

Response to Queries Related to RFP for State Data Centre Project, Punjab

Sr No	RFP Vol/ Pg No.	RFP Clause / Section No.	Clarification Sought	Response from State
1	1/28	Section 4.1.2.	Supply/Installation	Please refer Section 9.5 Indicative Proposed Layout / Pg 222/ Vol 1
2	2/124	1.3.1.3 Technical Specifications – Electrical 1.3.1.3.1 UPS, Batteries and Accessories Brief description	<p>There will be 2 UPS system of 250KVA each in each BUS of the LT Panel. Each set of UPS in a BUS will have separate battery banks for 30 minutes backup on each on full loadUPS units (same power rating), operating in double-conversion mode (also called on-line mode); it shall be a VFI-type UPS (as per standard IEC 62040-2).and shall comprise the following components, described below in this specification:</p> <ul style="list-style-type: none"> • 6 pulse/12 Pulse/PWM rectifier with active/passive filter (if required) • battery charger; • inverter; • battery; • static bypass (via a static switch) for each UPS unit; manual maintenance bypass for each UPS unit user and communications interface; • battery management system; • any and all other devices required for safe operation and maintenance, including circuit breakers, switches, etc 	Please refer corrigendum
3	2/126		<p>Sizing and general characteristics:</p> <p>i. Technology The UPS shall be based on double conversion SCR/PWM rectifier and IGBT Inverter technology with built-in thermal monitoring and a high free-frequency chopping mode to dynamically optimise efficiency and power quality. Rating: The UPS system shall be sized to continuously supply a load of 80 kVA (min), at a load power factor (pf) of 0.9. It shall be made up of 2 UPS units in each BUS, each with an identical rating of 80 KVA.</p>	Please refer corrigendum
4	2/126		<p>ii. Battery backup time The backup time of each battery in the event of a normal AC source outage shall be 30 minutes per UPS (min 80KVA load with 0.9 load pf of resistive load) The service life of each battery shall be equal to at least 15 years. Batteries shall be selected and sized accordingly.</p>	Please refer corrigendum

5	2/127		<p>v. Limitation of harmonics upstream of the UPS system The UPS system shall not draw a level of harmonic currents that could disturb the upstream AC system, i.e. it shall comply with the stipulations of guide IEC 61000-3-4 (formerly IEC 1000 3-4). In particular, the UPS shall respect the following characteristics at the normal AC input: total harmonic current distortion (THDI) upstream of the rectifier not exceeding:</p> <ol style="list-style-type: none"> 1. 7% at full rated load for an computer grade load 2. input power factor (pf) greater than or equal to 0.92. 	Please refer corrigendum
6	/127		<p>To achieve the above, use of different kinds of rectifier, active or passive filters are acceptable. However the foot print of the UPS due to this should not vary by more than 15%. These performance levels, due to the “clean” input rectifier drawing sinusoidal current, limit upstream distortion and avoid oversizing of upstream equipment (cables, circuit breakers, etc.), without requiring additional filters.</p>	Please refer corrigendum
7	/127		<p>vi. Efficiency Overall efficiency of each UPS unit shall be greater than or equal to:</p> <ul style="list-style-type: none"> • 92% at full rated load in normal mode; • 90% at 50% rated load in normal mode; • 85% at quarter rated load <p>AC sources The UPS system shall be designed to receive power from the sources presented below.</p>	Please refer corrigendum
8	2/128		<p>i. Normal AC source (rectifier input) The normal AC source supplying the UPS shall, under normal operating conditions, have the following characteristics:</p> <ul style="list-style-type: none"> • rated voltage: 415V +10%, -15% at all load conditions • number of phases: 3 ph + earth. The neutral may or may not be necessary. • frequency: 50 Hz ± 6%. 	Please refer corrigendum

9	/	1.3.1.3.1 UPS, Batteries and Accessories	IGBT based technology is the most advanced UPS technology which can provide maximum efficiency. These kinds of technology will give maximum efficiency starting from 40% loading to 100% loading. And it avoids any kinds of passive filter ckt from the supply line. Requesting to change the spec as IGBT based UPS system instead of 6 pulse/12 Pulse/PWM rectifier with active/passive filter (if required)	Please refer corrigendum
10	/	1.3.1.3.1 UPS, Batteries and Accessories	Please replace this with "The UPS shall be based on double conversion IGBT based rectifier"	Please refer corrigendum
11	/	1.3.1.3.1 UPS, Batteries and Accessories	In the RFP Page no 124 asking "There will be 2 UPS system of 250KVA each in each BUS of the LT panels". And here it is saying 80 kVA identical rating. We suggest PSDC should look for a 160kVA modular UPS.	Please refer corrigendum
12	/	1.3.1.3.1 UPS, Batteries and Accessories	Please clarify the load on Phase wise. Bidder need to consider 250 kVA UPS with 30 min backup on Phase-1?.	Please refer corrigendum
13	/	1.3.1.3.1 UPS, Batteries and Accessories	For higher MTBF PSDC need to consider the Modular fault-tolerant UPS with hot swappable power, battery and inelegance module. Conventional UPS system is less reliable and having low MTBF.	Please refer corrigendum
14	/	1.3.1.3.1 UPS, Batteries and Accessories	IBGT rectifier based UPS is having high input PF which is closed to 0.99 and low THDI which is less than 5-6%. So Change these specks as per these information's. For achieving this, IGBT rectifier based UPS doesn't required any additional filters.	Please refer corrigendum
15	/	1.3.1.3.1 UPS, Batteries and Accessories	With IGBT based UPS can offer higher efficiencies. PSDE need to consider the high efficient UPS system because this will help PSDC to reduce the operating cost of Data Center. Please revise the spec as below which is a industry standard."Overall efficiency of each UPS unit shall be greater than or equal to: <ul style="list-style-type: none"> • 95% at full rated load in normal mode; • 94% at 50% rated load in normal mode; • 92% at quarter rated load" 	Please refer corrigendum
16	/	1.3.1.3.1 UPS, Batteries and Accessories	PSDE need to consider the modular hot swappable battery banks which is having the life time of 5-8 years and even these battery banks is having redundancy. Also PSDC can consider the lesser backup time such as 15 min on full load which is Data Center standard. 2 V Cells need more foot print than modular battery system.	Please refer corrigendum

17	/	1.3.1.11, 1.3.1.11.1 Precision Air Conditioning	We would like to recommend here to go with horizontal air flow cooling solution. Horizontal air flow OR closed couple cooling solution is the best in class technology available in the market today. Since the cooling units are closed to the heat load, overall efficiency of the HVAC can be improved drastically, hence the PUE too. More over the closed couple cooling solution is the proven technology in the market and known as future proof technology. Any kind of heat load variations due to IT refresh in coming years, (like addition of high density servers /blade solution/virtualization) can be take addressed by closed couple cooling solution, It is predictable , energy efficient & Blade ready.	As per RFP
18	/	1.3.1.11, 1.3.1.11.1 Precision Air Conditioning	Here we suggest to go with chilled water based units for better efficiency. Also Chilled water based cooling units with closed coupled indoor units can be connected with UPS system which will ensure the cooling still happening during the power failures.	As per RFP
19	/		Please confirm the aprox kW load on each rack along with nos of server racks and no of network rack etc.	We have considered 4.5 kva per rack
20	/		Design, manufacture, supply, Installation, testing & commissioning of server racks with 600mm (W) X 1200mm (D) X 1991mm (H) for server racks and . The unit shall conform to EIA-310 & 750mm (W) X 1200mm (D) X 1991mm (H) Shall support a static load of 1200KG. Regulatory Approvals: UL 60950 & EIA-310-E, Integrated electrical grounding, Facilitates overhead cable management , Castors and adjustable leveling feet etc	Due to constraint in the height the clear space available for the rack is less due to which 36U rack. Bidder to design the data centre accordingly. as per RFP
21	/		IP based, Zero U, (32A) metered PDU with 230V, (36) C13 & (06) C19 sockets and Temp & Hum sensor. Remote Management Capabilities - Full-featured network management interfaces that provide standards-based management via Web, SNMP, and Telnet. Allows users to access, configure, and manage units from remote locations or centralized monitoring solution. Local Current Monitoring Display-The aggregate current/kVA/kW draw per power distribution unit shall be displayed on the unit via a digital display. The local digital display shall helps installers avoid overloaded circuits by providing a visible warning when the current draw is close to the maximum amperage draw of the strip.	Please refer corrigendum
22	/		This tool will help the monitor and mange the DC from a single dash board.	BMS has already been asked in the RFP which is an integral part of part data centre. Bidder is free to propose a better solution.

23	/		This specification shall provide infrastructure management of the Uninterruptible Power System (UPS); Power Distribution Unit (PDU); Rack PDU (rPDU); Computer Room Air Conditioning (CRAC) Environmental Sensors from single dash board. DCIMS should able for Multi-vendor device support, Graphical trending analysis , Real-time monitoring, real time PUE etc.	BMS has already been asked in the RFP which is an integral part of part data centre. Bidder is free to propose a better solution.
24	NA/NA	NA	Kindly provide the below clarity :- 1: Distance of main panel /transformer suppose to provided by customer 2: Space alocation & distance for PAC out door condensors 3: Space alocation & distancefor Earth pits 4: Space alocation & distancefor DG sets & Fuel tanks	<ol style="list-style-type: none"> 1. The tentative place where the CSS would be setup has already been indicated in layout drawing. Bidder are requested to visit the site for more details. 2. ODU units can be placed outside the building and also on terrace of same block depending on the solution from the bidder. Whatever the premission required if any would the responsibility of the bidder. 3. Location for DG set's eartpits are already defined in the layout for other earthpits for server farm area, UPS and other electrical components etc in the area adjustent to CSS can be used. Bidder to define clearly earmark the no of earth pits & their location in solution proposed by the bidder. 4. The location of DG has already been provided in the layout. The bidder has to ensure the avalability of the Data centre as per the SLA.
25	NA/NA	NA	Kindly Provide layout & Single line diagrams in DWG format to better clarity of dimension & understanding	<p>Please refer Corrigendum.</p> <p>SDC layout (Indicative) will be prvided in AutoCad. Single line diagram (INDICATIVE) is already given in RFP. Bidder is expected to prepare a SLD for SDC.</p>
26	NA/NA	NA	It seems RFP BOQ should be differ (some where less & some where rise) the RFP . Kindly conform, how it would be measure on BOQ variation.	As per RFP
27	NA/NA	NA	DCO will provided single grid power supply or it would be a dual grid power supply	We are provisioning 1 no. of compact Sub-station (CSS) which is to be provided by State and 3 nos. of DG sets to be provided by bidder for feeding power to SDC.

28	NA/NA	NA	Capacity of main feeder/ transformer which is provided by customer	We are provisioning 630kva compact sub-station for feeding power to SDC
29	1/23	4.1 Design, Supply, Installation, and Commissioning Phase	How many floors does the infrastructure have	The SDC will be housed in a two storied building. Bidder is requested to visit SDC site for more details.
30	1/23	4.1 Design, Supply, Installation, and Commissioning Phase	Please let us know will the floor strengthening and water proofing required in basement and its wall in all areas OR only at the areas occupied by Panel and Batteries etc.	Please refer section 4.1 page no 23 Vol-I where the present load bearing capacity is already mentioned. The building would be handedover to the successful bidder in as is where is condition. It would be the bidder responsibility to ensure that the Data centre has the required load bearing capacity as per the RFP as well as Solution requirement.
31	1/23	4.1 Design, Supply, Installation, and Commissioning Phase	Request to share the Drawing of the Basement also since we need to Design the Panel and Baattery area	Please refer section 9.5, 9.6 & 9.7/ RFP Vol 1. We have an indicative layout for SDC sub-station, DG station including basement. Bidder is requested to visit SDC site and do required measurement & prepare a scaled drawing of basement for placement of electrical equipment to be installed in basement.
32	1/39	4.2.6 Physical Security Services	As per the technical details in Volume 11 the gas mentioned is NOVEC 1230 which is far superior gas. Kndly correct FM200 to NOVEC 1230 gas	Please refer corrigendum
33	1/39	4.2.6 Physical Security Services	In case of smoke or fire that may cause gas to be consumed, kindly clarify under whose purview will be the filling up of gas	Please refer corrigendum
34	1/221	9.4 Annexure III: Load Calculation Sheet	Is the number of UPS that has to be provided is 2 numbers OR 2 x 2 = 4 numbers	Please refer Corrigendum
35	1/221	9.4 Annexure III: Load Calculation Sheet	Does the supply of HT connections	State is provisioning a compact Sub-Station (CSS) for feeding power to SDC. Rest all would be the responsibility of the bidder.
36	1/222	9.5 Indicative Proposed SDC Layout	Request to give the Layout drawings in AutoCAD format	Please refer Corrigendum

37	1/222	9.5 Indicative Proposed SDC Layout	<p>Kindly confirm the following:</p> <ol style="list-style-type: none"> 1. Room: Size in terms of length x breadth x height (between the floor and bottom of the beam). 2. Height between the floor and bottom of the ceiling. 3. Beam: Height of the beam 	<p>Please refer Corrigendum</p> <p>Please refer Sectional view in SDC layout already given in the RFP. Bidder is requested to visit SDC site for more Clarity for all these clarification. Autocad Drawing will be provided. Please refer corrigendum</p>
38	1/223	9.6 Indicative Layout Plan for Main Sub-station and DG Station	Request to give the Layout drawings in AutoCAD format	<p>Please refer Corrigendum</p> <p>For Clarity about dimension bidder is expected to visit SDC layout and do all the measurement properly.</p> <p>Autocad Drawing will be provided. Please refer corrigendum</p>
39	1/224	9.7 Annexure V: Tentative Indicative Single Line Diagram (Electrical)	Request to give the SLD in AutoCAD format	<p>Please refer Section 9.7/ Pg 224 / RFP Vol 1.</p> <p>Bidder is expected to prepare a SLD for SDC.</p>
40	2/140	1.3.1.4 Technical Specification – Diesel Generating Sets	Kindly confirm the number of grids supplying power	We are provisioning 1 no. of compact Sub-station (CSS) which is to be provided by State and 3 nos. of DG sets to be provided by bidder for feeding power to SDC.
41	2/140	1.3.1.4 Technical Specification – Diesel Generating Sets	<p>What is the distance between the DG Set and the Panel. Will scope trenching between the DG set and the Panel will be on the vendor's scope OR that of the customers.</p> <p>Also confirm on the distance of the trench work (if applicable)</p>	Bidder is requested to do all Due Diligence regarding measurement etc. Connectivity between DG sets and main LT panel will be done by the DCO.
42	2/140	1.3.1.4 Technical Specification – Diesel Generating Sets	Consumable items like Diesel Fuel, Oils and fuel filter, bulbs not comes under warranty and will have to be replaced or procured as an when required. Hence request department to consider the same in their scope	Kindly refer Section 4.2.17 & 4.2.18.

43	2/140	1.3.1.4 Technical Specification – Diesel Generating Sets	Scope does not clear about tapping point of raw power from Transformer or scope start point for electrical setup. Does SDC provide transformer tapping point for the Data Center panel? Kindly confirm	We have 1 no. of compact Sub-station (CSS) and the tentative placement has already been indicated in layout drawing. It would be the responsibility of the bidder for ensuring quality power to the SDC from CSS. All related work is bidder's responsibility.
44	2/195	1.3.1.11 Technical Specifications – Air Conditioning	Please confirm if there is fresh water supply for the PAC units, close by	Water connection is already available in the building it would be the bidder responsibility to ensure the required quality water as per the requirement of the bidder is available for the SDC. All related works for ensuring availability of water at SDC would be bidder responsibility
45	2/195	1.3.1.11 Technical Specifications – Air Conditioning	Kindly confirm where do we place the Outdoor Units of the AC	ODU units can be placed outside the building and also on terrace of same block depending on the solution from the bidder. Whatever the permission required if any would the responsibility of the bidder.
46	2/198	1.3.1.11.2 Technical Specifications – Comfort AC	For Comfort AC, we would request you to kindly change the following as this would treat all OEM's equally: 1. Compressor – Hermetically Sealed Scroll Type OR Rotary / Scroll Type	. Compressor – Hermetically Sealed Scroll Type OR Rotary / Scroll Type
47	2/262	1.3.1.14 Access ControlSystem	Requesting to change to UL/EN/CE STANDRAD	Please refer corrigendum
48	2/262	1.3.1.14 Access ControlSystem	Requesting to change to 4 door controllers	As per RFP
49	2/262	1.3.1.14 Access ControlSystem	Requesting to delete this point	As per RFP
50	2/262	1.3.1.14 Access ControlSystem	Requesting to modify this clause	As per RFP
51	2/262	1.3.1.14 Access ControlSystem	Requesting to modify this clause	As per RFP

52	2/295	Specification of Server Racks:	Please modify to "Floor Standing Rack Server Rack - 42U / 600W / 1000D, with Heavy Duty Extruded Aluminium Frame for rigidity."	In the view of height constraint at SDC site we are considering customize rack of 36U to create clear height between FC and top of the rack for free return air flow. Bidder to design solution accordingly. As per RFP
53	2/113			Please refer corrigendum
54	2/113			Please refer corrigendum
55	2/113			Please refer corrigendum
56	2/113			Please refer corrigendum
57	2/86	1.2.4	The tool must support heterogeneous Flow monitoring and traffic analysis for any of technology vendors like NetFlow, J-Flow, sFlow, Net-stream, IPFIX technologies.	Please refer corrigendum
58	2/86	1.2.4	The proposed traffic analysis system must be capable of automatically detecting anomalous behavior such as virus attacks or unauthorized application behavior. The system should analyze all NetFlow traffic and alert via SNMP trap and syslog of any suspicious activity on the network and send it to central network console.	Please refer corrigendum
59	2/86	1.2.4	Rate,Utilization,Byte Count,Flow Count,IP hosts with automatic DNS resolution,IP conversation pairs with automatic DNS resolution,Router/interface with automatic SNMP name resolution,Protocol breakdown by host, link, ToS or conversation,Utilization by bit pattern matching of the TCP ToS field,AS number,BGP next hop address,IPv6 addresses	Please refer corrigendum
60	2/87	1.2.4	All custom reports from the long term database must support the ability to be run manually or scheduled to run automatically at user selectable intervals.	Please refer corrigendum

61	2/87	1.2.4	Search for any traffic using a specific configurable destination port, or port range, autonomous system (AS) number, BGP next hop IP address, ToS bit, clients or servers that are experiencing more than a specified number of TCP resets per hour, IPv4 or IPv6 conversation bad IP Header, unreachable destination, TTL expired, traceroute requests, MAC addresses, TCP flags, VLAN.	Please refer corrigendum
62	2/88	1.2.4	The overview page must include an email function that provides a GUI driven method for emailing the page in PDF format as well as for scheduling the email of this page at regular intervals without user intervention to one or more recipients.	Please refer corrigendum
63	2/88	1.2.4	The system must support interface specific report generation for every monitored interface in the network. It must provide menu or GUI driven access from the main system page that allows users to select from the automatically generated interface list and navigate to interface specific information.	Please refer corrigendum
64	2/88	1.2.4	The user must be able to easily change the data type of the main interface view from protocol specific to a single graphical representation of utilization over multiple points in a 24 hour day as compared to all other similar points in the days in that month.	Please refer corrigendum
65	2/88	1.2.4	Identifying unauthorized or incorrectly configured server activity	Please refer corrigendum
66	2/88	1.2.4	Alerting on unauthorized application deployments	Please refer corrigendum
67	2/88	1.2.4	Identifying network misconfigurations, such as routing loops and inaccessible network sources	Please refer corrigendum
68	2/93	1.2.4 SDC EMS Architecture	This should be removed from EMS.	Please refer corrigendum
69	2/95	1.2.4 SDC EMS Architecture	This should be removed from EMS.	Please refer corrigendum
70	2/85	1.2.4	Are you looking for the Health Check of the EMS implementation through the EMS OEM to ensure that implementation has been done as per the requirements specified in RFP ?	As per RFP. Minimum has been specified. Bidder is free to propose a better solution
71	2/86	1.2.4 SDC EMS Architecture	This should be removed from EMS.	Please refer corrigendum

