to separate dedicated hardware either external or internal to the firewall.	As per RFP page no. 23, clause 5.1.2, network should be scalable to thousand of users and sites, We suggest you to increase the VPN tunnel from 350 to 700	Please refer the modified specifications.
552	HCL	117	Chapter 17 Item No. 17	The firewall shall be capable of providing 350 VPN tunnels (on each firewall) with integrated VPN accelerator hardware and should support SSL VPN Users. The SSL VPN functionality should be offloaded to separate dedicated hardware either external or internal to the firewall.	As per RFP page no. 23, clause 5.1.2, network should be scalable to thousand of users and sites, We suggest you to increase the VPN tunnel from 350 to 700	Please refer the modified specifications.
553	JUNIPER NETWORKS	117	Chapter 17 Item No. 17	The firewall shall be capable of providing 350 VPN tunnels (on each firewall) with integrated VPN accelerator hardware and should support SSL VPN Users. The SSL VPN functionality should be offloaded to separate dedicated hardware either external or internal to the firewall.	SSL feature should be asked separately on the dedicated hardware and not inside the firewall. SSL should be asked with detailed specifications like - Number of concurrent users, Type of application support etc.	Please refer the modified specifications.
554	SPANCO	117	Chapter 17 Item No. 17	The firewall shall be capable of providing 350 VPN tunnels (on each firewall) with integrated VPN accelerator hardware and should support SSL VPN Users. The SSL VPN functionality should be offloaded to separate dedicated hardware either external or internal to the firewall.	As per RFP page no. 23, clause 5.1.2, network should be scalable to thousand of users and sites, We suggest you to increase the VPN tunnel from 350 to 2000 minimum	Please refer the modified specifications.
555	WIPRO	117	Chapter 17 Item No. 17	The firewall shall be capable of providing 350 VPN tunnels (on each firewall) with integrated VPN accelerator hardware and should support SSL VPN Users. The SSL VPN functionality should be offloaded to separate dedicated hardware either external or internal to the firewall.	As per RFP page no. 23, clause 5.1.2, network should be scalable to thousand of users and sites, We suggest you to increase the VPN tunnel from 350 to 2000 minimum	Please refer the modified specifications.
556	SPANCO	117	Chapter 17 Item No. 17	The firewall should support minimum 40000 concurrent sessions	As per RFP page no. 23, clause 5.1.2, network should be scalable to thousand of users and sites, We suggest you to increase the concurrent session from 40,000 to 300,000 as this can exhaust very soon	Please refer the modified specifications.
557	WIPRO	117	Chapter 17 Item No. 17	The firewall should support minimum 40000 concurrent sessions	As per RFP page no. 23, clause 5.1.2, network should be scalable to thousand of users and sites, We suggest you to increase the concurrent session from 40,000 to 300,000 as this can exhaust very soon	Please refer the modified specifications.
558	TRIMAX	117	Chapter 17 Item No. 17	Firewall support for DHCP client/server	May be amended as "Support for DHCP relay" Justification - DHCP server/client are not standard features on a firewall since the DHCP functionality is preferably carried out by an external server. Only DHCP relay is performed by the firewall	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
559	TRIMAX	117	Chapter 17 Item No. 17	Should be 500 Mbps for clear text throughput	May be amended as "Should be 1000 Mbps for clear text throughput" Justification - The firewall throughput is only 500 Mbps which would serve as a blocking appliance considering the IPS is being considered as a gigabit appliance. Therefore, the throughput should be increased to at least gigabit throughput	Please refer the modified specifications.
560	TRIMAX	117	Chapter 17 Item No. 17	Should have 6 user configurable 10/100/1000 ports	May be amended as "Should have 4 user configurable 10/100/1000 or gigabit ports" Justification - 6 numbers of interfaces would not be required as the firewall would not be connecting to the servers directly, it will only be used for the purpose of creating zoning. The servers ideally should get connected to the load balancers. It is advisable to decrease the number of the interfaces	Please refer the modified specifications.
561	CMS	117	Chapter 17 Item No. 17	The firewall should support minimum 40000 concurrent sessions	As per RFP page no. 23, clause 5.1.2, network should be scalable to thousand of users and sites, We suggest you to increase the concurrent session from 40,000 to 300,000 as this can exhaust very soon	Please refer the modified specifications.
562	CMS	117	Chapter 17 Item No. 17	The firewall shall be capable of providing 350 VPN tunnels (on each firewall) with integrated VPN accelerator hardware and should support SSL VPN Users. The SSL VPN functionality should be offloaded to separate dedicated hardware either external or internal to the firewall.	As per RFP page no. 23, clause 5.1.2, network should be scalable to thousand of users and sites, We suggest you to increase the VPN tunnel from 350 to 2000 minimum	Please refer the modified specifications.
563	D-LINK	117	Chapter 17 Item No. 17	Remote Access	Remote Access is a security threat to defense of any network, are you still going to have remote access to firewall?	Please refer the modified specifications.
564	JUNIPER NETWORKS	118	Chapter 17 Item No. 18	Router Architecture: Modular chassis	Pls state : Router Architecture: Modular chassis and Modular operating system with separate processes running in dedicated CPU & memory.	As per RFP
565	JUNIPER NETWORKS	118	Chapter 17 Item No. 18	Accounting: ** The following accounting features should be available:	Pls state : The following accounting features should be supported:	Please refer the modified specifications.