72	2/93	1.2.4 SDC EMS Architecture	requesting it to modify as below: Proposed helpdesk must be certified on atleast 10 ITIL v3 processes by certifying agencies like pink elephant.	Please refer corrigendum
73	2/93	1.2.4 SDC EMS Architecture	This should be removed from EMS.	Please refer corrigendum
74	2/93	1.2.4 SDC EMS Architecture	This should be removed from EMS.	Please refer corrigendum
75	2/85	1.2.4 SDC EMS Architecture - (b) Performance Management	It talks about Integration with the existing olution. Can you please specify to what extent the integration is required. We would also like to know the products and their version already existed.	Please refer corrigendum
76	2/88	1.2.4 SDC EMS Architecture - Datacenter Network Traffic Analysis System	Are we talking about Hardware device or Software? For the netflow collection device is the minimum flows per minute are the deciding factor or can vary?	Please refer corrigendum
77	2/89	1.2.4 SDC EMS Architecture - Server & Database Performance Management System	It talks about Integration with the existing olution. Can you please specify to what extent the integration is required. We would also like to know the products and their version already existed.	Please refer corrigendum
78	2/90	1.2.4 - (c).Application Performance Management	It talks about Integration with the existing olution. Can you please specify to what extent the integration is required. We would also like to know the products and their version already existed.	Please refer corrigendum
79	2/92	1.2.4 - d.)Helpdesk Management System	Could you explain what is meant by web interface for incident closure?	As per RFP
80	2/93	1.2.4 - (d.)Helpdesk Management System	Can you please explain drag and drop functionality with non-linear approach?	Please refer corrigendum
81	2/93	1.2.4 - (d.)Helpdesk Management System	Request you to kindly clarify the criteria for chosing the particular number of CI?	Please refer corrigendum
82	2/94	EMS Integration Points	Can you please illustrate, as we do not forsee any such scenario where ticket needs to be raised for an asset which does not exist in the helpdesk database.	Please refer corrigendum
83	2/94	EMS Integration Points	Is automatic detection and remediation a requirement?	As per RFP
84	2/94	1.2.4 - (d.)Host-based OS Access Control System &	NTFS is the most secure file system than legacy FAT & CDFS . Securing with NTFS to be considered rather than other applying protection system	Please refer corrigendum
85	2/96	EMS Integration Points - Host-based OS Access Control System	NTFS is the most secure file system than legacy FAT & CDFS . Securing with NTFS to be considered rather than other applying protection system	Please refer corrigendum

86	2/93	1.2.4 - (d.)Helpdesk Management System	Need more clarification on the certification authority Pink Elephant as it does not appear as approved certifying body by any state or central department	Please refer corrigendum
87	2/54		Please explain what do we mean by " Monitoring through EMS will be free for thr entire DC space."	As per RFP
88	2/85	(b.)Performance Management	What do we mean by Extended Performance Management console because as per the RFP, there will be a proposed Network Performance Mangement System.	Please refer corrigendum
89	2/85	(b.)Performance Management	What do we mean by Extended NMS consoles as there will be a fresh NMS proposed as per the RFP, then why is extended term used in EMS specs.	Please refer corrigendum
90	2/86	(i) Datacenter Network Traffic Analysis System	Do we have Net-stream data flow technology in the customer environment to be mirrored for network traffic analysis ? Pls clarify if Net-stream needs to be monitored.	Please refer corrigendum
91	2/86	(i) Datacenter Network Traffic Analysis System	These functionalities are specific to security portfolio & hence forms part of the SOC solution. Request these requirements to be removed from EMS section and included as part of "Punjab SDC Security Framework" specifications or should form part of FMS services.	Please refer corrigendum
92	2/86	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the properietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
93	2/86	(i) Datacenter Network Traffic Analysis System	AS number, BGP next hop, TCP ToS field details are not provided by traditional network monitoring softwares. Moreover, Punjab SDC intends to establish a Datacenter management system & hence such network intensive research is not required & thus should be removed from the specifications.	Please refer corrigendum
94	2/87	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the properietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
95	2/87	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the properietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
96	2/87	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the properietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum

97	2/87	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the proprietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
98	2/87	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the proprietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
99	2/87	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the proprietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
100	2/88	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the proprietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
101	2/88	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the proprietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
102	2/88	(i) Datacenter Network Traffic Analysis System	This clause is again vendor-driven as the proprietary parameters for traffic analysis asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
103	2/88	(i) Datacenter Network Traffic Analysis System	These functionalities are specific to security portfolio & hence forms part of the SOC solution. Request these requirements to be removed from EMS section and included as part of "Punjab SDC Security Framework" specifications or should form part of FMS services.	Please refer corrigendum
104	2/89	(iii) Server & Database Performance Management System	Why are we looking for integration with existing NMS ? Since, this is a fresh RFP with specific requirements which will be executed by a successful bidder, hence why are we intending to create a data pipe with existing suite as it again helps in favoring a single OEM and also it ends the road for any industry recognized EMS product (IBM, HP, BMC) to bid for the tender.	Please refer corrigendum

105	2/91	(c).Application Performance Management	This clause is again vendor-driven as the proprietary appliance based system asked is from a single vendor only, hence such terminology shall be removed from the RFP.	Please refer corrigendum
106	2/92	(d.)Helpdesk Management System	Why are we looking for integration with existing helpdesk ? Since, this is a fresh RFP with specific requirements which will be executed by a successful bidder, hence why are we intending to create a data pipe with existing suite & view the SLA & resolution of existing SI at SDC.	Please refer corrigendum
107	2/93	(d.)Helpdesk Management System	Remote Control is a feature available embedded inside operating system by OEM which is benchmarked, protected by OS security, vulnerable & hardened; as a out-of-box function thus shall not be asked in EMS separately, pls remove this. Also this specific feature is vendor specific. This is suggested in interest of controlling the cost & TCO of project. Hence requesting you to remove this.	Please refer corrigendum
108	2/93	(d.)Helpdesk Management System	Remote Control is a feature available embedded inside operating system by OEM which is benchmarked, protected by OS security, vulnerable & hardened; as a out-of-box function thus shall not be asked in EMS separately, pls remove this. Also this specific feature is vendor specific. This is suggested in interest of controlling the cost & TCO of project. Hence requesting you to remove this.	Please refer corrigendum
109	2/93	(d.)Helpdesk Management System	The official certifying authority for ITIL has certified at a maximum of 10 processes for ITSM so far, so we request you to modify by a count of 10. The official ITIL website do not certify any ITSM tool for 14 processes; hence request you not to consider any third party agency as a certifying authority for ITSM.	Please refer corrigendum
110	2/93	(e).Host based Access Control for securing critical datacenter servers	These functionalities are specific to security portfolio & hence forms part of the SOC solution. Request these requirements to be removed from EMS section and included as part of "Punjab SDC Security Framework" specifications or should form part of FMS services.	Please refer corrigendum
111	2/95	EMS Integration Points	This again helps in favoring to a single OEM and also it ends the road for any industry recognized EMS product (IBM, HP, BMC) to bid for the tender. Why are we looking for integration with existing NMS ? Since, this is a fresh RFP with specific requirements which will be executed by a successful bidder, hence why are we intending to create a data pipe with existing suite & perform customisations & integrations after seeking approval from the existing SI.	Please refer corrigendum

112	2/105	Service Provisioning Capabilities	This again helps in favoring a single OEM and also it ends the road for any industry recognized EMS product (IBM, HP, BMC) to bid for the tender. This binds the SI to go with the existing OEM only for EMS as well as Cloud environment, thus the specs are not open for competitive bidding.	Please refer corrigendum
113	2/85	1.2.4	Our submission is to please rephrase the clause as "Perfromance Management System must monitor performance management across key parts of the PUNJAB SDC infrastructure.Extended performance management console will be provided to bidder .Bidder must integrate network & server alarms in a single console and also provide reporting interface for network ,server & database components at SDC."	Please refer corrigendum
114	2/93	1.2.4		Please refer corrigendum
115	2/86	1.2.4	Our submission is to remove Net-Stream and rephrase the clause as "The tool must support hetrogeneous Flow monitoring and traffic analysis for any of technology vendors like NetFlow, J-Flow, sFlow, IPFIX technologies."	Please refer corrigendum
116	2/86	1.2.4	Our submission is to rephrase the clause as "The proposed traffic analysis system should detect anomalous behavior and analyze all NetFlow traffic and alert via SNMP trap & Email on the network and send it to central network console"	Please refer corrigendum
117	2/86	1.2.4	Our submission is to rephrase the clause as "Rate,Utilization,Byte Count,Flow (TCP flags based on Packet Count) Count,IP hosts with manual DNS resolution, IP conversation pairs with manual DNS resolution, automatic IP/Hostname resolution using DHCP logs, Router/interface with automatic SNMP name resolution,Protocol breakdown by host, link, ToS or conversation, packet counts by bit pattern matching of the TCP ToS field, AS number.."	Please refer corrigendum
118	2/87	1.2.4	Our submission is to rephrase the clause as "All custom reports from the long term database must support the ability to be run manually at user selectable intervals"	Please refer corrigendum
119	2/87	1.2.4	Our submission is to rephrase the clause as "Filter for any traffic IPaddress, IP range , Protocols, TCP flags, AS Number, ToS,"	Please refer corrigendum

120	2/88	1.2.4	Our submission is to rephrase the clause as "The overview page must include an report generation function that provides a GUI driven method for generating the page manually in PDF/Excel format "	Please refer corrigendum
121	2/88	1.2.4	Our submission is to rephrase the clause as "The system must support interface specific report generation for every monitored interface in the network. It must provide menu or GUI driven access from the main system page that allows users to select from the automatically generated interface list and navigate to interface specific information."	Please refer corrigendum
122	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
123	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
124	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
125	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
126	2/89	1.2.4	Our submission is to please rephrase the clause as " All collected performance information for monitored servers must be stored in Performance Monitoring database.Bidder has to provide monitored network, server & database alarms into central event console."	Please refer corrigendum
127	2/89	1.2.4	Our submission is to rephrase the clause as " Bidder should integrate Database performance monitoring solution such that events from monitored databased must be forwarded to central event console in order to view database specific alarms. It should also provide the facility to run performance reporting from respective EMS consoles."	Please refer corrigendum
128	2/90	1.2.4	Our submission is to remove this clause.	Please refer corrigendum
129	2/91	1.2.4	Our submission is to rephrase the clause as " The proposed system must be able to proactively determine exactly which real users were impacted by transaction defects"	Please refer corrigendum
130	2/91	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum

131	2/92	1.2.4	Our submission is to remove this clause allowing all bidders to propose their COTS helpdesk tool.	Please refer corrigendum
132	2/92	1.2.4	Our submission is to remove the numbers that's been asked as CMDB will be built depending upon the IT infrastructure within the SDC. Please rephrase the clause as " The proposed helpdesk solution must have an integrated CMDB for better configuration management & change management process. Both Service Desk & CMDB should have same login window."	Please refer corrigendum
133	2/93	1.2.4	Please rephrase the clause as " Proposed helpdesk must be certified on atleast 12 ITIL processes by certifying agencies like pink elephant."	Please refer corrigendum
134	2/95	1.2.4	Our request is to remove this clause	Please refer corrigendum
135	2/95	1.2.4	Our submission is to either rephrase this clause as "The change manager (approver role) must have the ability to view the proposed change .Once the change request is approved the admin is automatically notified and is able to proceed with the change."	Please refer corrigendum
136	2/95	1.2.4	Please rephrase the clause as " Helpdesk ticket number created for associated alarm should be visible inside Network Operation Console . Helpdesk incident can be launched once clicked on ticket number/ alarm with in Network Operation Conole."	Please refer corrigendum

137	2/95	1.2.4	Our submission is to remove this clause as EMS, NMS, Helpdesk are part of the RFP for SDC and will be sufficient to monitor SDC IT infrastructure and applications.	Please refer corrigendum
138	2/105		<p>Since the last point within the clause is contradicting with itself our submission is to remove this portion from the specification thus rephrasing the clause as "The Solution should have self-service capabilities to allow Users Departments to log service requests - in SDC</p> <p>The Solution should use cloud helpdesk for logging call and maintaining escalation and in addition provide integration with existing helpdesk for maintaining record"</p>	Please refer corrigendum
139	2/107		Our submission is to remove this clause.	Please refer corrigendum
140	2/109		What does two of the mentioned modelling scenarios mean: Virtual to SDC private Cloud, and Test to Production, please elaborate.	Please refer corrigendum
141	2/110		As you are yet to procure the EMS solution for SDC our submission is to remove this clause.	Please refer corrigendum
142	2/110		As you are yet to procure the EMS solution for SDC and anyway cloud solution itself provides the capability to manage & monitor virtual machines; our submission is to remove this clause.	Please refer corrigendum
143	2/106		Within the cloud functional requirements lot of emphasis is on automated provisioning & lifecycle management. Do you want that the proposed cloud solution should be capable of fully automating the deployment and lifecycle management of cloud services across resources, workloads and services? Please confirm.	Please refer corrigendum

144	2/106		Within the cloud functional requirement specifications lot of emphasis is on self service portal, automated provisioning & lifecycle management. Do you want that the proposed cloud solution should be capable of sending automated email notification (providing integration with mailing solution available) with status for completion; and extensible for escalation, approval, or any status. Also, do you want that the system should be capable to send access credentials (username, password, IP, URLs) emailed to requestor when deployment of stack is complete? Please confirm.	Please refer corrigendum
145	2/86	1.2.4	Our submission is to remove Net-Stream and rephrase the clause as "The tool must support heterogeneous Flow monitoring and traffic analysis for any of technology vendors like NetFlow, J-Flow, sFlow, IPFIX technologies."	Please refer corrigendum
146	2/86	1.2.4	Our submission is to rephrase the clause as "The proposed traffic analysis system should detect anomalous behavior and analyze all NetFlow traffic and alert via SNMP trap & Email on the network and send it to central network console"	Please refer corrigendum
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148	2/87	1.2.4	Our submission is to rephrase the clause as "All custom reports from the long term database must support the ability to be run manually at user selectable intervals"	Please refer corrigendum
149	2/87	1.2.4	Our submission is to rephrase the clause as "Filter for any traffic IPaddress, IP range , Protocols, TCP flags, AS Number, ToS,"	Please refer corrigendum
150	2/88	1.2.4	Our submission is to rephrase the clause as "The overview page must include an report generation function that provides a GUI driven method for generating the page manually in PDF/Excel format "	Please refer corrigendum
151	2/88	1.2.4	Our submission is to rephrase the clause as "The system must support interface specific report generation for every monitored interface in the network. It must provide menu or GUI driven access from the main system page that allows users to select from the automatically generated interface list and navigate to interface specific information."	Please refer corrigendum

152	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
153	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
154	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
155	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
156	2/95	1.2.4	Our request is to remove this clause	Please refer corrigendum
157	2/95	1.2.4	Our submission is to either rephrase this clause as "The change manager (approver role) must have the ability to view the proposed change .Once the change request is approved the admin is automatically notified and is able to proceed with the change."	Please refer corrigendum
158	2/95	1.2.4	Please rephrase the clause as " Helpdesk ticket number created for associated alarm should be visible inside Network Operation Console . Helpdesk incident can be launched once clicked on ticket number/ alarm with in Network Operation Conole."	Please refer corrigendum
159	2/95	1.2.4	Our submission is to remove this clause as EMS, NMS, Helpdesk are part of the RFP for SDC and will be sufficient to monitor SDC IT infrastructure and applications.	Please refer corrigendum

160	2/95	1.2.4 SDC EMS Architecture EMS Integration Points	please provide the technical Bill of material and deployment architecture with hardware sizing for existing EMS Solution.	Please refer corrigendum
161	2/85	1.2.4 SDC EMS Architecture - (b) Performance Management	It talks about Integration with the existing solution. Can you please specify to what extent the integration is required. We would also like to know the products and their version already existed.	Please refer corrigendum
162	2/88	1.2.4 SDC EMS Architecture - Datacenter Network Traffic Analysis System	Are we talking about Hardware device or Software? For the netflow collection device is the minimum flows per minute are the deciding factor or can vary?	Please refer corrigendum
163	2/89	1.2.4 SDC EMS Architecture - Server & Database Performance Management System	It talks about Integration with the existing solution. Can you please specify to what extent the integration is required. We would also like to know the products and their version already existed.	Please refer corrigendum
164	2/90	1.2.4 - (c).Application Performance Management	It talks about Integration with the existing solution. Can you please specify to what extent the integration is required. We would also like to know the products and their version already existed.	Please refer corrigendum
165	2/92	1.2.4 - d.)Helpdesk Management System	Could you explain what is meant by web interface for incident closure?	As per RFP
166	2/93	1.2.4 - (d.)Helpdesk Management System	Can you please explain drag and drop functionality with non-linear approach?	Please refer corrigendum
167	2/93	1.2.4 - (d.)Helpdesk Management System	Request you to kindly clarify the criteria for choosing the particular number of CI?	Please refer corrigendum
168	2/94	EMS Integration Points	Can you please illustrate, as we do not foresee any such scenario where ticket needs to be raised for an asset which does not exist in the helpdesk database.	Please refer corrigendum
169	2/94	EMS Integration Points	Is automatic detection and remediation a requirement?	As per RFP

170	2/94	1.2.4 - (d.)Host-based OS Access Control System &	NTFS is the most secure file system than legacy FAT & CDFS . Securing with NTFS to be considered rather than other applying protection system	Please refer corrigendum
171	2/96	EMS Integration Points - Host-based OS Access Control System	NTFS is the most secure file system than legacy FAT & CDFS . Securing with NTFS to be considered rather than other applying protection system	Please refer corrigendum
172	2/93	1.2.4 - (d.)Helpdesk Management System	Need more clarification on the certification authority Pink Elephant as it does not appear as approved certifying body by any state or central department	Please refer corrigendum
173	2/85	1.2.4	Are you looking for the Health Check of the EMS implementation through the EMS OEM to ensure that implementation has been done as per the requirements specified in RFP ?	As per RFP. Minimum has been specified. Bidder is free to propose a better solution
174	2/16, 21, 26, 29, 39, 47, 53, 56	1.2.2.2.1 - Point 4; 1.2.2.3.1 - Point 3; 1.2.2.4.1 - Point 3; 1.2.2.5.1 - Point 4, 12.2.6.4 - Point 3, 1.2.2.7.3 - Point 3, 1.2.2.8.2 - Point 3; 1.2.2.9.2 - Point 3	Please amend this to : Std. compliances req.- UL, & RoHS	As per RFP
175	2/113		Do you want the incident management module to integrate with CMDB for better view of the incidents. Ex- Incidnets by application/facility?	As per RFP & Solution requirement
176	1/27	D. Security	How the auditing of hetrogeneous databases is being done is not very clear in the overall rfp, please share details on the same.	DCO has to ensure that, "All the system logs should be properly stored & archived for future analysis and forensics whenever desired." The process of auditing will depend on the incident and auditors methodolgy.
177	2/16, 21, 26, 29, 39, 47, 53, 56	1.2.2.2.1 - Point 4; 1.2.2.3.1 - Point 3; 1.2.2.4.1 - Point 3; 1.2.2.5.1 - Point 4, 12.2.6.4 - Point 3, 1.2.2.7.3 - Point 3, 1.2.2.8.2 - Point 3; 1.2.2.9.2 - Point 3	Please amend this to : Std. compliances req.- UL, & RoHS	As per RFP
178	2/50	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 3	Need clarification	Proposed solution should comply with RFP requirement.
179	2/50	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 10	Requesting you to kindly remove this clause	Proposed solution should comply with RFP requirement.

180	2/51	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 16	Requesting you kindly remove this clause	Proposed solution should comply with RFP requirement.
181	2/51	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 18		Proposed solution should comply with RFP requirement.
182	2/51	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 19		Proposed solution should comply with RFP requirement.
183	1/31	Section 4.1.5	All the training material and other associated expenses shall be borne by the bidder. Does this mean that the bidder has to setup infrastructure for training also?	Training details is provided in the RFP vol 1 under section 4.1.5/ Pg 32. Hence whatever infrastructure and material is required to conduct that training has to be provided by bidder.
184	1/32	Section 4.1.5	There is discrepancy in the number of people to be trained and the duration of training. Kindly confirm whether the number of trainees are 15 or 20 and whether the duration is one week or two weeks	Please refer corrigendum
185	1/40	Section 4.2.9, Point d.	Is the bidder responsible for payment of recurring expenses for the dedicated telephone numbers or the government?	DCO will be responsible for payment of recurring expenses for the dedicated telephone numbers
186	1/60	Section 4.7.1	Request to modify the experience required for project manager from "3 years experience in managing mid-sized data center" to "3 years experience in IT system integration"	Please refer corrigendum
187	1/60	Section 4.7.1	Please clarify whether the additional manpower mentioned under column 6 will be deployed from the beginning of the project or when there is a requirement for expansion	Please refer corrigendum
188	1/248	13,14-a	Please clarify authorisation need to submit by the OEM or Bidder?	Please refer corrigendum
189	1/248	13,14-b	Please clarify what the table refer to .Please confirm what needs to be written in the following sections :- -Authorization ? -Operation Validity ?	Please use Format 14 - Authorization Certificate mentioned under section 8.14/ RFP Vol 1/ Pg 212.
190	1/187	7.44.28	Where as in page 248,vol 1point D is written as :-Undertaking from OEM that products quoted are not end of life products and support including spares, patches for the quoted products shall be available for next 6 years.Please clarify declaration of end of sale needed for 6 or 2 years?	Product shall not be: End of sale for 2 years from the Bid Submission date
191	1/109	6.17.1 Modified Technical Evaluation Criteria	Kindly amend Bidder with maximum years of experience(maximum capped to 5 years)	As per RFP

192	1/12	Section II Eligibility Criteria	Please allow data center project for last five (5) yeas.	As per RFP
193	1/103	6.7.1 Pre-Qualification Eligibility Criteria	Kindly allow EMD in the form of Bank Guarantee as well and please provide the format for the same	As per RFP
194	1/12	Section II Eligibility Criteria	Can prime bidder form a consortium with partners which are having ISO 20000, 27000, BS25999,TIER4, ITIL but not ISO 9001:2000 certification.	As per RFP
195	2/85	1.2.4	Our submission is to please rephrase the clause as "Perfromance Management System must monitor performance management across key parts of the PUNJAB SDC infrastructure.Extended performance management console will be provided to bidder .Bidder must integrate network & server alarms in a single console and also provide reporting interface for network ,server & database components at SDC."	Please refer corrigendum
196	2/92	1.2.4	Our submission is to remove this clause allowing all bidders to propose their COTS helpdesk tool.	Please refer corrigendum
197	2/92	1.2.4	Our submission is to remove the numbers that's been asked as CMDB will be built depending upon the IT infrastructure within the SDC. Please rephrase the clause as " The proposed helpdesk solution must have an integrated CMDB for better configuration management & change management process. Both Service Desk & CMDB should have same login window."	Please refer corrigendum
198	2/93	1.2.4	Please rephrase the clause as " Proposed helpdesk must be certified on atleast 12 ITIL processes by certifying agencies like pink elephant."	Please refer corrigendum

199	2/105		<p>Since the last point within the clause is contradicting with itself our submission is to remove this portion from the specification thus rephrasing the clause as "The Solution should have self-service capabilities to allow Users Departments to log service requests - in SDC</p> <p>The Solution should use cloud helpdesk for logging call and maintaining escalation and in addition provide integration with existing helpdesk for maintaining record"</p>	Please refer corrigendum
200	2/107		Our submission is to remove this clause.	Please refer corrigendum
201	2/109		What does two of the mentioned modelling scenarios mean: Virtual to SDC private Cloud, and Test to Production, please elaborate.	Please refer corrigendum
202	2/110		As you are yet to procure the EMS solution for SDC our submission is to remove this clause.	Please refer corrigendum
203	2/110		As you are yet to procure the EMS solution for SDC and anyway cloud solution itself provides the capability to manage & monitor virtual machines; our submission is to remove this clause.	Please refer corrigendum
204	2/106		Within the cloud functional requirements lot of emphasis is on automated provisioning & lifecycle management. Do you want that the proposed cloud solution should be capable of fully automating the deployment and lifecycle management of cloud services across resources, workloads and services? Please confirm.	Please refer corrigendum
205	2/106		Within the cloud functional requirement specifications lot of emphasis is on self service portal, automated provisioning & lifecycle management. Do you want that the proposed cloud solution should be capable of sending automated email notification (providing integration with mailing solution available) with status for completion; and extensible for escalation, approval, or any status. Also, do you want that the system should be capable to send access credentials (username, password, IP, URLs) emailed to requestor when deployment of stack is complete? Please confirm.	Please refer corrigendum

206	2/101	1.2.6.1	There are clauses under cloud functional requirement specifications which cover Virtual Machine/ image provisioning. However from SDC solution perspective Physical Server provisioning is equally important. Apart from virtual machine provisioning do you want Physical server provisioning as well? Please confirm.	As per RFP
207	1/			No query mentioned
208	1/8	Clause 1.4, Terms of Reference	Request to allow EMD in the form of a Bank Guarantee besides DD	As per RFP
209	1/17	Clause 8, Eligibility Criteria	To evaluate the Bidders Financial capability to execute the project, we request the Authority to increase the Net worth CAP to INR 100 Cr & Turnover CAP to INR 500 Cr.	As per RFP
210	1/55	4.5.2, Sr. No. 16	Considering that the clearances my require interfacing with other government entities, we request these approvals and clearances to be provided by the department to the DCO	As per RFP
211	1/43	4.2.15	We Request you to clarify that is the DCO Responsible for hosting of the Applications in the SDC OR The scope of work for the DCO is only to facilitate the User Departments to Host their respective Applications in the SDC.	DCO has to facilitate the User Department for hosting the applications. Also DCO needs to do the vulnerability testing of the application and confirm that the application is of non pervasive / nondestructive nature to SDC.
212	1/43	4.2.15	Does the DCO need to provide any kind of Application Enhancements to the Applications that would be hosted in the SDC? If yes to what extent? (OR) is it the scope of the respective user departments	As per RFP
213	1/109	6.17.1, Sr. No A1	The criteria for evaluation is to check the experience and expertise of the bidder in implementing and maintaining of Data Centres for various customers. Hence for evaluation, We request that Bidders Internal Data Centres should not be considered for evaluation.	As per RFP
214	1/110	6.17.1, Sr. No A IV	We request that projects within last 5 financial years be considered	As per RFP

215	1/104	6.9	<p>We recommend the clause to be added in the reference clause as follows:</p> <p>Prices quoted in the bid must be firm and final and shall not be subject to any upward modifications, on any account whatsoever. However if In case any national or state statute or any local law or regulation or by-law of any duly constituted authority is changed or comes into force which results in extra costs/tax in relation to the provision of the goods/ Services, the consequential effect shall be to the account of the Punjab State EGovernance Society and the same shall be borne by the Punjab State EGovernance Society. The Bid Prices shall be indicated in Indian Rupees (INR) only.</p>	<p>As per RFP.</p> <p>Clarification: Also refer Section 7.44.31 / Pg 189 / Pt 12 / RFP Vol 1</p>
216	1/167	7.26.3	<p>We recommend the clause to be added in the reference clause as follows:Change of Size/Quantities</p> <p>The Punjab State EGovernance Society will have the option to increase or decrease the size/ quantity of the dedicated and exclusive Data Centre space as well as the Non-Data Centre space and the related equipment/material to be provisioned by the DCO as mentioned in the Contract at any time before work is initiated at the site, provided that such increase or decrease shall not exceed Ten percent (10%) of the total Contract Price. In case the change required by the Punjab State EGovernance Society exceeds 10% of the total Contract Price, the said change would be subject to the DCO providing his written consent to the Punjab State EGovernance Society request.</p>	<p>Please refer corrigendum</p>
217	1/106	5.9.3	<p>We recommend the clause to be added in the reference clause as follows:Liquidated Damages</p> <p>Subject to clause for Force Majeure if the Bidder fails to complete the Commissioning of Data Centre before the scheduled completion date or the extended date or if DCO repudiates the Contract before completion of the Work, the tendering authority at its discretion may without prejudice to any other right or remedy available to the tendering authority the Contract recover a maximum of 5% (five percent) of the value of the delayed goods from the DCO as Liquidated Damages (LD).This 5% (five percent) will be staggered over a period of 5 (five) weeks at the rate of 0.5% of the value of the delayed goods (four percent) per week.</p>	<p>Please refer corrigendum</p>

218	1/147	7.4 Sr. No V11	<p>We recommend the clause to be added in the reference clause as follows:Punjab State EGovernance Society shall promptly notify the Bidder about any claims arising under this warranty. Upon receipt of such notice, the Bidder shall repair/replace/reconfigure/re-provision the defective equipment or service. Upon failure, Punjab State EGovernance Society may proceed to take such remedial action as may be necessary at the Bidder's risk and expense provided the Punjab State EGovernance Society has served thirty (30) days written notice to the DCO to cure the default and the DCO is not able to cure the default within the notice period and in such an event the DCO shall be required to bear only the Excess Cost for procurement of goods and/or services similar to those undelivered. The Term "Excess Cost" as referred herein shall mean cost at which alternative arrangements shall be providing the undelivered goods and/ or services of equivalent specification to the Punjab State EGovernance Society under this project minus the cost on which the DCO agreed to provide the undelivered goods and/or services under this project. Provided further that the DCO shall not be liable to Excess Cost in excess of (ten) 10 percent of the price of undelivered goods or services for which such option is exercised by the Punjab State EGovernance Societvand without prejudice to any other rights. which Puniab State</p>	As per RFP
219	1/173	7.33.1	<p>We recommend the clause to be added in the reference clause as follows:Termination for Default: The Punjab State EGovernance Society may at any time terminate the Contract by giving 30 days written notice to the DCO in oder to cure the default and if in case DCO fails to cure the default and intiati the rectification process in such event Punjab State EGovernance Society may terminate the Contract without compensation to the DCO in the Event of Default on the part of the DCO which may include failure on the part of the DCO to respect any of its commitments with regard to any part of its obligations under its Bid, the RFP or under this Contract.</p>	As per RFP
220	1/174	7.33.1.5	We request to remove this clause	As per RFP
221	1/NA	New Proposed Clause	<p>Limitation of Liability Notwithstanding anything to the contrary contained in the contract, DCO's aggregate liability arising out of or in connection with the contract, whether based on contract, tort, statutory warranty or otherwise, shall be limited to the amount actually paid by the Punjab State EGovernance Society to the DCO in respect of the goods / Services that gives rise to a claim subject to the maximum of 10% of the contract value. The DCO shall not be liable for any special, indirect, incidental or consequential damages of any kind including but not limited to loss of use, data, profit, income, business, anticipated savings, reputation, and more generally, any loss of an economic or financial nature, whether these may be deemed as consequential or arising directly and naturally from the incident giving rise to the claim.</p>	As per RFP

222	1/NA	New Proposed Clause	<p>We request to include this clause Notwithstanding anything to the contrary contained in the Contract, the Punjab State EGovernance Society shall make payment for the goods duly supplied and/or Service(s) performed, including also the goods in progress, up to the date of termination. The term “goods in progress” shall include but not limited to the value of deliverables meant for delivery to the Punjab State EGovernance Society (i) for which manufacturing/ service delivery process was initiated by the DCO or its contractor prior to the date of notice of termination of Contract; or (ii) order was placed by the DCO on its sub-contractor, prior to the date of notice of termination.</p>	As per RFP
223	1/NA	New Proposed Clause	<p>We request to include this clause Deemed Acceptance The goods which requires acceptance test shall be deemed to be accepted (without requiring supporting signatures of the Punjab State EGovernance Society, for the purpose of release of payment and for start of the warranty period and otherwise, on occurrence of any one of following events, whichever occurs earliest: a. if Punjab State EGovernance Society fails to conduct or attend the acceptance test or does not provide a written notice of any rejection/confirmation of acceptance test, within seven (7) days from the date of Test readiness notification by the contractor, or b. if Punjab State EGovernance Society puts the goods into operational/ productive/ normal use prior to acceptance test.</p>	As per RFP
224	1/NA	New Proposed Clause	<p>We request to include this clause Notwithstanding anything to the contrary contained in the Contract, if the DCO is not able to maintain the service level standards, then the DCO is liable to Penalty, only if the shortfall is for reasons solely attributable to a default by the DCO (excluding force majeure). Payment of Penalty by the DCO shall fully satisfy the Punjab State EGovernance Society in respect of failure of the DCO to maintain the service level standards and no further amounts shall be claimed by the Punjab State EGovernance Society for damages or compensation from the DCO in respect thereof. However, overall penalty shall not exceed 10% of the Contract value. Penalties and Liquidated Damages shall not run concurrently for the same cause.</p>	As per RFP

225	1/NA	New Proposed Clause	<p><i>We request to include this clause</i></p> <p>In order to enable the DCO to commence goods and meet its obligations under the contract, the Punjab State EGovernance Society shall be responsible for acquiring and providing physical possession of the site and access thereto, and also all other areas reasonably required for the proper execution of the contract and making the site ready complete in all respect in accordance with the DCO's specifications for site readiness. The Punjab State EGovernance Society agrees that the DCO shall not in any manner be liable for any delay in supply of goods and provisioning of Services under the terms of this contract, if such delay is attributable to Punjab State EGovernance Society's failure to make the site ready within seven (7) days of DCO's direction in this regard.</p>	As per RFP
226	1/NA	New Proposed Clause	<p>Considering the significant impact of exchange rate variations on bidder's costs, request to accept the following clause</p> <p>The bidder has to indicate the products / services that are dependent on imports and also indicate the exchange rate at the time of quoting. The prices quoted shall be increased or decreased at the time of contract finalization depending upon the prevailing exchange rate at that instant.</p>	As per RFP
227	2/342	1.3.3	Many of the security requirements mentioned in RFP are not covered in the BOQ, Request to define the key components like 1. Intranet Firewall, 2. Data Leakage Prevention, 3. Security Incident Management, 4. Policy Management in the BOQ, Commercials	Please refer corrigendum
228	1/8 & 13 point 10	Earnest Money Deposit (EMD)(In shape of Demand Draft Only)	Kindly request the department to allow EMD in form of Bank gurantee as well.	As per RFP

229	1/164 point 26.7.2	Change Orders / Alteration / Variation	<p>Incase of any change order for new equipemnt or existing equipment request the department to incluce Exchange rate varaiton clause in which the products / services awould be based on Foreign Exchange rate of US\$ 1 = INR current rate (the "Base Rate").</p> <p>Since the Specified Items to be supplied are dependent on imports. the prices quoted shall be increased or decreased if the ERV (as defined below) is more than 2% by applying such percentage which is in excess of 2% of Base Rate.</p> <p>The exchange rate variation (ERV) percentage shall be calculated as a percentage increase / decrease signified by the difference in the Current Rate and the Base Rate over the Base Rate, calculated as follows:</p> $\frac{\text{Current Rate (-) Base Rate}}{\text{Base Rate}} \times 100$ <p>NOTE: 1. "Current Rate" shall mean SBI's US\$ TT Selling Rate on the date of dispatch (or the immediately preceding business day in case Forex markets in India are closed on the date of despatch). In case the ERV % is up to 2%, then there will be no change in the quoted prices. If the exchange rate variation (ERV) is more than 2%, then price for Specified Items shall stand increased / decreased by the ERV% in excess of 2%.</p>	As per RFP
230	1/26	4.1.1 B Availability	Please confirm if availability is sought at service level or hardware/component level.	As per RFP
231	1/26	4.1.1 C Interoperability	This is open statement. Various products are available which have proprietary features or comply with standards. Please mention specific standards where devices needs to comply.	As per RFP
232	1/30	4.1.3 Testing and Commissioning	OS for Suwidha mentioned as windows 2008 and database as MS SQL 2008. Please confirm edition of OS and database like (standard, enterprise)	Please refer corrigendum
233	1/37	4.2.3 Backend Services	Please specify if there is any other services except Directory services as mentioned in section 4.2.3	As per RFP
234	1/65	4.8 Role Description Security Administration	Please specify interval of such patching. If quarterly patching is acceptable.	As per RFP. SDC operations are 24X7.
235	1/31	4.1.5 Training	As per our experience, timings given for training is more. Request to reduce the training days to maximum 4	Please refer corrigendum

236	1/31	4.1.5 Training	Two different numbers of people requiring training and days of training are mentioned. Kindly clarify whether 15 people for 10 days OR 20 people for 20 days it correct	Please refer corrigendum
237	1/240	10.2.1 Sec B1	Pls confirm if the Service tax amount needs to be mentioned in Row 2. If yes, then where will we mention the Service tax amount for Row 3(Cost of update and Maintenance of Software Licenses)	Please refer corrigendum
238	1/71	5.3.1 Severity Level-1	Kindly request for Modification of the Clause to: Denial of services/ Standard Compliance due to total breakdown of component installed in SDC. Apart from this hacking of website / data, Virus Attack (Malicious code) effecting Database system, System Software, data etc. leading to total system breakdown will also come under severity level 1.	Please refer corrigendum
239	1/109	6.17.1 Modified Technical Evaluation Criteria	Just like in Prequalification criteria, IDC experience shall be considered in Technical Evaluation Criteria also. Kindly confirm if our understanding is correct.	Please refer corrigendum
240	1/58	Estimated Timelines	Delivery period is very less . We suggest it to be increased to T+35 weeks.	As per RFP
241	1/169	Payment Schedule	10% of CAPEX payment is spread to five years.	As per RFP
242	1/169	Payment Schedule	Payment of Capex should be: 50% against delivery, 30% against Installation and 20% after AT. Payment of OPEX can be paid in quarterly instalments.	As per RFP
243	1/76	SLA Tracking	Penalty during Operations period is capped to 20% of QGR, we request it to cap to 10%.	As per RFP
244	1/91	Penalty on Resources	Penalty relating to resources is very exorbitant. If the bidder is able to give replacement resource of same qualification and capability, it should not be penalised. We request for reducing the penalties mentioned against each line by at least 75% of the value mentioned therein	Please refer corrigendum
245	1/240	Notes on Commercials	We request the department to buy the additional quantities at market rates. Hardware / Software rates can not be kept valid for 5 years period. These rates keep on changing without control of bidder since these are OEM prices. We request for deletion of this clause since this can not be adhered.	As per RFP
246	2/101	1.2.6.1	We understand the compute and storage infrastructure. Please detail the self-service of network elements and what is the scope of the network components what needs self-service capabilities.	As per RFP & Solution requireent.
247	2/101	1.2.6.1	Should the images in the library needs to be compatable with all hypervisors ?	Images are required to deploy the same or different server as like image on various hypervisor as per the requirment. So image should capable of getting deployed across hypervisors.
248	2/101	1.2.6.1	Should the image library be capable of handling the images of all hypervisor and x86 platform + HP-UX, AIX and Solaris Os and softwares?	Yes. For cloud we are considering only x-86.
249	2/101	1.2.6.1	We would like to know whether HTTPS is sufficient or the bid is demanding for more challenging authentication mechanisms like two factor authentication etc ?	As per RFP & Solution requirement

250	2/102	1.2.6.1	We would like to include network orchestration as well for the components defined in clause (i) of the same section. Being a cloud service provider , we have realized that network orchestration plays a vital role in cloud setups	As per RFP
251	2/102	1.2.6.1	Please define the level of self-service required for a) hypervisor, server , network and storage hardware. Whether the server includes x86 , non-x86 and unix processors? Please detail the the self-service capability required at each cloud infra component? (example, compute start/stop, network add firewall rule, modify firewall rule, storage add more storage etc)	Cloud is being considered on x-86.
252	2/102	1.2.6.1	We would like to know what all features needs to be enabled through API (ex. Creation of a new tenant, addition resource to a new tenant etc)	Please refer corrigendum
253	2/102	1.2.6.1	we would like to remove this clause because the scope is not defined accurately with respect to interoperability between private and public clouds, cloud bursting ?. If clause cannot be removed, please define the level of private and public cloud integration . Whether the private and public cloud are built using hetro genous hardware /software platforms or homogeneous hardware platforms ? Define the scope of cloud bursting.	As per RFP
254	2/102	1.2.6.1	Can this be implemented through metering and billing and service usage monitoring ?	Please refer corrigendum
255	2/102	1.2.6.2	Plesae explain host/embedded for purpose of clarity with examples.	As per RFP & Solution requirement
256	2/102	1.2.6.2	Please clarify whether the boot size , cpu, ram are defined during server creation from templates or defined in the template itself.	As per RFP & Solution requirement
257	2/102	1.2.6.2	Since the solution should support multiple hypervisor, plesae calrify whether we leverage the respective hypervisor management console to monitor the utilization.	As per RFP & Solution requirement
258	2/103	1.2.6.2	These features are hypervisor dependent, we will comply for this. But in future date,if the customer changes the hypervisor which doesn't provide this feature, we may not be able to deliver the functionality through cloud software. This feature is provided through underlying hypervisor. Please clarify whether our understanding is correct?	As per RFP & Solution requirement
259	2/103	1.2.6.2	These features are hypervisor dependent, we will comply for this. But in future date,if the customer changes the hypervisor which doesn't provide this feature, we may not be able to deliver the functionality through cloud software. This feature is provided through underlying hypervisor. Please clarify whether our understanding is correct?	As per RFP & Solution requireent.
260	2/103	1.2.6.2	These features are hypervisor dependent, we will comply for this. But in future date,if the customer changes the hypervisor which doesn't provide this feature, we may not be able to deliver the functionality through cloud software. This feature is provided through underlying hypervisor. Please clarify whether our understanding is correct?	Please refer corrigendum
261	2/103	1.2.6.2	These features are hypervisor dependent, we will comply for this. But in future date,if the customer changes the hypervisor which doesn't provide this feature, we may not be able to deliver the functionality through cloud software. This feature is provided through underlying hypervisor. Please clarify whether our understanding is correct?	Please refer corrigendum