566	JUNIPER NETWORKS	118	Chapter 17 Item No. 18	Controlled SNMP Access through implementation of Access Lists on the router to ensure SNMP access only to the SNMP manager or the NMS workstation	Pls. add: Router should have hardware based IPSec DES, 3DES, AES encryption capability	As per RFP
567	JUNIPER NETWORKS	118	Chapter 17 Item No. 18	Ethernet LAN Ports -> 2x10/100/1000 Mbps. It should support additional Gigabit Ethernet modules i.e. both 10/100/1000 and SFP type (upgradable upto 4)	Please make it as Ethernet LAN Ports -> 4x10/100/1000 Mbps.	As per RFP
568	JUNIPER NETWORKS	118	Chapter 17 Item No. 18	Performance Requirements for 64 byte packet -> Minimum 400 Kpps	Pls. add : Router should have 500 Mbps of IPSec Performance	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
569	D-LINK	118	Chapter 17 Item No. 18	Router LAN ports	Router WAN ports which are being asked can not send data more than 2 Mbps so how does it matter that LAN port on router is 1G or 100 Mb.	As per RFP
570	TRIMAX	118	Chapter 17 Item No. 18	Pre-planned scheduled Reboot Facility : The Router shall support the preplanned timed reboot to upgrade their hardware to a new software feature and plan the rebooting as an offpeak time.	May be amended as "Pre-planned scheduled Reboot Facility: The Router shall support the preplanned timed reboot to upgrade their hardware to a new software feature and plan the rebooting as an offpeak time internally or through an NMS" Justification - The functionality may also be provided through an NMS since it need not be only dependent on routers and can be provisioned to other networking appliances	As per RFP
571	D-LINK	118	Chapter 17 Item No. 18	Web Management of Router	Since enabling Web on router makes it more venerable to attacks as well impacts router CPU.	As per RFP
572	RADWARE	120	Chapter 17 Item No. 20	Minimum support for 8 internet links	With 1 Gbps layer-7 Throughput number of internet link handling capability should be more may be in the range of 20-25.	As per RFP
573	TULIP	120	Chapter 17 Item No. 20	Minimum support for 8 internet links	With 1 Gbps layer-7 Throughput number of internet link handling capability should be more may be in the range of 20-25.	As per RFP
574	WIPRO	120	Chapter 17 Item No. 20	Minimum support for 8 internet links	With 1 Gbps layer-7 Throughput number of internet link handling capability should be more may be in the range of 20-25.	As per RFP
575	RADWARE	120	Chapter 17 Item No. 20	Should have minimum 16 Fast Ethernet Ports and 4 Gigabit copper/fiber ports	Kindly clarify 4 Gigabit Copper or Fiber ports. Also in fiber which module (Sx / Lx /Zx)	As per RFP
576	TULIP	120	Chapter 17 Item No. 20	Should have minimum 16 Fast Ethernet Ports and 4 Gigabit copper/fiber ports	Kindly clarify 4 Gigabit Copper or Fiber ports. Also in fiber which module (Sx / Lx /Zx)	As per RFP
577	WIPRO	120	Chapter 17 Item No. 20	Should have minimum 16 Fast Ethernet Ports and 4 Gigabit copper/fiber ports	Kindly clarify 4 Gigabit Copper or Fiber ports. Also in fiber which module (Sx / Lx /Zx)	As per RFP
578	RADWARE	120	Chapter 17 Item No. 20	Should have minimum 8 Gbps nonblocking Switching backplane	Number of interfaces asked in next clause is 16 fast ethernet ports and 4 Gigabit copper/fiber ports. So as per industry standard calculation for non-blocking, we would require minimum 17Gbps backplane. {(16*2*100) Mbps + (4*2) Gbps + 50% headroom.}	As per RFP
579	TULIP	120	Chapter 17 Item No. 20	Should have minimum 8 Gbps nonblocking Switching backplane	Number of interfaces asked in next clause is 16 fast ethernet ports and 4 Gigabit copper/fiber ports. So as per industry standard calculation for non-blocking, we would require minimum 17Gbps backplane. {(16*2*100) Mbps + (4*2) Gbps + 50% headroom.}	As per RFP
580	WIPRO	120	Chapter 17 Item No. 20	Should have minimum 8 Gbps nonblocking Switching backplane	Number of interfaces asked in next clause is 16 fast ethernet ports and 4 Gigabit copper/fiber ports. So as per industry standard calculation for non-blocking, we would require minimum 17Gbps backplane. {(16*2*100) Mbps + (4*2) Gbps + 50% headroom.}	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
581	RADWARE	120	Chapter 17 Item No. 20	Should provide minimum 1000 Mbps L7 throughput & 50K L7 Sessions/sec	Kindly clarify 50K session asked is concurrent session, if not Kindly suggest the number of concurrent sessions required. Clarification: Session per second means new session per second and does not mean total concurrent session handled by the device. SUGGESTION: offered device should support 250,000 concurrent session with 10,000 session per second.	Please refer the modified specifications.
582	TULIP	120	Chapter 17 Item No. 20	Should provide minimum 1000 Mbps L7 throughput & 50K L7 Sessions/sec	Kindly clarify 50K session asked is concurrent session, if not Kindly suggest the number of concurrent sessions required. Clarification: Session per second means new session per second and does not mean total concurrent session handled by the device. SUGGESTION: offered device should support 250,000 concurrent session with 10,000 session per second.	Please refer the modified specifications.
583	WIPRO	120	Chapter 17 Item No. 20	Should provide minimum 1000 Mbps L7 throughput & 50K L7 Sessions/sec	Kindly clarify 50K session asked is concurrent session, if not Kindly suggest the number of concurrent sessions required. Clarification: Session per second means new session per second and does not mean total concurrent session handled by the device. SUGGESTION: offered device should support 250,000 concurrent session with 10,000 session per second.	Please refer the modified specifications.
584	RADWARE	120	Chapter 17 Item No. 20	Should support Gracefull Activation of links	Kindly clarify: Does this means offered device should have link recovery time and warm time features for activation of links.	As per RFP
585	TULIP	120	Chapter 17 Item No. 20	Should support Gracefull Activation of links	Kindly clarify: Does this means offered device should have link recovery time and warm time features for activation of links.	As per RFP
586	WIPRO	120	Chapter 17 Item No. 20	Should support Gracefull Activation of links	Kindly clarify: Does this means offered device should have link recovery time and warm time features for activation of links.	As per RFP
587	RADWARE	120	Chapter 17 Item No. 20	Should support load balancing algorithms; SNMP Parameters, like router CPU utilisation etc	Kindly clarify: Does this means offered device should capable to monitor the router resource utilization and traffic should be load balanced on the basis of router resource utilization,	As per RFP
588	TULIP	120	Chapter 17 Item No. 20	Should support load balancing algorithms; SNMP Parameters, like router CPU utilisation etc	Kindly clarify: Does this means offered device should capable to monitor the router resource utilization and traffic should be load balanced on the basis of router resource utilization,	As per RFP
589	WIPRO	120	Chapter 17 Item No. 20	Should support load balancing algorithms; SNMP Parameters, like router CPU utilisation etc	Kindly clarify: Does this means offered device should capable to monitor the router resource utilization and traffic should be load balanced on the basis of router resource utilization,	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
590	WIPRO	120	Chapter 17 Item No. 20		Application load balancer Qty 1 (This can be a single point of failure hence, we strongly suggest 2 in HA mode)	Please refer modified BoM (SDC) at Chapter-16
591	WIPRO	120	Chapter 17 Item No. 20		Application Accelerator Qty 2 ((This can be a single point of failure hence, we strongly suggest 2 in HA mode)	As per RFP
592	WIPRO	120	Chapter 17 Item No. 20		3) Link load balancer (pls confirm 2* 2 mbps internet bandwidth on the same router or 2 separate routers)	Separate Routers. As per RFP
593	RADWARE	121	Chapter 17 Item No. 20	Should support Spanning Tree Protocol and multiple STP	Device will be deployed at perimeter (outside of firewall). Feature asked is specific to layer-2/3 switches, which is not useful at perimeter.	Please refer the modified specifications.
594	TULIP	121	Chapter 17 Item No. 20	Should support Spanning Tree Protocol and multiple STP	Device will be deployed at perimeter (outside of firewall). Feature asked is specific to layer-2/3 switches, which is not useful at perimeter.	Please refer the modified specifications.
595	WIPRO	121	Chapter 17 Item No. 20	Should support Spanning Tree Protocol and multiple STP	Device will be deployed at perimeter (outside of firewall). Feature asked is specific to layer-2/3 switches, which is not useful at perimeter.	Please refer the modified specifications.
596	TRIMAX	121	Chapter 17 Item No. 21	Denial of service prevention	May be added as "Should perform denial of service protection such as port attacks, SYN attacks, protection against application abuse, IP filtering et." Justification - For the protection of the servers, this is important from both the external and internal users. It will also serve as an additional layered defense since the firewall/IPS serves only for the perimeter traffic	As per RFP
597	TRIMAX	121	Chapter 17 Item No. 21	Global server load balancing	May be added as "Should support global server load balancing" Justification - For the purpose of scalability in future the appliance should also support global server load balancing	As per RFP
598	TULIP	121	Chapter 17 Item No. 21	Load Balancing Algorithms Round Robin Weighted Round Robin / Weighted Least Connection Fewest Outstanding Requests	kindly clarify : Does load balancing algorithm also required SNMP based load balancing, this means offered device should capable to monitor the server resource (CPU/Memory/etc) utilization and traffic should be load balanced on the basis of server resource utilization parameters.	As per RFP
599	RADWARE	121	Chapter 17 Item No. 21	Load Balancing Algorithms Round Robin Weighted Round Robin / Weighted Least Connection Fewest Outstanding Requests	kindly clarify : Does load balancing algorithm also required SNMP based load balancing, this means offered device should capable to monitor the server resource (CPU/Memory/etc) utilization and traffic should be load balanced on the basis of server resource utilization parameters.	As per RFP
600	HCL	121	Chapter 17 Item No. 21	Load Balancing Algorithms: Fewest Outstanding Requests"	Please change "Fewest Outstanding Request" to "Fewest Outstanding Request/Lease Response time/Lease Bandwidth"	Please Refer Modified Specifications

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
601	CISCO	121	Chapter 17 Item No. 21	Load Balancing Algorithms: Fewest Outstanding Requests"	Please change "Fewest Outstanding Request" to "Fewest Outstanding Request/Lease Response time/Lease Bandwidth"	Please Refer Modified Specifications
602	RADWARE	121	Chapter 17 Item No. 21	Ports: 4 10/100/1000, The number of ports should be extensible using an external switch if required in the future	Kindly calrify : Do offered device require to have option for fiber ports? Which type (Sx, Lx, Zx) and how many?	As per RFP
603	TULIP	121	Chapter 17 Item No. 21	Ports: 4 10/100/1000, The number of ports should be extensible using an external switch if required in the future	Kindly calrify : Do offered device require to have option for fiber ports? Which type (Sx, Lx, Zx) and how many?	As per RFP
604	RADWARE	121	Chapter 17 Item No. 21	Simultaneous session : 1 million	Kindly clarify the scalability for simultaneous session. Suggestion upto 4 million concurrent connections.	As per RFP
605	TULIP	121	Chapter 17 Item No. 21	Simultaneous session : 1 million	Kindly clarify the scalability for simultaneous session. Suggestion upto 4 million concurrent connections.	As per RFP
606	HCL	121	Chapter 17 Item No. 21	SSL Transactions per Second	We suggest to make it single box solution, as it will reduce the cost of solution (Power & cost of 2nd box) and make the solution easier and more manageable	As per RFP
607	CISCO	121	Chapter 17 Item No. 21	SSL Transactions per Second	We suggest to make it single box solution, as it will reduce the cost of solution (Power & cost of 2nd box) and make the solution easier and more manageable	As per RFP
608	RADWARE	121	Chapter 17 Item No. 21	SSL Transactions per: 5000 (if the feature is not a part of the SLB then this can be achieved through an external hardware device)	Scalability for this parameter is not clarified, Suggestion : upgradable to 16000 TPS	As per RFP
609	TULIP	121	Chapter 17 Item No. 21	SSL Transactions per: 5000 (if the feature is not a part of the SLB then this can be achieved through an external hardware device)	Scalability for this parameter is not clarified, Suggestion : upgradable to 16000 TPS	As per RFP
610	RADWARE	121	Chapter 17 Item No. 21	Throughput : One Gbps - Layer 7 Throughput of 10K Sessions per second	Scalability options is not mentioned. Suggestions the offered device layer-7 throughput should be license upgradeable to 4 Gbps.	As per RFP
611	TULIP	121	Chapter 17 Item No. 21	Throughput : One Gbps - Layer 7 Throughput of 10K Sessions per second	Scalability options is not mentioned. Suggestions the offered device layer-7 throughput should be license upgradeable to 4 Gbps.	As per RFP
612	SPANCO	121	Chapter 17 Item No. 21	Throughput: One Gbps - Layer 7 Throughput of 10K Sessions per second	We suggest to make it "One Gbps upgradable in future to 4 Gbps via software license without changing hardware -Throughput of 10-40K connection per second".	As per RFP
613	WIPRO	121	Chapter 17 Item No. 21	Throughput: One Gbps - Layer 7 Throughput of 10K Sessions per second	We suggest to make it "One Gbps upgradable in future to 4 Gbps via software license without changing hardware -Throughput of 10-40K connection per second".	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
614	CISCO	121	Chapter 17 Item No. 21		We suggest to add the following: Should support End-to-End SSL Encryption (Backend Encryption) Should support SSL initiation (SSL between SLB & Servers) Should support dynamic caching technologies Should store cached content in RAM (1.5G Storage Capacity) for faster content delivery Should support 1.8M PPS @ 64byte Should support minimum 120,000 L4 connections per second Should suport minimum 40,000 L7 connections per second	As per RFP
615	HCL	121	Chapter 17 Item No. 21		We suggest to add the following: Should support End-to-End SSL Encryption (Backend Encryption) Should support SSL initiation (SSL between SLB & Servers) Should suport dynamic caching technologies Should store cached content in RAM (1.5G Storage Capacity) for faster content delivery Should support 1.8M PPS @ 64byte Should support minimum 120,000 L4 connections per second Should suport minimum 40,000 L7 connections per second	As per RFP
616	RADWARE	121	Chapter 17 Item No. 21		Do server load balancer should be proposed in high availability mode, kindly confirm	As per RFP
617	SPANCO	121	Chapter 17 Item No. 21		We suggest to include HTTP Compression technologies like GZIP & DEFLATE with compression of 500Mbps using hardware card/module from day one and upgradable via license	As per RFP
618	SPANCO	121	Chapter 17 Item No. 21		We suggest that it should have the ability to divide single box in to multiple boxes & operate as independantly hence single device can be used to load balance multiple DMZ servers without compromising network security	As per RFP
619	SPANCO	121	Chapter 17 Item No. 21		Should support resource allocation per virtual instance such as CPU, Memory, Connections etc	As per RFP
620	SPANCO	121	Chapter 17 Item No. 21		Should support access control per virtual unit so each virtual unit can be managed by different group without able to see config in other virtual unit	As per RFP
621	SPANCO	121	Chapter 17 Item No. 21		Should support HTTP Compression technologies like GZIP & DEFLATE with min of 100Mbps and scalable to 2Gbps	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
622	WIPRO	121	Chapter 17 Item No. 21		We suggest to include HTTP Compression technologies like GZIP & DEFLATE with compression of 500Mbps using hardware card/module from day one and upgradable via license	As per RFP
623	WIPRO	121	Chapter 17 Item No. 21		We suggest that it should have the ability to divide single box in to multiple boxes & operate as independantly hence single device can be used to load balance multiple DMZ servers without compromizing network security	As per RFP
624	WIPRO	121	Chapter 17 Item No. 21		Should support resource allocation per virtual instance such as CPU, Memory, Connections etc	As per RFP
625	WIPRO	121	Chapter 17 Item No. 21		Should support access control per virtual unit so each virtual unit can be managed by different group without able to see config in other virtual unit	As per RFP
626	WIPRO	121	Chapter 17 Item No. 21		Should support HTTP Compression technologies like GZIP & DEFLATE with min of 100Mbps and scalable to 2Gbps	As per RFP