262	2/103	1.2.6.2	These features are hypervisor dependent, we will comply for this. But in future date,if the customer changes the hypervisor which doesn't provide this feature, we may not be able to deliver the functionality through cloud software. This feature is provided through underlying hypervisor	As per RFP
263	2/104	1.2.6.2	Typically , this functionality is not part of the cloud software. This functionoality can be provided through the underlying storage systems , if it supports. Please clarify whether we need to provide this functioanlity through cloud software or storage systems?	As per RFP
264	2/106	1.2.6.2	If this requirement clause is included, we may not able able to meet the hypervisor requirements stated under hypervisor section. Certain hypervisor will have certain features and some may not have what others have but may have new additional features. Please calrify about the requirement complaince.	As per RFP
265	2/106	1.2.6.2	Whether the physical server will have x86 and non-x86 ? If it is non-x86 , should we cover AMD, POWER 6, 7 , HP UX and SPARC or more?	For Cloud only x-86 is being cosidered.
266	2/106	1.2.6.2	We would like to include firewall , load balancer, global load balancer, ssl vpn, bandwidth shaper and all possible orchestratble network elements for the flexibility and completeness of the solution. Basically "etc" needs to be defined.	Please refer corrigendum
267	2/107	1.2.6.2	This clause is too generic. We would like to remove this clause if the non-complaint systems are not defined with clarity.	Please refer corrigendum
268	2/107	1.2.6.2	we would like to include the show-back to all the orchestrated components (compute, network and storage) so that the show-back and charge-back are meaningful for the IT departments to assess their usage. It should not be limited to compute and storage based on our past experience of cloud implementation.	Please refer corrigendum
269	2/107	1.2.6.2	We would like to extend the clause to all the orchestrated components instead of compute to generate meaningful report to the IT deparment users	Please refer corrigendum
270	2/108	1.2.6.2	Please eloborate more on the definition of managed and unmanaged infratstructure. Whether managed and unmanaged infrastructure spans across all components of infra and apps ?	As per RFP
271	2/108	1.2.6.2	What are the cloud infrastructure components that we should cover under "allocated capacity". Please clarify	As per RFP
272	2/109	1.2.6.2	We would like to change the clause to "Administrators should be able to scale and/or manage resources unilaterally (as also termed in the NIST definition) for tenant services without manual intervention as and when required by the SLA requirements of the service". (automatically is removed). If it is automatically please explain whether the scaling is based on infra based scaling trigger (cpu, ram , bandwidth utlization) or app based scaling trigger (ex. app response time, concurrent users etc)	As per RFP

273	2/109	1.2.6.2	Taking the resource offline can lead to disasters. Please specify the pre-conditions to take the resources offline infrastructure wise and the approval process.	As per RFP
274	2/109	1.2.6.2	We understand that this feature can be provided only for the implemented hypervisor. Please state whether our understanding is correct?	As per RFP & Solution requirement
275	2/109	1.2.6.2	Please elaborate more on this requirement or remove this clause. The requirement is very generic.	Please refer corrigendum
276	2/111	1.2.6.2	Can this feature be delivered using existing EMS deployed?	Please refer corrigendum
277	1/48	4.4 Exit Management	Please specify the duration of exit management period.	Please refer Section 4.4 / Pg 48-49/ RFP Vol 1 that says, "Exit management shall involve the complete handover of the data center operations to the team identified by PSEGS, which would take care of SDC operations after the tenure of the DCO ends after five years. Exit Plan has to be submitted by the DCO and approved by PSEGS/ Department of Governance Reform/ Consultant."
278	1/60	4.7.1 Minimum Manpower Resources:	Please change the minimum experience to 7 years.	Please refer corrigendum
279	1/60	4.7.1 Minimum Manpower Resources:	Please remove OEM certification requirement for helpdesk operators.	Please refer corrigendum
280	1/60	4.7.1 Minimum Manpower Resources:	Please allow 10+2 as the qualification with 2 years experience for physical security role.	Please refer corrigendum
281	1/108	III. Evaluation of Bids	please change the weight age to quality of services and cost ratio to 60:40	As per RFP
282	1/	General	The Agreement for the engagement resulting from this RFP needs to include limitation of liability provision entailing the following: "Neither party shall be liable to the other for any special, indirect, incidental, consequential (including loss of profit or revenue), exemplary or punitive damages whether in contract, tort or other theories of law, even if such party has been advised of the possibility of such damages. The total cumulative liability of either party arising from or relating to the Agreement shall not exceed the amount paid to the successful Bidder by PSEGS during the preceding twelve (12) months period (as of the date the liability arose)."	As per RFP
283	1/	General	Bidder should not be responsible for a failure to meet any Service Level if such failure is caused due to reasons attributable to or failure of the PSEGS or the other service providers to perform its or their obligations.	As per RFP
284	1/	General	The liquidated damages needs to be applicable only if the delay or failure is caused for reasons solely and entirely attributable to the Bidder and not otherwise.	As per RFP
285	1/	General	Forfeiture of Security Deposit needs to be applicable for 'material' breach and provided customer gives prior notice of 30 days to cure such breach to the Bidder and the Bidder has failed to cure such breach within such notice period.	As per RFP

286	1/	General	Indemnity provisions needs to be mutual and limited to IPR infringement (standard IPR indemnity exclusions) and personal injury instances only.	As per RFP
287	1/	General	Warranty needs to subject to standard warranty exclusions. Further, the standard provision on disclaimer of warranty needs to be included.	As per RFP
288	1/	General	Provision in relation to suspension of work needs to be deleted.	As per RFP
289	1/	General	Confidentiality provision needs to be mutual and include standard confidentiality exclusions.	As per RFP
290	1/	General	Termination for cause needs to be mutual and with a cure period of no less than 30 days to remedy the cause.	As per RFP
291	1/	General	Agreement needs to include clear provisions on pre-existing IPR and third party IPR.	As per RFP
292	1/	General	<p>The BG shall contain following statement at the end: “Notwithstanding anything contained hereinabove:</p> <p>Our liability under this bank guarantee shall not exceed Rs. _____ (Rupees _____)</p> <p>This bank guarantee shall be valid until _____ and;</p> <p>We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if you serve upon us a written claim of demand on or before 2PM on _____, where after all the rights under this guarantee shall be forfeited and we shall be released and discharged from all liabilities there under whether or not the original guarantee is returned.”</p>	As per RFP
293	1/35	4.2	Please clarify if the additional hardware and software that needs to be maintained by bidder would be in the state data centre only or can that be in any other locvation also? Is there a minimum lot size that would be applicable for brining these additional h/w or software ? Is there a flexibility in proposing a minimum sum for brining in additional hardware/software ?	Please refer corrigendum

294	1/50	4.4	we request clarification as to how this clause is expected to be applicable. In the Capex model the ownership is usually transferred upon acceptance or full payment whichever is later and the risk is passed upon the tendering authority upon acceptance.	Please refer corrigendum
295	1/50	4.4	We request clarification as to how this clause is expected to be applicable. What is the expectation in relation to the employees engaged in the project during the exit Management?	Please refer Section 4.4 / Pg 48-49/ RFP Vol 1 that says, "Exit management shall involve the complete handover of the data center operations to the team identified by PSEGS, which would take care of SDC operations after the tenure of the DCO ends after five years. Exit Plan has to be submitted by the DCO and approved by PSEGS/ Department of Governance Reform/ Consultant."
296	1/30	4.1.2	We request clarity whether all the licenses required under this enagement would be procured over and above the quantum specified in RFP and Bidder's proposal? The price of software usually varies and has dependency on various factors therefore can the bidder presume that the required software would be ordered once.	As per RFP
297	1/76 & 89		We seek clarification as how the quaterly deduction could be more than 20% of QGR in two consecutive month or even in any month when there is penalty cap of 10%. Is it fair to assume that the quaterly deduction calculation of more than 20% would only be considred for evaluating the bidder on SLA but will not impact the cap over penalties .	Please refer corrigendum
298	1/97 & SLA	5.9.4	We request clarity if the Bidder will have the flexibility to propose anm laternate service levels? Also request clarity on how penalty would be caluculated and whether the aggregate cap on SLA credit in a quarter would be capped at 10%.	Please refer corrigendum

299	1/105	6.9 (ix)	We seek clarification whether the change in tax due to increase in tax rate or imposition of additional duty would be paid to bidder.	As per RFP. Kindly refer Section 6.9 Pt ix & x / Pg 105 / RFP Vol 1
300	1/147	7.3 ©	we request clarity that, If the bidder satisfies all the pre-bid qualification without relying on the parent this clause would not be applicable.	As per RFP
301	1/148	7.4	It is not usual in the IT sector for vendor to provide warrnty on software. Can one propose Software support for period of five years.	As per RFP
302	1/148	7.4	We seek clarity if use of refurbished part would be allowed if the refurbished part is closed to new in performance.	As per RFP. Refurbished part would not be acceptable.
303	1/157	7.11	we seek clarity regarding the scope of audit. Is it ok to assume that audit under this agreement will not require the bidder to share it cost breakup, margin, books of account or minutes of board meeting or similar confidential information?	Clarification: Audit scope is limited to the project.

304	1/		<p>We request that indemnity be restricted to third party claim for IPR infringement only. Inter se claim between parties shall be subject to dispute resolution mechanism.</p>	As per RFP
305	1/	7.3.6	<p>This clause relates the liability limit including insurance proceed. Under this engagement, Bidder is not required to take any insurance other than for transit.</p> <p>The clause shall be modified to bring it to industry standard by removing reference to insurance proceed and aligning the liability limit to mutually acceptable position.</p>	As per RFP
306	1/	Format 16	<p>We request that the form shall also be modified in line with form 21 and form 15. OR (Strike out whatever is not applicable) Following is the exhaustive list of technical deviations and variations from the requirement specifications of tendered items and schedule of requirements. Except for these deviations and variations, the entire work shall be performed as per your specifications and documents.</p> <p>We also request to clarify if the bidder may share the redlined document to provide the alternate proposed in the form of redlined document as part of compliance statement to Form 16.</p>	As per RFP
307	1/35	4.2	<p>Please clarify if the additional hardware and software that needs to be maintained by bidder would be in the state data centre only or can that be in any other location also? Is there a minimum lot size that would be applicable for bringing these additional h/w or software? Is there a flexibility in proposing a minimum sum for bringing in additional hardware/software?</p>	Please refer corrigendum

308	1/50	4.4	we request clarification as to how this clause is expected to be applicable. In the Capex model the ownership is usually transferred upon acceptance or full payment whichever is later and the risk is passed upon the tendering authority upon acceptance.	Please refer corrigendum
309	1/50	4.4	We request clarification as to how this clause is expected to be applicable. What is the expectation in relation to the employees engaged in the project during the exit Management?	Please refer Section 4.4 / Pg 48-49/ RFP Vol 1 that says, "Exit management shall involve the complete handover of the data center operations to the team identified by PSEGS, which would take care of SDC operations after the tenure of the DCO ends after five years. Exit Plan has to be submitted by the DCO and approved by PSEGS/ Department of Governance Reform/ Consultant."
310	1/30	4.1.2	We request clarity whether all the licenses required under this enagement would be procured over and above the quantum specified in RFP and Bidder's proposal? The price of software usually varies and has dependency on various factors therefore can the bidder presume that the required software would be ordered once.	As per RFP
311	1/76 & 89		We seek clarification as how the quaterly deduction could be more than 20% of QGR in two consecutive month or even in any month when there is penalty cap of 10%. Is it fair to assume that the quaterly deduction calculation of more than 20% would only be considered for evaluating the bidder on SLA but will not impact the cap over penalties .	Please refer corrigendum
312	1/97 & SLA	5.9.4	We request clarity if the Bidder will have the flexibility to propose anm laternate service levels? Also request clarity on how penalty would be caluculated and whether the aggregate cap on SLA credit in a quarter would be capped at 10%.	Please refer corrigendum

313	1/104	6.9	If any rates of tax are increased or decreased, a new tax is introduced, an existing tax is abolished, or any change in interpretation or application of any tax occurs in the course of the performance of contract, which was or will be assessed on the bidder in connection with performance of the contract, an equitable adjustment of the contract price shall be made to fully take into account any such change by addition to the contract price or deduction there from as the case may be.	As per RFP
314	1/108	6.16 Evaluation of Bids	It been requested that capex and opex ratio to be revised as 75:25.	As per RFP
315	1/147	7.3 I	Its not feasible to provide a continuing bank Guarantee. It been proposed that PBG be valid upto contract term.	As per RFP
316	1/147	7.3 ©	we request clarity that, If the bidder satisfies all the pre-bid qualification without relying on the parent this clause would not be applicable.	As per RFP
317	1/148	7.4	It is not usual in the IT sector for vendor to provide warrnty on software. Can one propose Software support for period of five years.	As per RFP
318	1/148	7.4	We seek clarity if use of refurbished part would be allowed if the refurbished part is closed to new in performance.	As per RFP. Refurbished part would not be acceptable.

319	1/157	7.11	we seek clarity regarding the scope of audit. Is it ok to assume that audit under this agreement will not require the bidder to share it cost breakup, margin, books of account or minutes of board meeting or similar confidential information?	Clarification: Audit scope is limited to the project.
320	1/		We request thtat inmdneity be restricted to third party claim for IPR infringenent only. Inter se claim between parties shall be subject to dispute resolution mechanism.	As per RFP
321	1/	7.3.6	This clause relates the liability limit including insurance proceed. Under this engagement, Bidder is not requied to take any insurance other than for transit. The clause shall be modified to bring it to industry standard by removing reference to insurance proceed and aligning the liability limit to mutually acceptable position.	As per RFP

322	1/169	7.29 Payment Schedule	<p>Proposed Payment terms: Installation of Non It equipments –I : 60% of capex Installation IT Equipments: 30% of capex On successful final acceptance test, training and submission of documents: 10% of capex</p> <p>Operations and Management for 5 years payable monthly</p>	As per RFP
323	1/169	7.29 Payment Schedule	It been proposed that such terms to be mutually discussed and agreed.	Please refer corrigendum
324	1/172	7.31	its been clarified that in case contract is terminated for any reasons customer will be pay for all the Hardware, services and support deployed/rendered till the time of termination.	As per RFP
325	1/174	7.33.1.5	Request for the deletion of this clause	As per RFP
326	1/	Format 16	<p>We reuest that the form shall also be modified in line with form 21 and form 15. OR (Strike out whatever is not applicable) Following is the exhaustive list of technical deviations and variations from the requirement specifications of tendered items and schedule of requirements. Except for these deviations and variations, the entire work shall be performed as per your specifications and documents.</p> <p>We also request to clarify if the bidder may share the redlined document to provide the alternate proposed in the form of redlined document as part of compliance statement to Form 16.</p>	As per RFP
327	1/13	Section II	Should be changed to CMMI Level 3 for open participation	As per RFP
328	1/13	Section II	Should be changed to either ITIL or BS7799/ ISO 27001 certified	As per RFP
329	1/40	4.2.9	Basic infra like, sitting space, Desktops, Landline phone etc would be provided by Punjab state. Is this understanding correct	As per RFP. Kindly refer Note under Section 4.1.2 RFP Vol 1/ Pg 29-30
330	1/40	4.2.9	Please provide the indicative number of end users who can log a call with onsite Helpdesk team or Average number of calls registered at Helpdesk in each shift in a month	It is the DCOs responsibility to meet the SLA requirement and respond all the calls as per the SLA.

331	1/42	4.2.11	Please specify the frequency of Preventive maintenance service	In order to meet the SLA, bidder has to propose the Preventive maintenance schedule which needs to be approved by SIA.
332	1/60	4.7.1	To cover 24x7 support, indicative team may not be sufficient. Please suggest.	Please refer corrigendum
333	1/76	5.7	Please cap the total penalty deductions at maximum of 5% of the quarterly invoice value	As per RFP
334	1/128	G.10	In response asked from bidder "Maximum RAM upgradable up to GB." has been asked which is not inline with design criteria. Request to change it to "Maximum throughput scalable in Gbps".	Please refer corrigendum
335	2/11	1.1.4	Kindly confirm if the bidder should provide a proper database security system software tool	Provide as per solution requirement and Comply to the RFP, SLAs.
336	2/12	1.1.5	Kindly confirm if the tool should provide heterogenous database platform support as the SDC may have different RDBMS deployed eg Postgres, Oracle, SQL, DB2, MySQL etc.	Provide as per solution requirement and Comply to the RFP, SLAs.
337	2/13	1.1.6	Kindly confirm if the database security tool shall be able to manage encrypted traffic too.	Provide as per solution requirement and Comply to the RFP, SLAs.
338	2/14	1.1.7	Kindly confirm if the database security tool should not have any host agents on RDBMS server so that no changes are required on the database server	Provide as per solution requirement and Comply to the RFP, SLAs.
339	2/15	1.1.8	Kindly confirm if the Data security solution should not rely on DBMS-resident logs that may be erased by attackers, rogue insiders etc	Provide as per solution requirement and Comply to the RFP, SLAs.
340	2/16	1.1.9	Kindly confirm if the Activity logs should not be erased by attackers or DBAs or Super DBAs. Please confirm if there should be tamperproof storage mechanism.	Provide as per solution requirement and Comply to the RFP, SLAs.
341	2/17	1.1.10	Kindly confirm if the Data security solution should be able to provide complete security visibility including local DBA and super DBA access	Provide as per solution requirement and Comply to the RFP, SLAs.
342	2/18	1.1.11	Kindly confirm if the Data security solution should be able to define granular, real-time policies & auditing like : Who, what, when, how	Provide as per solution requirement and Comply to the RFP, SLAs.

343	1/48	4.4	For exit management/ reverse transition period, where in event of customer fails to pay on time that resulted to vendor to exercise termination rights, all previous executed orders, customer must settle and pay before commencement of exit management and all transactions during exit management will have to be CIA, payment received upfront before commencement of work. Thus we would not agree to payment to exit management to be in accordance with normal Terms of Payment Schedule when they fails to pay prompt on time in the first place.	As per RFP
344	1/169	7.29	There is silent in payment terms. We would like to propose "30days from invoice date".	As per RFP
345	1/173	7.33	HP should have rights of termination, in case customer fails to make payment according to payment terms and upon serve notice period max 30 days as well as insolvency, bankrupt, winding up or any equivalent proceedings.	As per RFP
346	1/172	Clause 7.31.2 & 7.32.1	Clause 7.31.2 & 7.32.1 to be removed. We don't allow payment withholding & deduction made onto invoices as they already have PBG on hand to invoke, in case failure by vendor. Either of this acts will cause a mess in the accounts and pose operational risks.	As per RFP
347	1/175	7.35.2	Re 7.35.2 Dispute Resolution clause, we do not find any clauses cross referring to 7.37.3 & 7.37.4. whether it is typo error?	Please refer corrigendum
348	1/178	7.44.2	Assignment and sub-contracting clause should bind both parties that neither are allowed to perform without written consent from the other party.	As per RFP
349	2/11	1.1.4	Please clarify whether we need to supply the Intranet firewall as well and if yes, should we follow the Internet firewall specifications?	As per RFP
350	2/75	1.2.3.5	please explain what is exactly meant with this line.	Clarification: Like DNS attack, HTTP,HTTPS, etc
351	1/32	Schedule H	Request to remove or reduce weightage the following items 1. KVM swtich, LCD Monitor, Keyboard 2. HIDS 3. LAN Passive Components	Please refer corrigendum
352	1/27	Section 4.1.1. Point F	Request to provide details of make and model of SWAN switch/router with which SDC L3 switch will be integrated	Bidder may visit Punjab SWAN located at 2nd floor Academic Block of MGSIPA for relevant information.
353	2/81	2	Request you to change it as :-Server load balancer should have ASIC based architecture or CPU based Hardware & not PC based architecture	Please refer corrigendum
354	2/83	10	Request you to change it as :-should have 4GB RAM from day one	As per RFP

355	2/84	6	Request you to change it as :-should support 5Gbps of throughput from day one	Please refer corrigendum
356	2/82	4	There is a huge difference between segmentation and Virtualization. Virtualization would ensure Independent Management, Independent Routing Table and Independent Resource allocation for the virtual Server Load Balancers instances. Hence we would suggest you to kindly clarify the same whether virtualization feature is required or not.	As per RFP. Bidder has to ensure that RFP and Solution compliance without any bottleneck.
357	2/74	2	As per the RFP specifications, 2 x 10 G ports have been asked which is contradicting to the throughput mentioned. Hence we would request you to kindly increase the throughput also along with the Scalability factor (for better Return of Investment).	Please refer corrigendum
358	2/73	1	It is highly recommended that the NIPS solution proposed should be from different manufacturer as of Firewall to achieve Defense in Depth approach.	As per RFP
359	2/71	4	Since 2 x 10G ports are desired in the specifications. It is suggested that the Firewall throughput for Large & small packets should be at least 20 Gbps to cater to 2 x 10 Gig ports	As per RFP
360	2/71	4	Today there are many applications which keep running on PCs / Servers / Laptops and which try to connect to internet for various downloads like windows updates / antivirus updates and other online applications. These application keeps opening sessions automatically. To cater to such sessions requirement and also sessions opened by user. It is suggested that the concurrent sessions to be increased to at least 7 Million & new connections per second to be increased to 190,000	Please refer corrigendum
361	2/72	5	It is suggested that the Firewall should support BGP routing protocol along with RIP & OSPF as today mostly ISPs provide Ethernet connectivity for internet termination so if Firewall can support BGP routing protocol , it will eliminate the additional expense of deploying a router for terminating internet link.	As per RFP.
362	2/71		Since this appliance shall be deployed at the State Datacenter which shall provide infrastructure to many e-Governance initiatives of National eGovernance Plan to host their applications. It is suggested that the Firewall support virtualization with minimum 10 virtual firewall license licenses from day 1 and should be scalable to 250 Virtual firewall licenses in future	Please refer corrigendum
363	2/73		It is suggested that the IPS should be integrated with Firewall while will help ease of configuration management, monitoring and response eliminating blind spots caused by using multiple non-integrated security technologies.	As per RFP
364	2/74	2	To cater to SDC infrastructure security requirement, it is suggested that the IPS throughput should be atleast 6 Gbps	Please refer corrigendum
365	2/74	3	It is suggested that the IPS should be able to inspect SSL sessions by decrypting the traffic.	Yes, your understanding is correct

366	2/113		What is the no of EPS that we need to provide as part of the solution?	Please refer Corrigendum
367	2/113		Do you want the incident management module to integrate with CMDB for better view of the incidents. Ex- Incidnets by application/facility?	As per RFP & Solution requirement
368	2/113		Do you want us to provide real time threat intelligence as part of the SIM to high light outgoing traffic to malicious domains and identify patterns like botnet	Please refer corrigendum
369	2/113		Do you want us to do two way integration of Incident managenet system policy management system to ensure that all asset data is seen in SIM tool and all incidents are seen in Incident dashboard?	Please refer corrigendum
370	2/113		Do you want us to capture network session also apart from log collection for event reconstruction and playback?	Please refer corrigendum
371	2/113		Do you want us to provide N level workflow as part of incident workflow? Ex- automatic notification sent to analysts' manager if he doesn't handle security incident in 2 hours. If no futher action is taken, notification is sent to manager's manager and further upto N level.	Please refer corrigendum
372	2/342		there is no mention of the no of users required for DLP in Bill of material	Please refer corrigendum
373	2/342		there is no mention of the no of appliances required for SIM in bill of material	Please refer corrigendum
374	2/342		there is no mention of the no of users required for policy management in bill of material	Please refer corrigendum
375	2/62	1.2.3.1, point 1	Amendment Request: Switch should have support for 10G, 40G port from day 1 and should be future ready for 100 G ports	Please refer corrigendum
376	2/63	1.2.3.1, point 3	Amendment request: Switch should support at least 4000 Vlans in each of virtual switch within Core switch	As per RFP
377	2/63	1.2.3.1, point 5	Please remove this clause	Please refer corrigendum
378	2/63	1.2.3.1, point 5	Please remove this clause	Please refer corrigendum

379	2/63	1.2.3.1	Please add the virtualization clause: The switch should support virtualization and should be able to support minimum 8 virtual device so that physical switch can be used as multiple logical devices. Each virtual device should contain its own unique and independent set of VLANs and VRFs.	As per RFP
380	2/63	1.2.3.1	Must allow to have a separate control and data plane for each Virtual device itself, thus allowing the complete segregation in virtualized environment.	As per RFP
381	2/63	1.2.3.1, point 3	Must support port channeling across multi chassis.	As per RFP
382	2/63	1.2.3.1, point 3	Hardware must be compatible with L2MP / ietf TRILL proposed standard	As per RFP
383	2/63	1.2.3.1	Hardware should be compatible with IEEE DCB standards including (PFC, ETS, DCBX) <ul style="list-style-type: none"> • IEEE 802.1Qbb PFC (per-priority pause frame support) • IEEE 802.1Qaz Enhanced Transmission Selection IEEE 802.1AB DCBX Protocol	As per RFP
384	2/63	1.2.3.1	The switch should also deliver Fiber Channel over Ethernet (FCoE) and Multi-Hop FCoE, which allows storage traffic to be reliably carried over an Ethernet infrastructure.	As per RFP
385	2/64	1.2.3.1, point 10	Please amend this to: "Min 36 Nos of 10 Gig ports".	Please refer corrigendum
386	2/65	1.2.3.2, point 1	Please amend this to : 24 X 1000 BaseT port switch and 2 X 10 Gig ports, all the ports should be upgradeable to 10 GE	Please refer corrigendum

387	2/65	1.2.3.2 , point 3	Please remove this clause & replace it with " IEEE 802.1AE Link Layer Encryption"	As per RFP
388	2/66	1.2.3.2 , point 7	Please remove this clause	Please refer corrigendum
389	2/65	1.2.3.2 , point 1	Must support port channeling across multi chassis.	As per RFP
390	2/65	1.2.3.2 , point 1	The switch should also deliver Fibre Channel over Ethernet (FCoE) and Multi-Hop FCoE, which allows storage traffic to be reliably carried over an Ethernet infrastructure.	As per RFP
391	2/65	1.2.3.2 , point 3	Hardware should be compatible with IEEE DCB standards including (PFC, ETS, DCBX) <ul style="list-style-type: none"> • IEEE 802.1Qbb PFC (per-priority pause frame support) • IEEE 802.1Qaz Enhanced Transmission Selection IEEE 802.1AB DCBX Protocol	As per RFP
392	2/67	1.2.3.3 , point 1	Please amend this clause to : Router should be modular architecture with multicore processor for scalability and should be a single box configuration for ease of management.	As per RFP
393	2/67	1.2.3.3 , point 4	Please amend this to : 4 X 10/100/1000 baseTX Ethernet interfaces for LAN and 4 X 10/100/1000 baseTX Ethernet interfaces for WAN	As per RFP
394	2/68	1.2.3.3 , point 5	Please amend this to : The router should have a minimum of 2 Mpps throughput	as per RFP
395	2/69	1.2.3.3 , point 12	Please amend this to : Support GRE, SSL and IPSEC based encryption	As per RFP
396	2/69	1.2.3.3 , point 14	Please Remove this clause	Please refer corrigendum

397	2/71	1.2.3.4 - Point 4	Please amend this to Firewall should provide real-world performance of 5 Gbps or more. Real world profile should include but not limited to HTTP, Bit Torrent, FTP , SMTP and IMAPv4. Performance throughput should be real world traffic and not only on UDP.	As per RFP
398	2/71	1.2.3.4 - Point 4	Please amend this clause to : The firewall should provide at least 2,000,000 or more concurrent connections	Please refer corrigendum
399	2/71	1.2.3.4 - Point 4	Please amend this clause to : Should provide at least 115,000 connections per second or more.	As per RFP
400	2/71	1.2.3.4 - Point 3	Addition request :Firewall should have atleast 2 virtual firewalls & should have necessary CPU & Memory to scale upto 250 virtual firewalls from day one. Licenses for additional virtual firewalls will be procured on requirement basis.	Please refer corrigendum
401	2/71	1.2.3.4 - Point 3	Addition request : Firewall should have 64-bit operating system	As per RFP
402	2/71	1.2.3.4 - Point 4	Addition request: Firewall should support 10K VPN tunnel (Cumulative client based SSL + IPSec peers VPN) internally or externally from day one	As per RFP
403	2/73	1.2.3.4	Addition request: OEM should be in Gartner's leaders or challengers quadrant for Firewall & SSL VPN	As per RFP
404	2/72	1.2.3.4 - Point 6	Addition request: Firewall should support Identity Firewalling feature	As per RFP
405	2/72	1.2.3.4 - Point 6	Addition request: Firewall should be able to block peer-to-peer applications over http & have Botnet Filtering capabilities including blocking communication between the infected Bots & the Command & Control Centers.. Firewall OEM should provide support for any technical issues related to Botnet filtering without requiring any 3rd party support.	As per RFP
406	2/73	1.2.3.5 - Point 1	Please amend this clause to: The IPS should have minimum of 8 x 10/100/1000 ports to support up to 4 inline protected segment support.	Please refer corrigendum
407	2/74	1.2.3.5 - Point 1	Please remove this clause	As per RFP
408	2/74	1.2.3.5 - Point 2	Please amend this clause to : The IPS device should provide an overall throughput of at least 2 gbps or more	Please refer corrigendum
409	2/74	1.2.3.5 - Point 2	Addition Request: IPS should support minimum 1.5 Million concurrent sessions	As per RFP

410	2/75	1.2.3.5 - Point 8	Please Amend this clause to : "IPS should be ICSA/NSS/ EAL certified/ under Evaluation for Network Devices (NDPP)."	As per RFP
411	2/74	1.2.3.5 - Point 4	Please remove these clause	As per RFP
412	2/	New Component		As per RFP
413	2/42	1.2.2.6.6 - Point 7	Please amend this clause to: Switch shall support minimum 48 ports expandable to 96 ports X 4Gbps (with port activation licenses). However bidder has to ensure sufficient number of ports of 4Gbps looking to the solution as of now including backup solution and 40% future expandability. (The bidder has to provide such adequate number of ports on SAN switch to meet the solution requirements)	Please refer corrigendum
414	2/86	1.2.4	Our submission is to remove Net-Stream and rephrase the clause as "The tool must support heterogeneous Flow monitoring and traffic analysis for any of technology vendors like NetFlow, J-Flow, sFlow, IPFIX technologies."	Please refer corrigendum
415	2/86	1.2.4	Our submission is to rephrase the clause as "The proposed traffic analysis system should detect anomalous behavior and analyze all NetFlow traffic and alert via SNMP trap & Email on the network and send it to central network console"	Please refer corrigendum
416	2/86	1.2.4	Our submission is to rephrase the clause as "Rate,Utilization,Byte Count,Flow (TCP flags based on Packet Count) Count,IP hosts with manual DNS resolution, IP conversation pairs with manual DNS resolution, automatic IP/Hostname resolution using DHCP logs, Router/interface with automatic SNMP name resolution,Protocol breakdown by host, link, ToS or conversation, packet counts by bit pattern matching of the TCP ToS field, AS number.."	Please refer corrigendum
417	2/87	1.2.4	Our submission is to rephrase the clause as "All custom reports from the long term database must support the ability to be run manually at user selectable intervals"	Please refer corrigendum
418	2/87	1.2.4	Our submission is to rephrase the clause as "Filter for any traffic IPaddress, IP range , Protocols, TCP flags, AS Number, ToS,"	Please refer corrigendum
419	2/88	1.2.4	Our submission is to rephrase the clause as "The overview page must include an report generation function that provides a GUI driven method for generating the page manually in PDF/Excel format "	Please refer corrigendum
420	2/88	1.2.4	Our submission is to rephrase the clause as "The system must support interface specific report generation for every monitored interface in the network. It must provide menu or GUI driven access from the main system page that allows users to select from the automatically generated interface list and navigate to interface specific information."	Please refer corrigendum
421	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum

422	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
423	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
424	2/88	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
425	2/11	1.1.4	Kindly confirm if the bidder should provide a proper database security system software tool	Provide as per solution requirement and Comply to the RFP, SLAs.
426	2/12	1.1.5	Kindly confirm if the tool should provide heterogenous database platform support as the SDC may have different RDBMS deployed eg Postgres, Oracle, SQL, DB2, MySQL etc.	Provide as per solution requirement and Comply to the RFP, SLAs.
427	2/13	1.1.6	Kindly confirm if the database security tool shall be able to manage encrypted traffic too.	Provide as per solution requirement and Comply to the RFP, SLAs.
428	2/14	1.1.7	Kindly confirm if the database security tool should not have any host agents on RDBMS server so that no changes are required on the database server	Provide as per solution requirement and Comply to the RFP, SLAs.
429	2/15	1.1.8	Kindly confirm if the Data security solution should not rely on DBMS-resident logs that may be erased by attackers, rogue insiders etc	Provide as per solution requirement and Comply to the RFP, SLAs.
430	2/16	1.1.9	Kindly confirm if the Activity logs should not be erased by attackers or DBAs or Super DBAs. Please confirm if there should be tamperproof storage mechanism.	Provide as per solution requirement and Comply to the RFP, SLAs.
431	2/17	1.1.10	Kindly confirm if the Data security solution should be able to provide complete security visibility including local DBA and super DBA access	Provide as per solution requirement and Comply to the RFP, SLAs.
432	2/18	1.1.11	Kindly confirm if the Data security solution should be able to define granular, real-time policies & auditing like : Who, what, when, how	Provide as per solution requirement and Comply to the RFP, SLAs.
433	2/74	1.2.3.5	The Internet Firewall has total throughput of 5 GBPS, IPS sitting inline needs to be matched for better performance.	Please refer corrigendum
434	2/75	1.2.3.5	please explain what is exactly meant with this line.	Clarification: Like DNS attack, HTTP,HTTPS, etc
435	2/78	1.2.3.6	IBM HIPS does the monitoring for file integrity, system integrety and registry integrity. Lockdown is not an HIPS functionality as it is on the OS level products which are used for system control.	Please refer corrigendum

436	2/78	1.2.3.6	IBM HIPS does the monitoring for file integrity, system integrity and registry integrity. Lockdown is not an HIPS functionality as it is on the OS level products which are used for system control.	Please refer corrigendum
437	2/78	1.2.3.6	Prevention of USB drives and CDROMS are not HIPS features, they are more of system control products.	Please refer corrigendum
438	1/27	F. Integration of SDC with SWAN	pl let know the available port details in SWAN existing Switch where the link from SDC would be terminated. Is the upgradation of existing Switch DCO responsibility	Upgradation of existing SWAN switch is not the DCOs responsibility.
439	1/27	F. Integration of SDC with SWAN	What is the speed that is being looked for Connectivity with SWAN, can we assume it on 1Gig port.	<p>1) Connectivity as per DCOs solution requirement. DCO has to ensure that there should not be any bottleneck.</p> <p>2) DCO has to ensure the connectivity. Further to clarify that the modules for connectivity will be provided by SWAN operator but the accessories like cables etc would be provided by SDC DCO.</p> <p>3) DCO may visit the premises to get the ground realities.</p> <p>Note: SDC & SWAN NOC are in the same MGSIPA campus.</p>
440	2/61	1.2.3 Technical Specifications –	Kindly provide the specifications of the Intranet Firewall , Else if already exist, pl provide the details to be from different OEMs.	Please refer corrigendum
441	2/82	4	There is a huge difference between segmentation and Virtualization. Virtualization would ensure Independent Management, Independent Routing Table and Independent Resource allocation for the virtual Server Load Balancers instances. Hence we would suggest you to kindly clarify the same whether virtualization feature is required or not.	As per RFP
442	2/74	2	As per the RFP specifications, 2 x 10 G ports have been asked which is contradicting to the throughput mentioned. Hence we would request you to kindly increase the throughput also along with the Scalability factor (for better Return of Investment).	Please refer corrigendum
443	2/73	1	It is highly recommended that the NIPS solution proposed should be from different manufacturer as of Firewall to achieve Defence in Depth approach.	As per RFP
444	2/71	4	Since 2 x 10G ports are desired in the specifications. It is suggested that the Firewall throughput for Large & small packets should be at least 20 Gbps to cater to 2 x 10 Gig ports	As per RFP

445	2/71	4	Today there are many applications which keep running on PCs / Servers / Laptops and which try to connect to internet for various downloads like windows updates / antivirus updates and other online applications. These application keeps opening sessions automatically. To cater to such sessions requirement and also sessions opened by user. It is suggested that the concurrent sessions to be increased to at least 7 Million & new connections per second to be increased to 190,000	Please refer corrigendum
446	2/72	5	It is suggested that the Firewall should support BGP routing protocol along with RIP & OSPF as today mostly ISPs provide Ethernet connectivity for internet termination so if Firewall can support BGP routing protocol , it will eliminate the additional expense of deploying a router for terminating internet link.	As per RFP
447	2/72		Since this appliance shall be deployed at the State Datacenter which shall provide infrastructure to many e-Governance initiatives of National eGovernance Plan to host their applications. It is suggested that the Firewall support virtualization with minimum 10 virtual firewall license licenses from day 1 and should be scalable to 250 Virtual firewall licenses in future	Please refer corrigendum
448	1/27	F. Integration of SDC with SWAN	<p>1. Please specify the bandwidth requirements of this connectivity.</p> <p>2. please clarify if the DCO need to supply any parts for SWAN core switches.</p> <p>3. If yes, please provide details of SWAN core switches.</p>	<p>1) Connectivity as per DCOs solution requirement. DCO has to ensure that there should not be any bottleneck.</p> <p>2) DCO has to ensure the connectivity. Further to clarify that the modules for connectivity will be provided by SWAN operator but the accessories like cables etc would be provided by SDC DCO.</p> <p>3) DCO may visit the premises to get the ground realities.</p> <p>Note: SDC & SWAN NOC are in the same MGSIPA campus.</p>
449	2/11	1.1.4 SDC Network and Security Architecture	Please limit the free slots requirements for scalability to core switches only.	As per RFP
450	2/66	1.2.3.2 LAN Switch – Access	Please specify 48 ports instead of 24. This will help in better utilization.	Please refer corrigendum
451	2/342	1.3.3 Bill Of Quantity: Networking Components	Please include quantity of intranet firewall into the BOM	As per RFP

452	2/63	4	IPV6 procols RIPng ,OSPFv3 , Multicast PIM and MLD should have from Day one	Clarification: All the features asked should be part of the solution from Day one.
453	2/66	7	1. Switch should have internal /external redundant power supply. 2. Request to clarify if the asked protocol are required from day one.	Please refer corrigendum
454	2/69	12	Controlled SNMP Access / equivalent . Since OEM specific> Control SNMP/equivalent to access through the use of SNMP with authentication	Please refer corrigendum
455	2/69	13	Kindly modify clause "The router should have capability for load sharing /distribution on different ISP links, and should support ECMP"	Please refer corrigendum
456	2/18	1.2.2.2.2	There is no list of compatible list of RDBMS for RISC/EPIC servers. Need the list so that compatibility can be confirmed.	Please refer corrigendum
457	2/63	1.2.3.1, point 5	Please remove this clause	Please refer corrigendum
458	2/63	1.2.3.1, point 5	Please remove this clause	Please refer corrigendum
459	2/66	1.2.3.2 , point 7	Please remove this clause	Please refer corrigendum

460	2/65	1.2.3.2 , point 1	Must support port channeling across multi chassis.	As per RFP
461	2/67	1.2.3.3 , point 4	Please amend this to : 4 X 10/100/1000 baseTX Ethernet interfaces for LAN and 4 X 10/100/1000 baseTX Ethernet interfaces for WAN	As per RFP
462	2/68	1.2.3.3 , point 5	Please amend this to : The router should have a minimum of 2 Mpps throughput	As per RFP
463	2/69	1.2.3.3 , point 12	Please amend this to : Support GRE, SSL and IPSEC based encryption	As per RFP
464	2/69	1.2.3.3 , point 14	Please Remove this clause	Please refer corrigendum
465	2/71	1.2.3.4 - Point 4	Please amend this to Firewall should provide real-world performance of 5 Gbps or more. Real world profile should include but not limited to HTTP, Bit Torrent, FTP , SMTP and IMAPv4. Performance throughput should be real world traffic and not only on UDP.	As per RFP
466	2/71	1.2.3.4 - Point 4	Please amend this clause to : The firewall should provide at least 2,000,000 or more concurrent connections	Please refer corrigendum
467	2/71	1.2.3.4 - Point 4	Please amend this clause to : Should provide at least 115,000 connections per second or more.	As per RFP
468	2/71	1.2.3.4 - Point 3	Addition request : Firewall should have 64-bit operating system	As per RFP
469	2/71	1.2.3.4 - Point 4	Addition request: Firewall should support 10K VPN tunnel (Cumulative client based SSL + IPSec peers VPN) internally or externally from day one	As per RFP
470	2/73	1.2.3.4	Addition request: OEM should be in Gartner's leaders or challengers quadrant for Firewall & SSL VPN	As per RFP
471	2/72	1.2.3.4 - Point 6	Addition request: Firewall should support Identity Firewalling feature	As per RFP
472	2/72	1.2.3.4 - Point 6	Addition request: Firewall should be able to block peer-to-peer applications over http & have Botnet Filtering capabilities including blocking communication between the infected Bots & the Command & Control Centers.. Firewall OEM should provide support for any technical issues related to Botnet filtering without requiring any 3rd party support.	As per RFP
473	2/73	1.2.3.5 - Point 1	Please amend this clause to: The IPS should have minimum of 8 x 10/100/1000 ports to support up to 4 inline protected segment support.	Please refer corrigendum
474	2/74	1.2.3.5 - Point 1	Please remove this clause	As per RFP