627	CMS	121	Chapter 17 Item No. 21	Throughput: One Gbps - Layer 7 Throughput of 10K Sessions per second	We suggest to make it "One Gbps upgradable in future to 4 Gbps via software license without changing hardware -Throughput of 10-40K connection per second".	As per RFP
628	CMS	121	Chapter 17 Item No. 21		We suggest to include HTTP Compression technologies like GZIP & DEFLATE with compression of 500Mbps using hardware card/module from day one and upgradable via license	As per RFP
629	CMS	121	Chapter 17 Item No. 21		We suggest that it should have the ability to divide single box in to multiple boxes & operate as independantly hence single device can be used to load balance multiple DMZ servers without compromizing network security	As per RFP
630	CMS	121	Chapter 17 Item No. 21		Should support resource allocation per virtual instance such as CPU, Memory, Connections etc	As per RFP
631	CMS	121	Chapter 17 Item No. 21		Should support access control per virtual unit so each virtual unit can be managed by different group without able to see config in other virtual unit	As per RFP
632	CMS	121	Chapter 17 Item No. 21		Should support HTTP Compression technologies like GZIP & DEFLATE with min of 100Mbps and scalable to 2Gbps	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
633	TRIMAX	121	Chapter 17 Item No. 21	Throughput One Gbps – Layer 7 Throughput of 10K Sessions per second	May be amended as "Throughput 8 Gbps – Layer 7 Throughput of 50K Sessions per second" Justification - Considering the throughput being catered by link load balancers, similar throughput is needed to be balanced by the application load balancers else the sessions would be dropped	As per RFP
634	TRIMAX	121	Chapter 17 Item No. 21	Ports 4 10/00/1000	Ports – 10 nos of Gigabit Justification - As number of servers in Network are more, so 4 ports will not be sufficient to meet performance requirement. Minimum 2 Ports (to redundant FW or Switch) are required to be connected to Firewall for User Incoming traffic, 1 port for Inter-load-balancer connectivity & only 1 port is left for server connectivity, Connecting of switch in between server & LB will add one more hop thus slow performance. Also complete throughput of all servers will be degraded to weakest link – i.e. 1 Gbps of switch to LB line. Even in case switch is used towards server side 2 ports are required for server-side switch connectivity.	As per RFP
635	TRIMAX	121	Chapter 17 Item No. 21	Bandwidth management features	May be added as "Should perform bandwidth management based on any L3-L7 information" Justification - There is no mention of bandwidth management features such as those mentioned in the link load balancers. Without these features bandwidth management cannot be provisioned end-to-end up to the serves.	As per RFP
636	JUNIPER NETWORKS	122	Chapter 17 Item No. 22	Alerts Alerting SNMP, SMTP support	Pls. add: IPS should have Pre configured reporting capability on the appliance itself.	As per RFP
637	CISCO	122	Chapter 17 Item No. 22	Device should perform Antivirus detection & protection at Network gateway	IPS cannot be a replacement for Antivirus, Network based attack vectors are covered but file based not. Hence we request to change the same to "Device should perform Network based Antivirus protection"	Please refer the modified specifications.
638	HCL	122	Chapter 17 Item No. 22	Device should perform Antivirus detection & protection at Network gateway	IPS cannot be a replacement for Antivirus, Network based attack vectors are covered but file based not. Hence we request to change the same to "Device should perform Network based Antivirus protection"	Please refer the modified specifications.
639	SPANCO	122	Chapter 17 Item No. 22	Device should perform Antivirus detection & protection at Network gateway	IPS cannot be a replacement for Antivirus, Network based attack vectors are covered but file based not. Hence we request to change the same to "Device should perform Network based Antivirus protection"	Please refer the modified specifications.
640	CISCO	122	Chapter 17 Item No. 22	IPS Device should perform URL & content based Filtering	IPS are generally not designed to perform URL filtering. Hence we request to remove the same.	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
641	HCL	122	Chapter 17 Item No. 22	IPS Device should perform URL & content based Filtering	IPS are generally not designed to perform URL filtering. Hence we request to remove the same.	Please refer the modified specifications.
642	JUNIPER NETWORKS	122	Chapter 17 Item No. 22	IPS Device should perform URL & content based Filtering	Pls remove this clause. This requirement is already asked in the firewall and hence is not required in the IPS.	Please refer the modified specifications.
643	SPANCO	122	Chapter 17 Item No. 22	IPS Device should perform URL & content based Filtering	IPS are generally not designed to perform URL filtering. Hence we request to remove the same.	Please refer the modified specifications.
644	CISCO	122	Chapter 17 Item No. 22	IPS should be capable to provide prevention against SSL based Attack using external Add-On hardware that does not degrade IPS performance.	Specific to particular OEM, request you to remove. Or else Change it to provide prevention against attack on SSL	Please refer the modified specifications.
645	HCL	122	Chapter 17 Item No. 22	IPS should be capable to provide prevention against SSL based Attack using external Add-On hardware that does not degrade IPS performance.	Specific to particular OEM, request you to remove. Or else Change it to provide prevention against attack on SSL	Please refer the modified specifications.
646	JUNIPER NETWORKS	122	Chapter 17 Item No. 22	IPS should be capable to provide prevention against SSL based Attack using external Add-On hardware that does not degrade IPS performance.	Pls make it Internal / External	Please refer the modified specifications.
647	SPANCO	122	Chapter 17 Item No. 22	IPS should be capable to provide prevention against SSL based Attack using external Add-On hardware that does not degrade IPS performance.	Specific to particular OEM, request you to remove. Or else Change it to provide prevention against attack on SSL	Please refer the modified specifications.
648	WIPRO	122	Chapter 17 Item No. 22	IPS should be capable to provide prevention against SSL based Attack using external Add-On hardware that does not degrade IPS performance.	Specific to particular OEM, request you to remove. Change it to provide prevention against attack on SSL	Please refer the modified specifications.
649	RADWARE	122	Chapter 17 Item No. 22	IPS should have minimum Aggregate Throughput minimum 1 Gbps	Incase of multiple device offered what should be the minimum throughput for each device. Suggestion: Offered IPS should have aggregate throughput 1 Gbps upgradable to 2.5 Gbps.	As per RFP
650	TULIP	122	Chapter 17 Item No. 22	IPS should have minimum Aggregate Throughput minimum 1 Gbps	Incase of multiple device offered what should be the minimum throughput for each device. Suggestion: Offered IPS should have aggregate throughput 1 Gbps upgradable to 2.5 Gbps.	As per RFP
651	RADWARE	122	Chapter 17 Item No. 22	IPS should support fail open in case of hardware or software failure.	Does this means device should pass the the traffic in case of hardware/software failure. Please clarify.	As per RFP
652	TULIP	122	Chapter 17 Item No. 22	IPS should support fail open in case of hardware or software failure.	Does this means device should pass the the traffic in case of hardware/software failure. Please clarify.	As per RFP
653	JUNIPER NETWORKS	122	Chapter 17 Item No. 22	IPS system should have minimum 8 numbers of 10/100/1000 Mbps Tx Port in single or dual sensors appliances	Pls. make it 10 numbers of 10/100/1000 Mbps Tx ports	As per RFP
654	CISCO	122	Chapter 17 Item No. 22	Log File, Syslog support	Instead of Syslog, we suggest SDEE support which is standardized IPS communication protocol to facilitate integration of 3rd party mangement and monitoring solution giving users a choice of 3rd party solution to monitor events generated by IPS	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
655	HCL	122	Chapter 17 Item No. 22	Log File, Syslog support	Instead of Syslog, we suggest SDEE support which is standardized IPS communication protocol to facilitate integration of 3rd party mangement and monitoring solution giving users a choice of 3rd party solution to monitor events generated by IPS	Please refer the modified specifications.
656	SPANCO	122	Chapter 17 Item No. 22	Log File, Syslog support	Instead of Syslog, we suggest SDEE support which is standardized IPS communication protocol to facilitate integration of 3rd party mangement and monitoring solution giving users a choice of 3rd party solution to monitor events generated by IPS	Please refer the modified specifications.
657	WIPRO	122	Chapter 17 Item No. 22	Log File, Syslog support	Instead of Syslog, we suggest SDEE support which is standardized IPS communication protocol to facilitate integration of 3rd party mangement and monitoring solution giving users a choice of 3rd party solution to monitor events generated by IPS	Please refer the modified specifications.
658	RADWARE	122	Chapter 17 Item No. 22	Minimum Simultaneous Sessions support – 100000	incase of multiple device offered what should be the minimum simultaneous session support for each device. Suggestion: Offered IPS should have minimum simultaneous session support upto 500,000 for each IPS .	As per RFP
659	TULIP	122	Chapter 17 Item No. 22	Minimum Simultaneous Sessions support – 100000	incase of multiple device offered what should be the minimum simultaneous session support for each device. Suggestion: Offered IPS should have minimum simultaneous session support upto 500,000 for each IPS .	As per RFP
660	JUNIPER NETWORKS	122	Chapter 17 Item No. 22	Reconnaissance	Pls. add: IPS should have capability to create and show fake resources to the outside world and track various attacks to proactively defend the real/actual resources.	As per RFP
661	CMS	122	Chapter 17 Item No. 22	IPS should be capable to provide prevention against SSL based Attack using external Add-On hardware that does not degrade IPS performance.	Specific to particular OEM, request you to remove.Change it to provide prevention against attack on SSL	Please refer the modified specifications.
662	CMS	122	Chapter 17 Item No. 22	Log File, Syslog support	Instead of Syslog, we suggest SDEE support which is standardized IPS communication protocol to facilitate integration of 3rd party mangement and monitoring solution giving users a choice of 3rd party solution to monitor events generated by IPS	Please refer the modified specifications.
663	JUNIPER NETWORKS	123	Chapter 17 Item No. 23	• Support for Error disable and recovery	Pls remove this clause.	Please refer the modified specifications.
664	JUNIPER NETWORKS	123	Chapter 17 Item No. 23	• The switch should have Redundant Power Supply which should be field replaceable	Does it mean Internal or External RPS ?	Please refer the modified specifications.
665	SPANCO	123	Chapter 17 Item No. 23	Bridging and Learning: GVRP should be supported (VLAN config on trunk and pruning)	Please change it to GVRP or equivalent	Please refer the modified specifications.
666	CISCO	123	Chapter 17 Item No. 23	Bridging and Learning: GVRP should be supported (VLAN config on trunk and pruning)	Please change it to GVRP or equivalent	Please refer the modified specifications.

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667	WIPRO	123	Chapter 17 Item No. 23	Bridging and Learning: GVRP should be supported (VLAN config on trunk and pruning)	Please change it to GVRP or equivalent	Please refer the modified specifications.
668	SPANCO	123	Chapter 17 Item No. 23	High Availability: VRRP	Please change it to VRRP or equivalent	Please refer the modified specifications.
669	SPANCO	123	Chapter 17 Item No. 23	High Availability: The switch should have Redundant Power Supply which should be field replaceable	Please change it to Internal/External Redunant Power Supply	Please refer the modified specifications.
670	WIPRO	123	Chapter 17 Item No. 23	High Availability: The switch should have Redundant Power Supply which should be field replaceable	Please change it to Internal/External Redunant Power Supply	Please refer the modified specifications.
671	CISCO	123	Chapter 17 Item No. 23	High Availability: VRRP	Please change it to VRRP or equivalent	Please refer the modified specifications.
672	WIPRO	123	Chapter 17 Item No. 23	High Availability: VRRP	Please change it to VRRP or equivalent	Please refer the modified specifications.
673	D-LINK	123	Chapter 17 Item No. 23	L3 24 port switch	Is LLDP really required? Are routed port ACLs required as these are only used when switch ports are converted to routed ports. Are you going to use "IP SOURCE GUARD" feature?	Please refer the modified specifications.
674	SPANCO	123	Chapter 17 Item No. 23	Layer3 Protocol Support The switch must have support for should support OSPF from day 1	Please clarify whether you require OSPF functionality from day 1 or only support is required	Please refer the modified specifications.
675	WIPRO	123	Chapter 17 Item No. 23	Layer3 Protocol Support The switch must have support for should support OSPF from day 1	Please clarify whether you require OSPF functionality from day 1 or only support is required	Please refer the modified specifications.
676	JUNIPER NETWORKS	123	Chapter 17 Item No. 23	Port Mirroring • Minimum number of mirroring sessions - 2	Pls ask for 1 number of mirroring sessions	Please refer the modified specifications.
677	JUNIPER NETWORKS	123	Chapter 17 Item No. 23	Port Security • Support for IP source guard	Pls remove this clause.	Please refer the modified specifications.
678	TRIMAX	123	Chapter 17 Item No. 23	GVRP should be supported (VLAN config on trunk and pruning)	GVRP is used for large campus LAN wherein this network has standalone switches Can this feature be offered using external software/hardware	Please refer the modified specifications.
679	TRIMAX	123	Chapter 17 Item No. 23	Minimum number of mirroring sessions – 2	2 simultaneous mirroring sessions is not industry standard & specific to only 1 OEM industry practice is to have 1 mirroring session, please confirm	Please refer the modified specifications.
680	TRIMAX	123	Chapter 17 Item No. 23	The switch should have a non-blocking architecture	For Non-blocking architecture 88 Gbps Backplane is required. Please confirm	Please refer the modified specifications.
681	TRIMAX	123	Chapter 17 Item No. 23	The switch should have Redundant Power Supply which should be field replaceable	RPS is external to switch in standalone switch. Please confirm whether RPS is to be provided from Day-1	Please refer the modified specifications.
682	CMS	123	Chapter 17 Item No. 23	Bridging and Learning:GVRP should be supported (VLAN config on trunk and pruning)	Please change it to GVRP or equivalent	Please refer the modified specifications.
683	CMS	123	Chapter 17 Item No. 23	High Availability:VRRP	Please change it to VRRP or equivalent	Please refer the modified specifications.
684	CMS	123	Chapter 17 Item No. 23	High Availability:The switch should have Redundant Power Supply which should be field replaceable	Please change it to Internal/External Redunant Power Supply	Please refer the modified specifications.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
685	CMS	123	Chapter 17 Item No. 23	Layer3 Protocol Support The switch must have support for should support OSPF from day 1	Please clarify whether you require OSPF functionality from day 1 or only support is required	Please refer the modified specifications.
686	CMS	124	Chapter 17 Item No. 24A	Ports:Stackable switch with 24 port auto-negotiation 10 Base -T / 100 Base - Tx Ports with 2 10/100/1000 or SFP/GBICs and should provide minimum 256 VLANs	Please change it to:Switch with 24 port auto-negotiation 10 Base -T / 100 Base - Tx Ports with 2 10/100/1000 or SFP/GBICs. We have 2-4 PC per location hence stacking is not required. In order to connect to other location Gig ports have been provisioned	Please refer the modified specifications of Item No. 24.