475	2/74	1.2.3.5 - Point 2	Please amend this clause to : The IPS device should provide an overall throughput of at least 2 gbps or more	Please refer corrigendum
476	2/74	1.2.3.5 - Point 2	Addition Request: IPS should support minimum 1.5 Million concurrent sessions	As per RFP
477	2/74	1.2.3.5 - Point 4	Please remove these clause	As per RFP
478	2/	New Component		As per RFP
479	2/112	1.2.7	the requirements are not clear with regards the scope. Is the state looking for DLP for all 4 areas namely (i.e network, endpoint, messaging and storage) or only endpoint DLP is required?	As per RFP
480	2/74	1.2.3.5 Intrusion Prevention System - Internet point 2.1	Kindly modify the clause to " The IPS device should provide an overall throughput of at least 5 Gbps or more"	Please refer corrigendum
481	2/75	1.2.3.5 Intrusion Prevention System - Internet point 6	Kindly modify the clause to " High Availability 6.2 The device should support redundant power supply 6.3 It should support stateful active/passive and active/active"	As per RFP
482	2/77	1.2.3.6 End Point Protection for Servers and PCs (HIDS/ HIPS) Point 3	Kindly remove this clause	Please refer corrigendum
483	2/78	1.2.3.6 End Point Protection for Servers and PCs (HIDS/ HIPS) Point 5	Kindly remove this clause	Please refer corrigendum
484	2/78	1.2.3.6 End Point Protection for Servers and PCs (HIDS/ HIPS) Point 6	Kindly remove this clause	Please refer corrigendum
485	2/78	1.2.3.6 End Point Protection for Servers and PCs (HIDS/ HIPS) Point 7	Kindly remove this clause	Please refer corrigendum
486	2/78	1.2.3.6 End Point Protection for Servers and PCs (HIDS/ HIPS) Point 8		Please refer corrigendum
487	2/79	1.2.3.6 End Point Protection for Servers and PCs (HIDS/ HIPS) Point 12	Kindly remove this clause	Please refer corrigendum
488	2/81	1.2.3.7	Server load balancer should have ASIC based architecture or CPU based Hardware & not PC based architecture	Please refer corrigendum

489	2/81	1.2.3.7	should have 4GB RAM from day one	as per RFP
490	2/81	1.2.3.7	should support 2Gbps of throughput from day one	as per RFP
491	2/63	4	IPV6 procols RIPng ,OSPFv3 , Multicast PIM and MLD should have from Day one	Clarification: All the features asked should be part of the solution from Day one.
492	2/66	7	1. Switch should have internal /external redundant power supply. 2. Request to clarify if the asked protocol are required from day one.	Please refer corrigendum
493	2/69	12	Controlled SNMP Access / equivalent . Since OEM specific> Control SNMP/equivalent to access through the use of SNMP with authentication	Please refer corrigendum
494	2/69	15	Security: "Support DOS prevention and CGNAT and Dual Stack" Should support 300 Mbps of IPS for firsat level of security	Please refer corrigendum
495	2/69	13	Kindly modify clause "The router should have capability for load sharing /distribution on different ISP links, and should support ECMP"	Please refer corrigendum
496	2/83	8	Kindly remove	Please refer corrigendum

497	2/83	9	Kindly remove	Please refer corrigendum
498	2/83	21	Kindly remove	Please refer corrigendum
499	2/83	24	Requets to realx the clause for major OEM to participate.	Please refer corrigendum
500	2/112	1.2.7	the requirements are not clear with regards the scope. Is the state looking for DLP for all 4 areas namely (i.e network, endpoint, messaging and storage) or only endpoint DLP is required?	As per RFP
501	1/28	4.1.1 G		No query mentioned
502	2/63	4	IPV6 procols RIPng ,OSPFv3 , Multicast PIM and MLD should have from Day one	Clarification: All the features asked should be part of the solution from Day one.
503	2/66	7	1. Switch should have internal /external redundant power supply. 2. Request to clarify if the asked protocol are required from day one.	Please refer corrigendum
504	2/69	12	Controlled SNMP Access / equivalent . Since OEM specific> Control SNMP/equivalent to access through the use of SNMP with authentication	Please refer corrigendum
505	2/69	13	Kindly modify clause "The router should have capability for load sharing /distribution on different ISP links, and should support ECMP"	Please refer corrigendum

506	2/82	4	There is a huge difference between segmentation and Virtualization. Virtualization would ensure Independent Management, Independent Routing Table and Independent Resource allocation for the virtual Server Load Balancers instances. Hence we would suggest you to kindly clarify the same whether virtualization feature is required or not.	As per RFP
507	2/74	2	As per the RFP specifications, 2 x 10 G ports have been asked which is contradicting to the throughput mentioned. Hence we would request you to kindly increase the throughput also along with the Scalability factor (for better Return of Investment).	Please refer corrigendum
508	2/73	1	It is highly recommended that the NIPS solution proposed should be from different manufacturer as of Firewall to achieve Defense in Depth approach.	aS per RFP
509	1/26	D. Security	As per as the RFP end to end security is needed , would like to know the details how this is going to be implemented at the data layers as the relevant details are not clear in the RFP.	As per RFP
510	1/36	4.5.2 iii, Sr. No 22	Our understanding of this clause is that, the DCO shall Liason / coordinate wth the ISP's that are selected by Liason. kindly confirm. We would also request the Authority that all penalties pertaining to non performance of the ISP links should be directly applicable to the ISP and shall not be routed through the DCO.	Yes, your understanding is correct
511	1/57	4.5.2 iii, Sr. No 25	Are the SDC and SWAN located in the same premisis?? Else, kindly let us know the distance between them and also provide the addresses of the same.	SWAN & SDC are in the same MGSIPA campus at separate floors. DCO may visit the premises to get the ground realities.
512	2/112	1.2.7.1	1. By protect would you want to have data rights protection also to be part of the solution? Such that based on the classification solution will be able to decide if the content needs to be shared? Or needs to be accessible (with protection) only to a limited user? 2. Would this protection needs to be persistent? Which means once the protection is applied on the content, where ever the content goes, protection will always stay with it. 3. Would you want some user to have only view permission on the content and others to have edit and other permissions 4. Also is this requirement a Must have, Good to have or only compliance?	As per RFP. The solution should be able to protect from leakage of confidential information.
513	2/11	1.1.4	Please clarify whether we need to supply the Intranet firewall as well and if yes, should we follow the Internet firewall specifications?	As per RFP

514	2/75	1.2.3.5	please explain what is exactly meant with this line.	Clarification: Like DNS attack, HTTP,HTTPS, etc
515	2/78	1.2.3.6	IBM HIPS does the monitoring for file integrity, system integrety and registry integrity. Lockdown is not an HIPS functionality as it is on the OS level products which are used for system control.	Please refer corrigendum
516	2/78	1.2.3.6	IBM HIPS does the monitoring for file integrity, system integrety and registry integrity. Lockdown is not an HIPS functionality as it is on the OS level products which are used for system control.	Please refer corrigendum
517	2/78	1.2.3.6	Prevention of USB drives and CDROMS are not HIPS features, they are more of system control products.	Please refer corrigendum
518	2/32	1.2.2.6.1	CHANGE REQUESTED : Storage RAID Support - It should support various levels of RAID - 1, 4 / 5 , RAID 1+0/RAID DP.	Please refer corrigendum
519	2/32	1.2.2.6.1	CHANGE REQUESTED : Dual active-active storage Controllers with more than 16GB of cache . For vendors that require write cache mirroring for cache protection should ensure that the overheads of cache mirroring are not part of 16 GB cache.	As per RFP
520	2/33	1.2.2.6.1	CHANGE REQUESTED : The storage architecture shall have 1+1 active – active storage controllers and mirrored/Protected cache, with no single point of failures.	Please refer corrigendum
521	2/34	1.2.2.6.1	Vendor should factor Storage Operating System disk and Global Hot Spare controller level or storage array level disks as an additional to the RAW capacity mentioned	Please refer corrigendum
522	2/34	1.2.2.6.1	Licenses for software (Storage Array Management, Point-in-Time Copy, Volume Copy, multipathing, thin provisioning & de-duplication software for host) should be provided as part of the solution for the maximum storage capicity in the supplied storage	As per RFP
523	2/98	1.2.5	The replicator which will be positioned in the DR and will have the capacity to virtualize the backend storage on which NIC is giving 25TB initially . The license and the Replication equioment should be provided for the max storage capicity supported in the Storage device supplied for DC	As per RFP
524	2/20	1.2.2.2.3	Currently only Standard and Datacenter editions are available from Microsoft, shall we consider Datacenter edition is required in lieu of Enterprise edition?	Please refer corrigendum

525	2/35	1.2.2.6.2	Please clarify does DCO has to bear the Cost of Backup agent/licenses to faciliate the Backup?	Clarification: If the infrastructure on which application is hosted is provided by the DCO then it would be the DCO responsibility to provide all the support alongwith the licenses. In case application is hosted on the infrastructure other then provided by DCO beside the support for Power, Cooling, Space and monitoring all the required licenses for Backup etc will be provided by the State/User department.
526	2/13	1.2.1.1	Kindly change this to “ windows 2008 / 2012 in operating system layer”	This is Application related as is information.
527	2/17 & 21	1.2.2.2.1 & 1.2.2.3.1	Multi Fn port should be “Minimum 4 x 1 Gigabit NIC ports / 2 x 10G CNA ports per Blade Server. Two CNA ports must be divided into 6 NIC ports and 2 FC ports”	Please refer corrigendum
528	2/18	1.2.2.2.2	There is no list of compatible list of RDBMS for RISC/EPIC servers. Need the list so that compatibility can be confirmed.	Please refer corrigendum
529	2/27	1.2.2.4.1	Memory Mirroring Feature should be replaced with “online spare and lock step mode” as mem mirror is old feature and not supported bu latest HP servers	Please refer corrigendum
530	2/32	1.2.2.6.1	“450/600 GB FC/SAS HDD @15K RPM” should be replaced with “450GB or higher FC/SAS HDD @10K or higher RPM” as SFF drives don’t have 15K with these capacities as on date.	Please refer corrigendum
531	2/32	1.2.2.6.1	“8GB cache per controller and total 16GB” should be replaced with “minimum 32GB cache scalable to 64GB total cache” as raw capacity asked is 40TB as its recommended to have atleast 32GB cache for optimal performance for 30-40TB of data storage and IO. The last point in this specification also highlights the importance of performance.	As per RFP
532	2/33	1.2.2.6.1	The Front end port speed is now 8Gbps std so pls change it to 8Gbps	Please refer corrigendum
533	2/50	1.2.2.8.1 - 3	In this RFP no mail server requirement is posted, Could you please sepcify if you already have mail Server? Please provide following information. 1. What is the existing email server Installed (MS Exchange, Lotus Notes) 2. Do you already have Security protection configured on your existing Email Server? 3. If Yes, Are you looking at replacing your existing Security Solution for email servers. 4. If no email servers is existing, Are you looking at setting up new email Servers? 5. How many users/mailbox will require protection. 6. Are you okay to use a cloud based protection service for Email Server?	As per RFP
534	2/50	1.2.2.8.1 - 10	Same Clarification as mentioned above in xl sheet row no 21 coulumn no H	Proposed solution should comply with RFP requirement.

535	2/51	1.2.2.8.1 - 16	Same Clarification as mentioned above in xl sheet row no 21 coulmn no H	Proposed solution should comply with RFP requirement.
536	2/51	1.2.2.8.1 - 18	Same Clarification as mentioned above in xl sheet row no 21 coulmn no H	Proposed solution should comply with RFP requirement.
537	2/51	1.2.2.8.1 - 19	Same Clarification as mentioned above in xl sheet row no 21 coulmn no H	Proposed solution should comply with RFP requirement.
538	2/51	1.2.2.8.1 - 25	Same Clarification as mentioned above in xl sheet row no 21 coulmn no H	Proposed solution should comply with RFP requirement.
539	2/112	1.2.7.1	<p>1. By protect would you want to have data rights protection also to be part of the solution? Such that based on the classification solution will be able to decide if the content needs to be shared? Or needs to be accessible (with protection) only to a limited user?</p> <p>2. Would this protection needs to be persistent? Which means once the protection is applied on the content, where ever the content goes, protection will always stay with it.</p> <p>3. Would you want some user to have only view permission on the content and others to have edit and other permissions</p> <p>4. Also is this requirement a Must have, Good to have or only compliance?</p>	<p>As per RFP.</p> <p>The solution should be able to protect from leakage of confidential information.</p>
540	2/44	1.2.2.7	<p>1. Would you be also looking for managing your identities on AD(users, computers, security groups) from security perspective?</p> <p>a. Right user to have right access based on the business policy and roles / attributes</p> <p>b. User security group membership to change when he leaves the organization. Security groups provide access to lot of resources within the organization(such as printers, file shares and other applications)</p> <p>c. Who provided him access and when and why was it removed?</p> <p>d. Password reset in self service fashion which will increase the security and productivity. It is also a help you to save some money by not having helpdesk calls for directory service(AD) password reset</p>	<p>No change.</p> <p>Minimum has been specified in the RFP.</p>
541	2/346	1.3.6 Bill of Quantity:	Request you to kindly modilfy this to MS Windows Server 2012 Datacentre Edition OS as Enterprise edition is no more available	Please refer corrigendum
542	2/102	1.3.6 Bill of Quantity:	Please clarify expectation on "OEM Support Pack" Kindly Confirm do you require the OEM Support for the software for Implementation & Post Implementation.	Please refer corrigendum
543	2/113	1.2.7	Please clarify whether we need to supply SIM and if yes, there is no mention of the no of EPS (events per second) to be catered, whether HA required & log retention period required.	Please refer corrigendum
544	2/113	1.2.7	Please clarify whether we need to supply Policy Management and if yes, there is no mention of the no of users required.	Please refer corrigendum
545	2/34	1.2.2.6.1	The storage should be configured with 40TB (raw capacity) using FC /SAS disk & should capable to scaling up to 100TB (raw capacity). The scalability should be with 25 TB with 450/600GB GB FC / SAS disks @15K RPM & remaining 35TB with 500GB or higher capacity SATA/ FATA disks @7200 RPM	Please refer corrigendum

546	2/35	1.2.2.6.2	Backup software vendors have their own licensing methodology, restricting by OS/DB/capacity will stop other industry leader player participations. Request to rephrase this clause for other vendors to participate	As per RFP
547	2/9, 18, 23, 344	1.2.2.2.2 1.2.2.3.2	As within the RFP you have asked for RISC/ EPIC servers. We would like to clarify that to protect the investment on RISC/ EPIC servers, do you want that the proposed cloud solution should support cloud services to be delivered on both X86 - Intel and RISC based servers as and when required? Please confirm.	For Cloud only X-86 is being considered.
548	2/17, 21, 22 20, 31	1.2.2.2.1 1.2.2.3.1 1.2.2.5.1	Within RFP you have asked licenses for Red Hat Linux as operating system. Since Red Hat Linux has been Hypervisor supporting Red Hat Linux will be required; which is KVM. Also for RISC/ EPIC based servers PowerVM support would also be required. Do you want to include KVM & PowerVM support as part of the cloud solution propose? Please confirm.	Please refer corrigendum
549	2/101	1.2.6.1	There are clauses under cloud functional requirement specifications which cover Virtual Machine/ image provisioning. However from SDC solution perspective Physical Server provisioning is equally important. Apart from virtual machine provisioning do you want Physical server provisioning as well? Please confirm.	As per RFP
550	2/107	1.2.6.2	Under Cloud functional Requirement specifications workflow feature has been asked for provisioning, deployment and decommissioning. considering this requirement workflow tool should be easy to use and must offer graphical editor for composing and connecting workflows. Do you want a workflow tool that offer graphical editor for composing and connecting workflows? Please confirm.	Please refer corrigendum
551	2/		For an effective cloud solution all models of cloud i.e. IaaS (Infrastructure As A Service), PaaS (Platform As A Service) and SaaS (software As A service) are important. While there are requirements for IaaS within RFP; do you want that solution must allow for Infrastructure (IaaS) , Platform (PaaS) and Software-as-a-Service (SaaS) provisioning without the need to add additional cloud license? Please confirm.	As per RFP
552	2/32	1.2.2.6.1	Please allow 10K RPM disk of 600GB SAS as widely used 2.5" SFF HDD of 600GB capacity available in 10K RPM only.	Please refer corrigendum
553	2/33	1.2.2.6.1	Please allow SAS lanes in place of SAS ports with equal or higher aggregate backend bandwidth of 24gbps (4 x 6 Gbps). "Each storage controller shall support minimum 4 front-end FC ports and 4 backend FC/ SAS ports/Lanes. Each FC port shall support minimum 4Gbps rated bandwidth"	Please refer corrigendum

554	2/33	1.2.2.6.1	Please replace de-duplication feature with Real Time Compression.	Please refer corrigendum
555	2/34	1.2.2.6.1	Please allow 10K RPM disk of 600GB SAS as widely used 2.5" SFF HDD of 600GB capacity available in 10K RPM only.	Please refer corrigendum
556	2/34	1.2.2.6.1	Please allow 10K RPM disk of 600GB SAS as widely used 2.5" SFF HDD of 600GB capacity available in 10K RPM only.	Please refer corrigendum
557	2/34	1.2.2.6.1	Please replace de-duplication feature with Real Time Compression.	Please refer corrigendum
558	1/122	G5	Please change TPCC to IOPS and Throughput. Please ask for third party audited performance benchmarks like SPC-1 and SPC-2	Please refer corrigendum
559	1/122	G5	Please remove the word single enclosure as OEM may propose storage solution based on Multi node architecture. Please allow maximum cache supported in storage sub system instead of single enclosure.	As per RFP
560	2/15	1.2.2.1 Point no 9	Current technology does not require optical drive or USB to be accessed directly from the chassis rather it should have remote capability where an external media can connect to all the blades remotely.	Please refer corrigendum
561	2/15	1.2.2.1 Point no 6	Itanium processors are vendor specific, so request to specify a generic requirement	Please refer corrigendum
562	2/15	1.2.2.1 Point no 16	Our understanding from this point is that the two network Interconnect Modules inside the chassis should support mutual Load Balancing and Failover. Please clarify.	Please refer corrigendum
563	2/47	1.2.2.7.3 Point no 12	This server asked is in blade form factor, blade needed with 2x1Gb ports and with 4Gb FC HBA. Then availing 2 free slots on blade is not feasible as the form factor has limitations	Please refer corrigendum
564	2/18	1.2.2.2.2	Application Server- Blade Server	Please refer corrigendum
565	2/18	1.2.2.2.2 , Point no 1	Hardware specification for Web Server & Application server of RISC/EPIC Architecture --- 64 bit Server with latest generation of RISC/EPIC Processor with latest clock speed & highest Cache available at the time of bidding across quoted class of machine CPU – 4 core scalable to 8 core. CPU speed 1.6GHZ or more.Server should be capable of delivering 16000 SAPs scalable to 32000 SAPs.	Please refer corrigendum