687	CMS	124	Chapter 17 Item No. 24A	Ports:and should provide minimum 256 VLANs	Please change it "and should provide minimum 64 VLANs" We hardly have 2-4 PCs at each of the location, hence such a high figure is not required.	Please refer the modified specifications of Item No. 24.
688	CMS	124	Chapter 17 Item No. 24A	Packet Forwarding rate: 8 Mpps	Please change it to 6.5 Mpps Using the formula: $2.4G + 2 G = 4.4G \times 1488000 = 6547200 / 1000000 = 6.5Mpps$	Please refer the modified specifications of Item No. 24.
689	HCL	124	Chapter 17 Item No. 24A	24 Port Managed Switch	Please clarify at what locations this switch is to be installed. This switch is not reflected in any of the locations.	Please refer the modified specifications of Item No. 24.
690	CISCO	124	Chapter 17 Item No. 24A	Packet Forwarding rate: 8 Mpps	Please change it to 6.5 Mpps Using the formula: $2.4G + 2 G = 4.4G \times 1488000 = 6547200 / 1000000 = 6.5Mpps$	Please refer the modified specifications of Item No. 24.
691	SPANCO	124	Chapter 17 Item No. 24A	Packet Forwarding rate: 8 Mpps	Please change it to 6.5 Mpps Using the formula: $2.4G + 2 G = 4.4G \times 1488000 = 6547200 / 1000000 = 6.5Mpps$	Please refer the modified specifications of Item No. 24.
692	WIPRO	124	Chapter 17 Item No. 24A	Packet Forwarding rate: 8 Mpps	Please change it to 6.5 Mpps Using the formula: $2.4G + 2 G = 4.4G \times 1488000 = 6547200 / 1000000 = 6.5Mpps$	Please refer the modified specifications of Item No. 24.
693	CISCO	124	Chapter 17 Item No. 24A	Ports: and should provide minimum 256 VLANs	Please change it "and should provide minimum 64 VLANs" We hardly have 2-4 PCs at each of the location, hence such a high figure is not required.	Please refer the modified specifications of Item No. 24.
694	SPANCO	124	Chapter 17 Item No. 24A	Ports: and should provide minimum 256 VLANs	Please change it "and should provide minimum 64 VLANs" We hardly have 2-4 PCs at each of the location, hence such a high figure is not required.	Please refer the modified specifications of Item No. 24.
695	WIPRO	124	Chapter 17 Item No. 24A	Ports: and should provide minimum 256 VLANs	Please change it "and should provide minimum 64 VLANs" We hardly have 2-4 PCs at each of the location, hence such a high figure is not required.	Please refer the modified specifications of Item No. 24.
696	CISCO	124	Chapter 17 Item No. 24A	Ports: Stackable switch with 24 port auto-negotiation 10 Base -T / 100 Base - Tx Ports with 2 10/100/1000 or SFP/GBICs and should provide minimum 256 VLANs	Please change it to: Switch with 24 port auto-negotiation 10 Base -T / 100 Base - Tx Ports with 2 10/100/1000 or SFP/GBICs. We have 2-4 PC per location hence stacking is not required, this will increase the cost. In order to connect to other location Gig ports have been provisioned	Please refer the modified specifications of Item No. 24.

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
697	SPANCO	124	Chapter 17 Item No. 24A	Ports: Stackable switch with 24 port auto-negotiation 10 Base -T / 100 Base - Tx Ports with 2 10/100/1000 or SFP/GBICs and should provide minimum 256 VLANs	Please change it to: Switch with 24 port auto-negotiation 10 Base -T / 100 Base - Tx Ports with 2 10/100/1000 or SFP/GBICs. We have 2-4 PC per location hence stacking is not required. In order to connect to other location Gig ports have been provisioned	Please refer the modified specifications of Item No. 24.
698	WIPRO	124	Chapter 17 Item No. 24A	Ports: Stackable switch with 24 port auto-negotiation 10 Base -T / 100 Base - Tx Ports with 2 10/100/1000 or SFP/GBICs and should provide minimum 256 VLANs	Please change it to: Switch with 24 port auto-negotiation 10 Base -T / 100 Base - Tx Ports with 2 10/100/1000 or SFP/GBICs. We have 2-4 PC per location hence stacking is not required. In order to connect to other location Gig ports have been provisioned	Please refer the modified specifications of Item No. 24.
699	JUNIPER NETWORKS	124	Chapter 17 Item No. 24A	Specifications given are very basic	We request you to pls ask for detailed specifications. Sample specification for these switches and routers is given in annexure for your kind reference.	Please refer the modified specifications of Item No. 24.
700	CISCO	124	Chapter 17 Item No. 24A		We suggest to add th following: IGMP snooping v1 and v2 Policy Based Routing Should prevent ARP Spoofing Should prevent IP Spoofing Multicast Support: DVMRP, PIM SM, DM & Sparse-Dense Mode	Please refer the modified specifications of Item No. 24.
701	CMS	124	Chapter 17 Item No. 24B	MAC Address: 8K	At the remotest location such a high number of MAC Address support is not required. Hence we request you to change it to 4K rather	Please refer the modified specifications of Item No. 24.
702	CISCO	124	Chapter 17 Item No. 24B	24 Port Unmanaged Switch with Internal Power Supply	We sugggest to make is manageable switch, so that it can be managed remotely from Data Centre	Please refer the modified specifications of Item No. 24.
703	CISCO	124	Chapter 17 Item No. 24B	MAC Address: 8K	At the remotest location such a high number of MAC Address support is not required. Hence we request you to change it to 4K rather	Please refer the modified specifications of Item No. 24.
704	SPANCO	124	Chapter 17 Item No. 24B	MAC Address: 8K	At the remotest location such a high number of MAC Address support is not required. Hence we request you to change it to 4K rather	Please refer the modified specifications of Item No. 24.
705	WIPRO	124	Chapter 17 Item No. 24B	MAC Address: 8K	At the remotest location such a high number of MAC Address support is not required. Hence we request you to change it to 4K rather	Please refer the modified specifications of Item No. 24.
706	JUNIPER NETWORKS	124	Chapter 17 Item No. 24B	Specifications given are very basic	We request you to pls ask for detailed specifications. Sample specification for these switches and routers is given in annexure for your kind reference.	Please refer the modified specifications of Item No. 24.