566	2/18	1.2.2.2.2 Point no V	4*1/10 Gb Ethernet ports, 8 Gbps dual port FC HBA to be configured	Please refer corrigendum
567	2/18	1.2.2.2.2 Point no VII	Remove	Please refer corrigendum
568	2/19	1.2.2.2.2 Point no IX	Bidders shall propose 64 bit Enterprise latest version operating system.Latest version of Linux operating system(64 bit) media and documentation for system to be provided.The OS should be supplied with CPU based license.Moreover the proposed linux operating system should be compatible with the RDBMS that shall be deployed on the proposed server	Please refer corrigendum
569	2/23	1.2.2.3.2	Application Server- Blade Server	Please refer corrigendum
570	2/23	1.2.2.3.2 Point no I	Hardware specification for Web Server & Application server of RISC/EPIC Architecture --- 64 bit Server with latest generation of RISC/EPIC Processor with latest clock speed & highest Cache available at the time of bidding across quoted class of machine CPU – 4 core scalable to 8 core. CPU speed 1.6GHZ or more.Server should be capable of delivering 16000 SAPs scalable to 32000 SAPs.	Please refer corrigendum
571	2/23	1.2.2.3.2 Point no V	4*1/10 Gb Ethernet ports	Please refer corrigendum
572	2/24	1.2.2.3.2 Point no VII	8 Gbps dual port FC HBA to be configured	Please refer corrigendum
573	2/24	1.2.2.3.2 Point no VIII	Remove	Please refer corrigendum
574	2/24	1.2.2.3.2 Point no X	Bidders shall propose 64 bit Enterprise latest version operating system.Latest version of Linux operating system(64 bit) media and documentation for system to be provided.The OS should be supplied with CPU based license.Moreover the proposed linux operating system should be compatible with the RDBMS that shall be deployed on the proposed server	Please refer corrigendum
575	2/23	1.2.2.3.2 Point no II		Please refer corrigendum
576	2/15	1.2.2.1 Point no 6	Blade Server should be capable to support - UNIX/LINUX/WINDOWS Operating System	Please refer corrigendum
577	2/113		What is the no of EPS that we need to provide as part of the solution?	Please refer corrigendum
578	2/18	1.2.2.2.2	There is no list of compatible list of RDBMS for RISC/EPIC servers. Need the list so that compatibility can be confirmed.	Please refer corrigendum

579	2/13	1.2.1.1	Kindly change this to “ windows 2008 / 2012 in operating system layer”	This is Application related as is information.
580	2/17 & 21	Pg.17, 1.2.2.2.1 & Pg 21, 1.2.2.3.1	Multi Fn port should be “Minimum 4 x 1 Gigabit NIC ports / 2 x 10G CNA ports per Blade Server. Two CNA ports must be divided into 6 NIC ports and 2 FC ports”	Please refer corrigendum
581	2/18	1.2.2.2.2	There is no list of compatible list of RDBMS for RISC/EPIC servers. Need the list so that compatibility can be confirmed.	Please refer corrigendum
582	2/27	1.2.2.4.1	Memory Mirroring Feature should be replaced with “online spare and lock step mode” as mem mirror is old feature and not supported bu latest HP servers	Please refer corrigendum
583	2/32	1.2.2.6.1	“450/600 GB FC/SAS HDD @15K RPM” should be replaced with “450GB or higher FC/SAS HDD @10K or higher RPM” as SFF drives don’t have 15K with these capacities as on date.	Please refer corrigendum
584	2/32	1.2.2.6.1	“8GB cache per controller and total 16GB” should be replaced with “minimum 32GB cache scalable to 64GB total cache” as raw capacity asked is 40TB as its recommended to have atleast 32GB cache for optimal performance for 30-40TB of data storage and IO. The last point in this specification also highlights the importance of performance.	As per RFP
585	2/33	1.2.2.6.1	The Front end port speed is now 8Gbps std so pls change it to 8Gbps	Please refer corrigendum
586	2/33	1.2.2.6.1, Sr no 17	“Each storage controller shall support minimum 4 front-end FC ports and 2 backend FC/ SAS ports. Each FC port shall support minimum 8 Gbps rated bandwidth and the aggregated backend bandwidth should be 48 Gbps ”.	Please refer corrigendum
587	2/15	1.2.2.1, Clause 9	Please Remove this clause	Please refer corrigendum
588	2/16	1.2.2.1, Clause 16	Clarification required on desired functionality	Please refer corrigendum
589	2/16, 21, 26, 29, 39, 47, 53, 56	1.2.2.2.1 - Point 4; 1.2.2.3.1 - Point 3; 1.2.2.4.1 - Point 3; 1.2.2.5.1 - Point 4, 12.2.6.4 - Point 3, 1.2.2.7.3 - Point 3, 1.2.2.8.2 - Point 3; 1.2.2.9.2 - Point 3	Please amend this to : Std. compliances req.- UL, & RoHS	As per RFP
590	2/16, 21, 29	1.2.2.2.1 - Point 6; 1.2.2.3.1 - Point 5; 1.2.2.5.1 - Point 6	Recommended CPU: E5 2609 - 4 cores, 2.4Ghz, 10M L3 cache	Please refer corrigendum
591	2/18, 23	1.2.2.2.2 - Point I; 1.2.2.3.2 - Point I,	Hardware specification for Web server and Application server of RISC/EPIC / x86 architecture	Please refer corrigendum

592	2/19, 24	1.2.2.2.2 - Point IX; 1.2.2.3.2 - Point X,	Clause to be deleted in line with inclusion of x86 architecture	Please refer corrigendum
593	2/42	1.2.2.6.6 - Point 7	Please amend this clause to: Switch shall support minimum 48 ports expandable to 96 ports X 4Gbps (with port activation licenses). However bidder has to ensure sufficient number of ports of 4Gbps looking to the solution as of now including backup solution and 40% future expandability. (The bidder has to provide such adequate number of ports on SAN switch to meet the solution requirements)	Please refer corrigendum
594	2/35	1.2.2.6.2	Backup software vendors have there own licensing methodology, restricting by OS/DB/catapacity will stops other industry leader player participations. Request to re-phrase this clause for other vendors to patticipate	As per RFP
595	2/89	1.2.4	Our submission is to please rephrase the clause as " All collected performance information for monitored servers must be stored in Performance Monitoring database.Bidder has to provide monitored network, server & database alarms into central event console."	Please refer corrigendum
596	2/89	1.2.4	Our submission is to rephrase the clause as " Bidder should integrate Database performance monitoring solution such that events from monitored databased must be forwarded to central event console in order to view database specific alarms. It should also provide the faculty to run performance reporting from respective EMS consoles."	Please refer corrigendum
597	2/90	1.2.4	Our submission is to remove this clause.	Please refer corrigendum
598	2/91	1.2.4	Our submission is to repharse the clause as " The proposed system must be able to proactively determine exactly which real users were impacted by transaction defects"	Please refer corrigendum
599	2/91	1.2.4	Our submission is to please remove this clause.	Please refer corrigendum
600	2/9, 18, 23, 344	1.2.2.2.2 1.2.2.3.2	As within the RFP you have asked for RISC/ EPIC servers. We would like to clarify that to protect the investment on RISC/ EPIC servers, do you want that the proposed cloud solution should support cloud services to be delivered on both X86 - Intel and RISC based servers as and when required? Please confirm.	Please refer corrigendum
601	2/17, 21, 22 20, 31	1.2.2.2.1 1.2.2.3.1 1.2.2.5.1	Within RFP you have asked licenses for Red Hat Linux as operating system. Since Red Hat Linux has been Hypervisor supporting Red Hat Linux will be required; which is KVM. Also for RISC/ EPIC based servers PowerVM support would also be required. Do you want to include KVM & PowerVM support as part of the cloud solution propose? Please confirm.	Please refer corrigendum

602	2/32	1.2.2.6.1	Please allow 10K RPM disk of 600GB SAS as widely used 2.5" SFF HDD of 600GB capacity available in 10K RPM only.	Please refer corrigendum
603	2/33	1.2.2.6.1	Please allow SAS lanes in place of SAS ports with equal or higher aggregate backend bandwidth of 24gbps (4 x 6 Gbps). "Each storage controller shall support minimum 4 front-end FC ports and 4 backend FC/ SAS ports/Lanes. Each FC port shall support minimum 4Gbps rated bandwidth"	Please refer corrigendum
604	2/33	1.2.2.6.1	Please replace de-duplication feature with Real Time Compression.	Please refer corrigendum
605	2/34	1.2.2.6.1	Please allow 10K RPM disk of 600GB SAS as widely used 2.5" SFF HDD of 600GB capacity available in 10K RPM only.	Please refer corrigendum
606	2/34	1.2.2.6.1	Please allow 10K RPM disk of 600GB SAS as widely used 2.5" SFF HDD of 600GB capacity available in 10K RPM only.	Please refer corrigendum
607	2/34	1.2.2.6.1	Please replace de-duplication feature with Real Time Compression.	Please refer corrigendum
608	1/122	G5	Please change TPCC to IOPS and Throughput. Please ask for third party audited performance benchmarks like SPC-1 and SPC-2	Please refer corrigendum
609	2/122	G5	Please remove the word single enclosure as OEM may propose storage solution based on Multi node architecture. Please allow maximum cache supported in storage sub system instead of single enclosure.	As per RFP
610	2/15	1.2.2.1 Point no 9	Current technology does not require optical drive or USB to be accessed directly from the chassis rather it should have remote capability where an external media can connect to all the blades remotely.	Please refer corrigendum
611	2/15	1.2.2.1 Point no 6	Itanium processors are vendor specific, so request to specify a generic requirement	Please refer corrigendum
612	2/15	1.2.2.1 Point no 16	Our understanding from this point is that the two network Interconnect Modules inside the chassis should support mutual Load Balancing and Failover. Please clarify.	Please refer corrigendum

613	2/47	1.2.2.7.3 Point no 12	This server asked is in blade form factor, blade needed with 2x1Gb ports and with 4Gb FC HBA. Then availing 2 free slots on blade is not feasible as the form factor has limitations	Please refer corrigendum
614	2/18	1.2.2.2.2	Application Server- Blade Server	Please refer corrigendum
615	2/18	1.2.2.2.2 , Point no I	Hardware specification for Web Server & Application server of RISC/EPIC Architecture --- 64 bit Server with latest generation of RISC/EPIC Processor with latest clock speed & highest Cache available at the time of bidding across quoted class of machine CPU – 4 core scalable to 8 core. CPU speed 1.6GHZ or more.Server should be capable of delivering 16000 SAPs scalable to 32000 SAPs.	Please refer corrigendum
616	2/18	1.2.2.2.2 Point no V	4*1/10 Gb Ethernet ports, 8 Gbps dual port FC HBA to be configured	Please refer corrigendum
617	2/18	1.2.2.2.2 Point no VII	Remove	Please refer corrigendum
618	2/19	1.2.2.2.2 Point no IX	Bidders shall propose 64 bit Enterprise latest version operating system.Latest version of Linux operating system(64 bit) media and documentation for system to be provided.The OS should be supplied with CPU based license.Moreover the proposed linux operating system should be compatible with the RDBMS that shall be deployed on the proposed server	Please refer corrigendum
619	2/23	1.2.2.3.2	Application Server- Blade Server	Please refer corrigendum
620	2/23	1.2.2.3.2 Point no I	Hardware specification for Web Server & Application server of RISC/EPIC Architecture --- 64 bit Server with latest generation of RISC/EPIC Processor with latest clock speed & highest Cache available at the time of bidding across quoted class of machine CPU – 4 core scalable to 8 core. CPU speed 1.6GHZ or more.Server should be capable of delivering 16000 SAPs scalable to 32000 SAPs.	Please refer corrigendum
621	2/23	1.2.2.3.2 Point no V	4*1/10 Gb Ethernet ports	Please refer corrigendum
622	2/24	1.2.2.3.2 Point no VII	8 Gbps dual port FC HBA to be configured	Please refer corrigendum
623	2/24	1.2.2.3.2 Point no VIII	Remove	Please refer corrigendum
624	2/24	1.2.2.3.2 Point no X	Bidders shall propose 64 bit Enterprise latest version operating system.Latest version of Linux operating system(64 bit) media and documentation for system to be provided.The OS should be supplied with CPU based license.Moreover the proposed linux operating system should be compatible with the RDBMS that shall be deployed on the proposed server	Please refer corrigendum
625	2/23	1.2.2.3.2 Point no II		Please refer corrigendum

626	2/15	1.2.2.1 Point no 6	Blade Server should be capable to support - UNIX/LINUX/WINDOWS Operating System	Please refer corrigendum
627	2/113		What is the no of EPS that we need to provide as part of the solution?	Please refer corrigendum
628	2/113		Do you want the incident management module to integrate with CMDB for better view of the incidents. Ex- Incidnets by application/facility?	As per RFP & Solution requirement
629	2/11	1.1.4	Kindly confirm if the bidder should provide a proper database security system software tool	Provide as per solution requirement and Comply to the RFP, SLAs.
630	2/12	1.1.5	Kindly confirm if the tool should provide heterogenous database platform support as the SDC may have different RDBMS deployed eg Postgres, Oracle, SQL, DB2, MySQL etc.	Provide as per solution requirement and Comply to the RFP, SLAs.
631	2/13	1.1.6	Kindly confirm if the database security tool shall be able to manage encrypted traffic too.	Provide as per solution requirement and Comply to the RFP, SLAs.
632	2/14	1.1.7	Kindly confirm if the database security tool should not have any host agents on RDBMS server so that no changes are required on the database server	Provide as per solution requirement and Comply to the RFP, SLAs.
633	2/15	1.1.8	Kindly confirm if the Data security solution should not rely on DBMS-resident logs that may be erased by attackers, rogue insiders etc	Provide as per solution requirement and Comply to the RFP, SLAs.
634	2/16	1.1.9	Kindly confirm if the Activity logs should not be erased by attackers or DBAs or Super DBAs. Please confirm if there should be tamperproof storage mechanism.	Provide as per solution requirement and Comply to the RFP, SLAs.
635	2/17	1.1.10	Kindly confirm if the Data security solution should be able to provide complete security visibility including local DBA and super DBA access	Provide as per solution requirement and Comply to the RFP, SLAs.
636	2/18	1.1.11	Kindly confirm if the Data security solution should be able to define granular, real-time policies & auditing like : Who, what, when, how	Provide as per solution requirement and Comply to the RFP, SLAs.
637	2/78	1.2.3.6	IBM HIPS does the monitoring for file integrity, system integrety and registry integrity. Lockdown is not an HIPS functionality as it is on the OS level products which are used for system control.	Please refer corrigendum
638	2/78	1.2.3.6	Prevention of USB drives and CDROMS are not HIPS features, they are more of system control products.	Please refer corrigendum
639	2/344	1.3.5	You have asked 3 application server based on x64 & 2 for RISC/EPIC type .For licensing EMS we need to know whether 2 applications mentioned will be hosted in active - passive mode ? Also Database servers will be hosted in active passive mode?	Please refer corrigendum

640	1/67	4.8	Please clarify if application does not meet desired performance level due to insufficient hardware resources, will the department pay for additional hardware resources required	Clarification: In case there is any deficiency in the performance of the application related to Hardware sizing then the same needs to be recommended by Third Party (as appointed by state) and any enhancement is required based on Third Party recommendations then the same will be provided by State/User department.
641	1/122	Schedule G5		Please refer corrigendum
642	1/130	Schedule G12		As per RFP
643	1/131	Schedule G12		As per RFP
644	1/131	Schedule G12		As per RFP
645	2/13,	1.2.1.1	Kindly change this to “ windows 2008 / 2012 in operating system layer”	This is Application related as is information.
646	2/17, 21,	1.2.2.2.1, 1.2.2.3.1	Multi Fn port should be “Minimum 4 x 1 Gigabit NIC ports / 2 x 10G CNA ports per Blade Server. Two CNA ports must be divided into 6 NIC ports and 2 FC ports”	Please refer corrigendum
647	2/18	1.2.2.2.2	There is no list of compatible list of RDBMS for RISC/EPIC servers. Need the list so that compatibility can be confirmed.	Please refer corrigendum
648	2/27	1.2.2.4.1	Memory Mirroring Feature should be replaced with “online spare and lock step mode” as mem mirror is old feature and not supported by latest HP servers	Please refer corrigendum
649	2/32	1.2.2.6.1	“450/600 GB FC/SAS HDD @15K RPM” should be replaced with “450GB or higher FC/SAS HDD @10K or higher RPM” as SFF drives don’t have 15K with these capacities as on date.	Please refer corrigendum
650	2/32	1.2.2.6.1	“8GB cache per controller and total 16GB” should be replaced with “minimum 32GB cache scalable to 64GB total cache”	As per RFP
651	2/33	1.2.2.6.1	The Front end port speed is now 8Gbps std so pls change it to 8Gbps	Please refer corrigendum
652	1/122	Schedule G5		Please refer corrigendum
653	1/130	Schedule G12		As per RFP

654	1/131	Schedule G12		As per RFP
655	1/131	Schedule G12		As per RFP
656	2/346	1.3.6 Bill of Quantity: Software Licenses	In all the SDC RFP's procurement of oracle database software was done as per as the DEITY guidelines , for Computing Environment Requirements	As per RFP
657	2/346	1.3.6 Bill of Quantity: Software Licenses	In the RFP Microsoft Sql Server as well as open source softwares are being procured by name but oracle is not being procured. While In many of the projects in state oracle will be used.	As per RFP
658	1/25	4.1.1 Design	While the SDC design talks about these features like availability and scalability we would like to suggest that servers should be in load balancing mode. For the optimal and consistent architecture and to maximize the usage of computing resources database servers should funtion in load balancing mode.	As per RFP
659	1/20	C.2	What is the database used for HRMS application? Can the version of Oracle database for E-office application be clarified?	These are the tentative applications that may get host in SDC in future but at the same time this is not the exhaustive list. Hence, the information will be provided to DCO at the time when application is going to be host in SDC.
660	1/77	5.7.2 IT Infrastructure related service levels	It is suggested that for such a critical data center availability of the Database and Applications components should be 99.99%	As per RFP
661	1/17	3.1 SDC Overview	would you prefer the grid computing at database level to accomplish this task where ever possible?	No
662	1/27	D. Security	How the auditing of hetrogeneous databases is being done is not very clear in the overall rfp, please share details on the same.	As per RFP
663	2/346	1.3.6 Bill of Quantity: Software Licenses	In all the SDC RFP's procurement of oracle database software was done as per as the DEITY guidelines , for Computing Environment Requirements	As per RFP
664	2/346	1.3.6 Bill of Quantity: Software Licenses	In the RFP Microsoft Sql Server as well as open source softwares are being procured by name but oracle is not being procured. While In many of the projects in state oracle will be used.	As per RFP
665	1/25	4.1.1 Design	While the SDC design talks about these features like availability and scalability we would like to suggest that servers should be in load balancing mode. For the optimal and consistent architecture and to maximize the usage of computing resources database servers should funtion in load balancing mode.	As per RFP
666	1/20	C.2	What is the database used for HRMS application? Can the version of Oracle database for E-office application be clarified?	These are the tentative applications that may get host in SDC in future but at the same time this is not the exhaustive list. Hence, the information will be provided to DCO at the time when application is going to be host in SDC.