707	CMC	142	Annexure 4	Total No. of Documents	Our suggestion is that we should put the cap on minimum number of documents or actual number, whichever is higher-basis for calculation of bill amount quarterly.	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
708	CMC	157	Annexure 7	List of reports	Only the soft copy of MIS and other reports needs to be supplied or hard copies need to be supplied for various reports?	Both, Refer Annexure 9
709	TULIP	162	Annexure 10 (2)	Content Manager Open Source Technology like J2EE,DHTML,XML, .Net etc and related web technologies/tools.	.Net is the proprietary technology. Requesting you to change same. *Open Source Technology like J2EE, DHTML,XML and proprietary technology like .Net etc and related web technologies/tools.*	As per RFP
710	REDHAT	162	Annexure 10 (2)	Open Source Technology like J2EE, DHTML,XML, .Net etc and related web technologies/tools.	.Net is the proprietary technology. Requesting you to change same. Open Source Technology like J2EE, DHTML,XML and proprietary technology like .Net etc and related web technologies/tools.	As per RFP
711	BEL				Specifications of MPLS-VPN Core Router may be specified.	Please refer to the modified RFP for Specifications
712	SATYAM COMPUTERS	26-27	5.1.5.1-5.1.5.2	SRS and Prototype of the application	prototype is not listed in Chapter 6 as mentioned. Need to understand the depth of details expected out of the said prototype.	As per RFP
713	SATYAM COMPUTERS	14, 17, 25, 33,	4.3.8	Scanning Requirements	Regarding scanned documents – is the new system envisaged to do the following?	Yes and as per RFP
714	SATYAM COMPUTERS	14, 17, 25, 33,	4.3.8	Scanning Requirements	a) What is the volume of hard copy documents to be scanned per month? (in terms of GBs / TBs) (In terms of A4 size documents) b) And the scanning can be initiated through a configurable GUI or web browser?	As per RFP
715	SATYAM COMPUTERS	14, 17, 25, 33,	4.4, 5.1.3.2 & 5.1.6,	Scanning Requirements	a) Intelligent Character Recognition and Optical Character Recognition capabilities b) What is the projected growth rate for the document volume specific to scanning? c) Could please confirm on the number of scanning locations/sites d) How many templates do you need to have for document scanning?	As per RFP
716	SATYAM COMPUTERS	32 & 47	5.1.5.2 Stage II 19	Integration with other Applications / Databases -	Please list the applications along with the technology to be integrated with the CMS. a) Also provide a brief description of the nature of integration required b) Are there any existing tools/ technologies that can be leveraged for this state wide project roll out? e.g. GIS, DB, DMS etc.	As per RFP, Please refer modified BoM at Chapter 16
717	TRIMAX	98 & 101	Chapter 16 & 17	Portal Software and Hardware not specified	Kindly note that the Portal Hardware & Software line item is not specified in Bill of Material & Technical Specifications. Kindly confirm the portal Server hardware & software requirement.	Please refer Item No. 2 of Chapter-17
718	HCL	98 & 101	Chapter 16 & 17	Portal Software and Hardware not specified	Kindly note that the Portal Hardware & Software line item is not specified in Bill of Material & Technical Specifications. Kindly confirm the portal Server hardware & software requirement.	Please refer Item No. 2 of Chapter-17

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
719	HP		Additional Clause: Network Management System	The project involved deployment of large IT infrastructure & maintaining the same for 5 years by the BOOT vendor as per the SLAs specified by Government of Rajasthan. It is imperative & critical that GoR specifies the use of a NMS tool to monitor & administer the hardware deployed.		As per RFP
720	SPANCO		Additional Clause: Network Management System	The project involved deployment of large IT infrastructure & maintaining the same for 5 years by the BOOT vendor as per the SLAs specified by Government of Rajasthan. It is imperative & critical that GoR specifies the use of a NMS tool to monitor & administer the hardware deployment		As per RFP
721	WIPRO		Data Migration	General Clarifications	Please specify the Scope of Work for the data migration. Scope should specify at least the following but not limited to; 1. Type of data source Digital/Manual. 2. List of Source Systems / Databases, If any. 3. List of ways to interact with the source system. 4. Does IGRS will extract the data from source system or part of scope? 5. What are the ways (scripts/tools/protocols) to interact with source system? 6. How much volume of data to be migrated? 7. Does the data is all in plain English Text or does it involve image etc? 8. Does the data available in different language or only in English? 9. Who will be responsible for Data Cleaning? How much percentage that the old data is in line with new business requirement? 10. Who will be responsible for creating the data in a specified format for migration purpose?	Please refer to the RFP for such details
722	DATA INFOSYS LTD.		General	Inflation	In case of Inflation increase of more than 10% from the date of awarding the work order, the the difference should be reviewed with reasonable considerations.	Not applicable and as per RFP
723	BEL		General		Last Date & Time of Submission of Bid is 30-07-08 upto 15:00 hrs. Will it be extended suitably, based on the date of furnishing the clarifications for the Pre-Bid Meeting.	Please refer the Corrigendums issued by the department dated 23/07/2008 and onwards.
724	SATYAM COMPUTERS		General	CMS preference	Do you have any preference for a COTS CMS? Please mention	As per RFP
725	SATYAM COMPUTERS		General	Content Migration	Do you want to migrate the contents, metadata and references on the new CMS? If yes, Please provide a list of Document Types and volumes to be migrated?	As per RFP (refer Time Schdeule- Data Migration, Annexure 6 & 7)

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726	SATYAM COMPUTERS		General	Digital Signature, Barcode requirement	a) Is there a functional need / use of electronic signature and digital barcode for unique identification and security of documents b) Digital signature costing would be given for one signature, which would later be calculated on actuals, depending on the usage, is this arrangement agreeable?	As per RFP
727	SATYAM COMPUTERS		General	Email Integration and Notification	From the RFP we understand that there would be a need for email interaction with citizens/customers. a) So, is Email integration required? Please describe your email client. b) Also please confirm if there is a requirement for notifications/automatic report and acknowledgment functionality	No
728	SATYAM COMPUTERS		General	External Integration	How many external applications and technologies that needs to integrate with the new CMS?	As per RFP refer clause no. 5.1.5.2 Stage II 19
729	SATYAM COMPUTERS		General	Number of Users	a) What is the estimated number of internal current users that will be accessing, using (content authoring and publishing content) the CMS? b) The total number of concurrent users?	As per RFP
730	SATYAM COMPUTERS		General	VB Application functionalities	a) The VB/Access application software running in the rest of the SROs would be decommissioned, is it true? b) Are there any other functionalities in the VB application other than Registration?	Yes, other than registration process no other functionality is there.
731	SATYAM COMPUTERS		General	Work flows	We understand from the RFP that there are interdepartmental workflows? How many pre defined workflows do you intend to implement? Does the administrator have workflow editing or creating rights, or should he just monitor the pre defined workflows?	As per RFP
732	SATYAM COMPUTERS		General		a) What is the current size of content (documents, images, scanned files etc) that is available across various departments which needs to be managed. b) Also please let know the average growth of content on a year on year basis. c) Please confirm if the existing legacy online content also needs to be migrated to the new CMS?	As per RFP
733	SATYAM COMPUTERS		General		What are the payment gateways to be integrated with?	Please refer clause 5.1.5.2 StageII 15
734	SATYAM COMPUTERS		General		What kind of ad-hoc report generation capability is required?	As per RFP
735	SATYAM COMPUTERS		General		How many users will be accessing the MIS report	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
736	SATYAM COMPUTERS		General		Could you provide details to help in framing the operation center requirements.	As per RFP
737	SATYAM COMPUTERS		General		What is the userbase for this system?	As per RFP
738	SATYAM COMPUTERS		General		Is there an Open Source Strategy in place? If so, how is it defined? If not, how is Open Source Software appreciated?	As per RFP
739	SATYAM COMPUTERS		General		Which Portal, Application Server and Database Vendors are strategically preferred partners of Rajasthan Govt?	As per RFP
740	SATYAM COMPUTERS		General		The application looks like an expansion of the pilot. Will the client share the pilot application if contract is awarded?	As per RFP, will be discussed later with the successful bidder
741	SATYAM COMPUTERS		General		Please confirm if the hardware specs and platforms are recommendations only.	As per RFP
742	WIPRO		Insertion on New clause	Insertion on New clause	IGRS hereby agrees to make the site ready as per the agreed specifications, within the agreed timelines. IGRS agrees that Operator shall not be in any manner be liable for any delay arising out of IGRS's failure to make the site ready within the stipulated period, including but not limited to levy of liquidated damages for any delay in performance of Services under the terms of this Contract.	As per RFP
743	WIPRO		Insertion on New clause	Insertion on New clause	Neither party shall, in any event, regardless of the form of claim, be liable for (1) any indirect, special, punitive, exemplary, speculative or consequential damages, including, but not limited to, any loss of use, loss of data, business interruption, and loss of income or profits, irrespective of whether it had an advance notice of the possibility of any such damages; or (2) damages relating to any claim that arose more than one year before institution of adversarial proceedings thereon.	As per RFP
744	WIPRO		Insertion on New clause	Insertion on New clause	Deliverables will be deemed to be fully and finally accepted by IGRS in the event IGRS has not submitted such Deliverable Review Statement to Bidder before the expiration of the 15-day review period, or when IGRS uses the Deliverable in its business, whichever occurs earlier ("Deemed Acceptance").	As per RFP
745	WIPRO		Insertion on New clause	Insertion on New clause	Except for the foregoing warranties, Bidder excludes and disclaims all warranties, conditions or statements, whether express, implied or statutory, including, without limitation, the implied warranties or conditions of merchantability and / or fitness for any particular purpose	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
746	WIPRO		Insertion on New clause	Insertion on New clause	Each party owns, and will continue to own all rights, title and interests in and to any inventions however embodied, know how, works in any media, software, information, trade secrets, materials, property or proprietary interest that it owned prior to this Agreement, or that it created or acquired independently of its obligations pursuant to this Agreement (collectively, "Preexisting Works").	As per RFP
747	WIPRO		Insertion on New clause	Insertion on New clause	Bidder request insertion of following clause "Notwithstanding anything to the contrary elsewhere contained herein, the maximum liability of Operator's shall be, regardless of the form of claim, the consideration actually received by Operator during period of twelve (12) months immediately preceding the date claim first arose."	As per RFP
748	WIPRO		Insertion on New clause	Insertion on New clause	Parties agrees that during the term of this Agreement and for a period of one year thereafter, Parties will not directly or indirectly, recruit, hire, employ, engage, or discuss employment with other parties employee related to this project.	As per RFP
749	WIPRO		Insertion on New clause	Insertion on New clause	Any change in tax structure or Statutory amendment subsequent to submission resulted into any change in taxes ,duties shall be borne by customer	As per RFP
750	IBILT TECHNOLOGIES LTD.			Business Continuity and Disaster Recovery	Please provide the following details related to DR operations: 1. Where is DR site located? 2. Does DR need to have exact setup as in SDC in terms of software, server, storage and network? 3. What is acceptable maximum time lag in making DR operational in event SDC becomes un-operational? 4. Do SLAs also apply to DR?	No DR Site is required
751	IBM			Business Continuity and Disaster Recovery	Please provide the following details related to DR operations: 1. Where is DR site located? 2. Does DR need to have exact setup as in SDC in terms of software, server, storage and network? 3. What is acceptable maximum time lag in making DR operational in event SDC becomes un-operational? Do SLAs also apply to DR?	No DR Site is required

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
752	TULIP			Business Continuity and Disaster Recovery	Please provide the following details related to DR operations: 1. Where is DR site located? 2. Does DR need to have exact setup as in SDC in terms of software, server, storage and network? 3. What is acceptable maximum time lag in making DR operational in event SDC becomes un-operational? Do SLAs also apply to DR?	No DR Site is required
753	IBM			Content management related	Total No. of documents? Size of the documents in KB? Total no of Content users? Total no. of work items created per day? Average No. of workflow steps? Total number of hard copy old documents for digitization & what would be the regular volume for scanning? What would be the scan & digitization proces? Centralized or distributed? If distributed the what would be the total number of scan stations? Search would be based on only Anywhere Registration solution or other syndicated web sites?	As per RFP
754	WIPRO			General Clarifications	Please specify the total number of concurrent users?	Shall be decided during SRS Phase
755	WIPRO			General Clarifications	Number of Users during peak time	Shall be decided during SRS Phase
756	WIPRO			General Clarifications	Please specify if there is any security benchmarking or SLA for the IGRS application.	Shall be decided during SRS Phase
757	WIPRO			General Clarifications	Please specify the number of PKI certificate required.	As per RFP
758	WIPRO			General Clarifications	1. What is the average size of scanned document in KB? 2. What will be the maximum size of sheet that will be scanned? 3. Is there any OCR capability required in document scanning?	As per RFP
759	IBM			Mention of ".NET/Open Source" in various places in the document.	Mention of .NET/Open Source does not seem understandable. .NET is not an open source technology so it should not be spoken in synonymous terms. Many of the server technologies in the .NET platform are proprietary too. Even the communication protocols they follow. So, in some cases it may even be argued that not all the architectures followed in the .NET platform are open. J2EE though, is an open standard, open source, open specification and open architecture. Could you please clarify on this?	As per RFP

Query No.	Company Name	RFP Page No.	RFP Clause No.	Clause Details	Query/Suggestion/ Clarification	Response by the Dept.
760	IBM			Mention of ".NET/Open Source" in various places in the document.	Rather than open source, emphasis should be on open architectures. Which basically means seamless connectivity with any open standards conforming software system? Could you clarify as to why the emphasis is on open source as against the more generic concept of open architectures based on open standards?	As per RFP
761	SPANCO			No Specification for Part-Time SROs	Is there is any minimum backplane requirement for the same	Please refer to modified specifications
762	SPANCO			No specification of Intranet Router	Is there is any minimum backplane requirement for the same	Please refer to modified specifications
763	JUNIPER NETWORKS			RFP does not mention the specifications for the Edge routers.		Please refer to modified specifications
764	IBILT TECHNOLOGIES LTD.			State Data Center	What IT infrastructure will be provided at SDC, Jaipur?	All the required infrstructure (as per SDC's BOM) is available and shall be provided accordingly.
765	IBM			State Data Center	What IT infrastructure will be provided at SDC, Jaipur?	All the required infrstructure (as per SDC's BOM) is available and shall be provided accordingly.
766	TULIP			State Data Center	What IT infrastructure will be provided at SDC, Jaipur?	All the required infrstructure (as per SDC's BOM) is available and shall be provided accordingly.
767	ILFS				The time for submission may please be extended considering the project size is too big and quality needs to be addressed	Please refer the Corrigendum issued by the department dated 23/07/2008 and onwards
768	TCS				Please specify the required aggregation bandwidth at SDC for Internet Users. (Department Users)	As per RFP
769	TRIMAX				Note : By defining specific commercial and technical specification, the purpose of invitation of Tender is to be demolished as the purpose of invitation of tender is to get better quality of products at most competitive prices. Sir, the purpose of vide published NIT is to invite competition, not to reject competition. By specifying typical specific conditions not necessary a number of genuine competitive agencies have been denied to compete. The whole purpose of tender is not fully covered as many eligible agencies are devoid of competing. Therefore a free fair and equal competition is not achieved. Sir, it is requested to kindly consider the facts, so that ends of justice is achieved by equity consideration.	As per RFP