667	1/77	5.7.2 IT Infrastructure related service levels	It is suggested that for such a critical data center availability of the Database and Applications components should be 99.99%	As per RFP
668	1/17	3.1 SDC Overview	would you prefer the grid computing at database level to accomplish this task where ever possible?	NO
669	1/27	D. Security	How the auditing of heterogeneous databases is being done is not very clear in the overall rfp, please share details on the same.	As per RFP
670	2/44	1.2.2.7	<p>1. Would you be also looking for managing your identities on AD(users, computers, security groups) from security perspective?</p> <p>a. Right user to have right access based on the business policy and roles / attributes</p> <p>b. User security group membership to change when he leaves the organization. Security groups provide access to lot of resources within the organization(such as printers, file shares and other applications)</p> <p>c. Who provided him access and when and why was it removed?</p> <p>d. Password reset in self service fashion which will increase the security and productivity. It is also a help you to save some money by not having helpdesk calls for directory service(AD) password reset</p>	<p>No change.</p> <p>Minimum has been specified in the RFP.</p>
671	2/98	1.2.5 Functional requirement for Disaster Recovery Management Software	As per the RFP there is Hardware based replication mentioned . There are solutions also available which are software based disaster recovery.They can do replication based on Virtual Machines and the database running into them and at the same could also provide baremetal disaster recovery	As per RFP
672	2/102	1.3.6 Bill of Quantity:	Request you to kindly modify this to MS Windows Server 2012 Datacentre Edition OS as Enterprise edition is no more available	Please refer corrigendum
673	2/102	1.3.6 Bill of Quantity:	Bill of material & Price Schedule does not include the Software for Cloud which was been asked in the RFP	Please refer corrigendum
674	2/102	1.3.6 Bill of Quantity:	Kindly Confirm do you require the OEM Support for the software for Implementation & Post Implementation	Please refer corrigendum
675	1/39	4.2.7 Backup and Restore Services	Please confirm If there is any guideline for tape offsite like if only monthly and yearly backups to be kept offsite.	As per Policy defined by DCO & approved by SIA/TPA

676	1/39	4.2.7 Backup and Restore Services	Please specify if there is any guideline on backup policy like daily differential and weekly full. Please also confirm approx size of backup so number of tapes and vaulting space can be planned.	As per Backup Policy defined by DCO & approved by SIA/TPA
677	1/78	5.7.2 IT Infrastructure related service levels	Normally DR is designed with reduced capacity and to ensure service will be available to target users at the time of DR. Please confirm if DR also to be with 100% capacity and equipments like as of DC. Same will be required if same SLA to be planned for DR site.	As per RFP
678	1/116	Schedule G: Design and Architecture	There is no points given for Server, DR and Cloud proposal. Please confirm if points will be awarded for these.	Please refer corrigendum
679	2/10	1.1.3 SDC Platform and Storage Architecture	Please confirm if availability to be 100% or 99.5%	DCO has to ensure that all the SLAs to be met.
680	2/14	1.2.2 Technical Specifications – Platform and Storage	There are latest softwares released in market which takes time to get stable. Please confirm if software can be proposed which are running for some time and will have support till the period of contract. Please also confirm if any guideline for software marked by OEM as End of Support during period of contract..	As per RFP
681	2/15	1.2.2.1 Blade Chassis/ Enclosure	Itanium processor based blades are OEM specific. Please remove this term.	Please refer corrigendum
682	2/16	1.2.2.2 Application Web Server (Quantity – 5)	Please confirm if Windows needs to 2008 or 2012. Please confirm class of Red hat Linux (like enterprise)	Please refer corrigendum
683	2/18	1.2.2.2.2 Hardware specification of RISC/EPIC Architecture	EPIC architecture configuration bound to have only one OEM. Please share details of Operating system and database needed for same. Unix is class of operating system and there are many OS available in this class.	Please refer corrigendum
684	2/18	1.2.2.2.2 Hardware specification of RISC/EPIC Architecture	Please confirm if we can propose blade server in place of rack server.	Please refer corrigendum
685	2/20		Please confirm details of database to be supplied by bidder. We assume that application architecture is already freezed and so this needs specific OS, database and hardware to run.	Please refer corrigendum
686	2/23	1.2.2.3.2 Hardware specification of RISC/EPIC Architecture (Quantity – 2)	Please confirm if we can propose blade server in place of rack server.	Please refer corrigendum
687	2/24	1.2.2.3.2 Hardware specification of RISC/EPIC Architecture (Quantity – 2)	Please share details of middleware and RDBMs to be installed	Please refer corrigendum
688	2/25	1.2.2.3.3 Software for Application Server (Blade)	Please share details of Tomcat requirement(including user details) to complete licensing requirement.	Please refer corrigendum
689	2/26	1.2.2.4.1 Hardware specification of x64 Architecture (Quantity – 3)	Can we propose Blade server in place of rack server. If not, please share some details to understand this architecture.	Please refer corrigendum
690	2/26	1.2.2.4.1 Hardware specification of x64 Architecture (Quantity – 3)	Please confirm if any confirmation required from hardware OEM on supporting SAPS value.	Please refer corrigendum
691	2/28	1.2.2.4.2 Software for Database Server	Please confirm version and edition of MS-SQL and MySQL.	Bidder has to provide latest version for these software
692	2/29	1.2.2.5 Staging Server	There is one quantity of server requested for staging server, whereas license requested for windows and redhad linux both. Please confirm if we need to supply two licenses.	Please refer corrigendum

693	2/32	1.2.2.6.1 Storage Hardware specification (Quantity – 1)	Please specify if there is preference connectivity type (FC, iscsi) in Chassis/rack server to storage connectivity.	Minimum specification is specified. Bidder has to provide as per RFP, Proposed Solution requirement.
694	2/32	1.2.2.6.1 Storage Hardware specification (Quantity – 1)	Can we change disk capacity/type to increase IOPS?	As per RFP
695	2/35	1.2.2.6.2 Backup Solution	Please specify edition and version of RDBMS, applications and other components	As per RFP & Solution requirement
696	2/35	1.2.2.6.2 Backup Solution	We understand that fire proof cabinet to be provided by bidder. Please confirm if this is correct understanding.	Yes, your understanding is correct
697	2/	DR	Can we propose other replication method which gives better control, manageability and effective RPO reporting.	As per RFP
698	2/	Misc	In multiple points Unix operating system is mentioned. Please confirm name of OS and version for all occurrence of Unix operating system key word.	Please refer corrigendum
699	2/	Misc	Please confirm if server operating system to boot from local disks or san disks.	As per RFP
700	2/	Misc	For web and application server there are few servers requested on x64 and few on RISC/EPIC. Please share setup to understand how this overall setup is architected.	Please refer corrigendum
701	2/	Misc	In multiple points MS windows enterprise operating system requirement mentioned. please confirm name of OS and version for all occurrence of MS windows enterprise operating system key word.	Please refer corrigendum
702	2/	Misc	In multiple places rack servers requested and blade server requested. Can we put rack server to blade and blade to rack based on further optimization?	As per RFP
703	2/34	1.2.2.6.1 Storage Hardware specification	Please confirm if total raw capacity required is 40TB only.	As per RFP
704	2/18	1.2.2.2.2	There is no list of compatible list of RDBMS for RISC/EPIC servers. Need the list so that compatibility can be confirmed.	Please refer corrigendum
705	2/27	1.2.2.4.1	Memory Mirroring Feature should be replaced with “online spare and lock step mode” as mem mirror is old feature and not supported in all latest servers	Please refer corrigendum
706	2/32	1.2.2.6.1	“450/600 GB FC/SAS HDD @15K RPM” should be replaced with “450GB or higher FC/SAS HDD @10K or higher RPM” as SFF drives don’t have 15K with these capacities as on date.	Please refer corrigendum
707	2/32	1.2.2.6.1	“8GB cache per controller and total 16GB” should be replaced with “minimum 32GB cache scalable to 64GB total cache” as raw capacity asked is 40TB as its recommended to have atleast 32GB cache for optimal performance for 30-40TB of data storage and IO. The last point in this specification also highlights the importance of performance.	As per RFP
708	2/33	1.2.2.6.1	The Front end port speed is now 8Gbps std so pls change it to 8Gbps	Please refer corrigendum
709	2/15	1.2.2.1, Clause 9	Please Remove this clause	Please refer corrigendum
710	2/16	1.2.2.1, Clause 16	Clarification required on desired functionality	Please refer corrigendum

711	2/16, 21, 26, 29, 39, 47, 53, 56	1.2.2.2.1 - Point 4; 1.2.2.3.1 - Point 3; 1.2.2.4.1 - Point 3; 1.2.2.5.1 - Point 4, 12.2.6.4 - Point 3, 1.2.2.7.3 - Point 3, 1.2.2.8.2 - Point 3; 1.2.2.9.2 - Point 3	Please amend this to : Std. compliances req.- UL, & RoHS	As per RFP
712	2/16, 21, 29	1.2.2.2.1 - Point 6; 1.2.2.3.1 - Point 5; 1.2.2.5.1 - Point 6	Recommended CPU: E5 2609 - 4 cores, 2.4Ghz, 10M L3 cache	Please refer corrigendum
713	2/18, 23	1.2.2.2.2 - Point I; 1.2.2.3.2 - Point I,	Hardware specification for Web server and Application server of RISC/EPIC / x86 architecture	Please refer corrigendum
714	2/19, 24	1.2.2.2.2 - Point IX; 1.2.2.3.2 - Point X,	Clause to be deleted in line with inclusion of x86 architecture	Please refer corrigendum
715	2/344	1.3.5	You have asked 3 application server based on x64 & 2 for RISC/EPIC type .For licensing EMS we need to know whether 2 applications mentioned will be hosted in active - passive mode ? Also Database servers will be hosted in active passive mode?	Please refer corrigendum
716	2/50	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 3	Need clarification	Proposed solution should comply with RFP requirement.
717	2/50	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 10	Requesting you to kindly remove this clause	Proposed solution should comply with RFP requirement.
718	2/51	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 16	Requesting you Kindly remove this clause	Proposed solution should comply with RFP requirement.
719	2/51	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 18		Proposed solution should comply with RFP requirement.
720	2/51	1.2.2.8 Anti-Virus Solution (with 50 user licenses) Point 19		Proposed solution should comply with RFP requirement.
721	2/18	1.2.2.2.2	Request you to ammend the clause as " Hardware specification for Web Server & Application server of RISC/EPIC Architecture --- 64-bit Server with latest generation of RISC/EPIC Processor with latest clock speed & highest Cache available at the time of bidding across quoted class of machine CPU – 1 Processor Socket 8Core Scalable to 2 Processor Socket 16 Cores. CPU speed 1.6GHZ or more	Please refer corrigendum
722	2/18	1.2.2.2.2	Request you to ammend the clause as " Min 32GB RAM Scalable upto 256GB	Please refer corrigendum
723	2/23	1.2.2.3.2	Please specify the Form Factor ,as in the Heading it says Rack Server	Please refer corrigendum

724	2/23	1.2.2.3.2	Request you to ammend the clause as " Hardware specification for Web Server & Application server of RISC/EPIC Architecture --- 64-bit Server with latest generation of RISC/EPIC Processor with latest clock speed & highest Cache available at the time of bidding across quoted class of machine CPU – 1 Processor Socket 8Core Scalable to 2 Processor Socket 16 Cores. CPU speed 1.6GHZ or more	Please refer corrigendum
725	2/23	1.2.2.3.2	Request you to ammend the clause as " Min 32GB RAM Scalable upto 256GB	Please refer corrigendum
726	2/32	1.2.2.6.1	Request you to ammend the clause as " The storage subsystem shall support 450/600 GB FC/SAS HDD @10K RPM or better and 500GB or Higher SATA/FATA or NL-SAS disk drives	Please refer corrigendum
727	2/33	1.2.2.6.1	Request you to ammend the clause as "The storage shall support and configured with storage based Point-in-time copy and full volume copy. The storage shall also support thin provisioning & Dynamic LUN and RAID migration"	Please refer corrigendum
728	2/34	1.2.2.6.1	Request you to ammend the clause as "The storage should be configured with 40TB (raw capacity) using FC /SAS disk & should capable to scaling up to 100TB (raw capacity). The scalability should be with 25 TB with 450/600GB GB FC / SAS disks @ 10K RPM or better & remaining 35TB with 500GB or higher capacity SATA/ NL-SAS disks @7.2K RPM or better"	Please refer corrigendum
729	2/34	1.2.2.6.1	Request you to ammend the clause as " 40TB RAW capacity should be configured with 450GB or higher capacity FC /SAS disk @10K RPM or better.	Please refer corrigendum
730	2/53	1.2.2.8.2	This point is contradicting with heading "Anti-Virus Solution – Hardware – Blade Server" Request you to ammend the heading as "Anti-Virus Solution – Hardware – Rack Server	Please refer corrigendum
731	2/54	1.2.2.8.2	This clause need to be removed	Please refer corrigendum
732	2/98-100	1.2.5	For deployment of DR Management solution, is the customer willing to give downtime on all production servers to install agents, which would mean increase in effort and project timelines.	As per RFP
733	2/98-100	1.2.5	Traditional DR automation solutions are architected to carry out DR drills and Failover operations by a single server. Is the customer looking for a more robust solution, without dependency on 1 sever (no Single Point of Failure), and which enables parallel processing (when doing drills or failover in actual disaster scenario) thereby ensuring operations are completed within specified RTO.	As per RFP
734	2/93	1.2.4 SDC EMS Architecture	This should be removed from EMS.	Please refer corrigendum

735	2/95	1.2.4 SDC EMS Architecture	This should be removed from EMS.	Please refer corrigendum
736	1/20	C.1	Please specify what all applications to be supported by DCO	Various application from all over the state will be deployed in DC.
737	1/37	4.2.4	Please specify (approx) the size of data would be for back-up on daily/monthly basis	As per Backup Policy defined by DCO & approved by SIA/TPA
738	1/38	4.2.6	For Hardware break-fix services, consumables like batteries, plastic parts, printer consumables etc would be provided by Punjab state. Is this understanding correct?	DCO has to provide.
739	2/102	1.2.6.2	Since ask is for a true heterogeneous cloud framework to be integrated with third party and EMS, Helpdesk etc. It should be mentioned that element managers (Server managers, storage managers, network manager etc) for respective elements should be provided along with their infrastructure and those must support open and web services API which support SOAP, RESTful API's, CLI, Telnet, SSH, Powershell etc.	As per RFP. Cloud should be able to get integrated with EMS which will be configured at SDC
740	2/102	1.2.6.2	Functionalities like malware protection, detailed monitoring and performance analysis, capacity planning, patch management are typically not a part of a cloud framework. These are necessary modules which should be asked in a separate requirement and cloud solutions should be able to integrate with those modules. This is should be clarified in the cloud solution requirements	As per RFP
741	2/102	1.2.6.2	Since Cloud implementation is a complex activity and required highly skilled resources and best practices, it is required that OEM of the cloud solution should provide design and onsite implementation services along with Bidder.	As per RFP
742	2/105	1.2.6.2 , Service Provisioning Capabilities - Point - III	Suggest to include support for RISC,EPIC & Unix system (IBM AIX, Solaris, HP-UX) as well for provisioning capabilities of the cloud solution.	Presently for cloud only X-86 architecture is being cosidered.
743	2/107	1.2.6.2 , Service Provisioning Capabilities - Point - XV	This requires a separate inventory management solution like CMDB which is not a cloud framework solution. Pls clarify if this is to be provided. Suggest a separate specification be issued for inventory management	Please refer corrigendum
744	2/	1.2.6.2 , Service Provisioning Capabilities - Point - xvi	Identity management is separate solution like active directory. Cloud portal can provide this feature by integrating with AD. Pls clarify if customer has already have some active directory solution.	Please refer corrigendum
745	2/	1.2.6.2 , Service Provisioning Capabilities - Point - xx	For chargeback and billing generally separate solutions are needed than cloud. Is the chargeback solution also required at this time. If not pls modify the clause to "the same solution should have the capability to be integrated into Charge-Back solution whenever this whenever asked by SDC.	Please refer corrigendum
746	2/107	1.2.6.2	Under Cloud functional Requirement specifications workflow feature has been asked for provisioning, deployment and decommissioning. considering this requirement workflow tool should be easy to use and must offer graphical editor for composing and connecting workflows. Do you want a workflow tool that offer graphical editor for composing and connecting workflows? Please confirm.	Please refer corrigendum

747	/		For an effective cloud solution all models of cloud i.e. IaaS (Infrastructure As A Service), PaaS (Platform As A Service) and SaaS (software As A service) are important. While there are requirements for IaaS within RFP; do you want that solution must allow for Infrastructure (IaaS) , Platform (PaaS) and Software-as-a-Service (SaaS) provisioning without the need to add additional cloud license? Please confirm.	As per RFP
748	2/104	1.2.6.2	Request of removal of clause as it is not related to cloud software	Please refer corrigendum
749	2/101	1.2.6	From licensing perspective please provide the no. of servers with corresponding Physical CPU sockets that need to be managed by the cloud management software layer ?	Please refer corrigendum
750	2/101	1.2.6	Are you looking for Cloud BOM or you are only looking for licensing mechanism to be provided for future price discovery for cloud components?	Please refer corrigendum
751	2/101	1.2.6	Is the SI supposed to provide indicative hardware sizing to host cloud software in SDC for future?	Please refer corrigendum
752	2/102	1.2.6.2 - Cloud Enablement	Request you to kindly remove Novell Netware & Solaris Support as these are not widely used Operating system	Please refer corrigendum
753	2/98	1.2.5 Functional requirement for Disaster Recovery Management Software	As per the RFP there is Hardware based replication mentioned . There are solutions also available which are software based disaster recovery.They can do replication based on Virtual Machines and the database running into them and at the same could also provide baremetal disaster recovery	As per RFP
754	2/346	1.3.6 Bill of Quantity:	Bill of material & Price Schedule does not include the Software for Cloud Enablement which has been asked in the RFP. Kindly request to amend BoQ by including cloud software as well.	Please refer corrigendum
755	2/101	1.2.6 Functional Requirement Specification for Cloud	Please clarify, list of applications identified for deploying on Cloud. Are these applications developed for cloud or does it need any changes.	As per RFP
756	2/101	1.2.6 Functional Requirement Specification for Cloud	In case of application development or changes required to be ported to Cloud, will State/Department own? Generally application porting is handled by application team not Infra Operator, in the interest of Project success we kindly request you to remove this clause from RFP.	As per RFP

757	2/104	1.2.6.2 Functional Requirement Specification for Cloud	Please clarify, existing malware protection solution in SDC. And confirm VM Licensing and integration with component required are available with SDC ?	Please refer corrigendum
758	2/104	1.2.6.2 Functional Requirement Specification for Cloud	Please clarify, existing IDS/IPS solution in SDC. And confirm VM Licensing and integration with component required are available with SDC ?	Please refer corrigendum
759	2/110	1.2.6.2 Functional Requirement Specification for Cloud	Will SDC have or provide required EMS license for VM monitoring? Or we need quote it as part of Solution. Kindly request to add this line item in Financial Bid to ensure every bidder quote for it.	Please refer corrigendum
760	2/112	1.2.7	Please clarify whether we need to supply DLP and if yes, there is no mention of the no of users required for DLP in Bill of material	Please refer corrigendum
761	2/102	1.2.6.2	Since ask is for a true heterogeneous cloud framework to be integrated with third party and EMS, Helpdesk etc. It should be mentioned that element managers (Server managers, storage managers, network manager etc) for respective elements should be provided along with their infrastructure and those must support open and web services API which support SOAP, RESTful API's, CLI, Telnet, SSH, Powershell etc.	As per RFP. Cloud should be able to get integrated with EMS which will be configured at SDC
762	2/102	1.2.6.2	Functionalities like malware protection, detailed monitoring and performance analysis, capacity planning, patch management are typically not a part of a cloud framework. These are necessary modules which should be asked in a separate requirement and cloud solutions should be able to integrate with those modules. This is should be clarified in the cloud solution requirements	As per RFP
763	2/102	1.2.6.2	Since Cloud implementation is a complex activity and required highly skilled resources and best practices, it is required that OEM of the cloud solution should provide design and onsite implementation services along with Bidder.	As per RFP
764	2/105	1.2.6.2 , Service Provisioning Capabilities - Point - III	Suggest to include support for RISC,EPIC & Unix system (IBM AIX, Solaris, HP-UX) as well for provisioning capabilities of the cloud solution.	Please refer Corrigendum
765	2/107	1.2.6.2 , Service Provisioning Capabilities - Point - XV	This requires a separate inventory management solution like CMDB which is not a cloud framework solution. Pls clarify if this is to be provided. Suggest a separate specification be issued for inventory management	Please refer corrigendum
766	2/107	1.2.6.2 , Service Provisioning Capabilities - Point - xvi	Identity management is separate solution like active directory. Cloud portal can provide this feature by integrating with AD. Pls clarify if customer has already have some active directory solution.	Please refer corrigendum
767	2/107	1.2.6.2 , Service Provisioning Capabilities - Point - xx	For chargeback and billing generally separate solutions are needed than cloud. Is the chargeback solution also required at this time. If not pls modify the clause to "the same solution should have the capability to be integrated into Charge-Back solution whenever this whenever asked by SDC.	Please refer corrigendum
768	2/104	1.2.6.2	Request of removal of clause as it is not related to cloud software	Please refer corrigendum

769	2/101	1.2.6	From licensing perspective please provide the no. of servers with corresponding Physical CPU sockets that need to be managed by the cloud management software layer ?	Please refer corrigendum
770	2/101	1.2.6	Are you looking for Cloud BOM or you are only looking for licensing mechanism to be provided for future price discovery for cloud components?	Please refer corrigendum
771	2/101	1.2.6	Is the SI supposed to provide indicative hardware sizing to host cloud software in SDC for future?	Please refer corrigendum
772	/		Is it the overall backup window i.e D2D2T or only for D2D	Refer clause 1.2.2.6.2 / Pg 35 / RFP Vol 1
773	/		Please specify the retention period for Backup on disk	As per RFP & Solution requirement
774	/		Does vendor has to supply license for all the three units or for 5 DB&10OS/25TB Capacity License?	As per RFP
775	/35	1.2.2.6.2	We will factor the backup licenses for all the servers supplied through this RFP	As per RFP & Solution requirement
776	/		Please specify number of OS and Application instances which will be replicated at the DR site	As per RFP
777	/		Please specify the Infrastructure required at DR	As per RFP
778	/		Is the understanding correct that the storage/replicator appliance at storage should virtualize external storage?	As per RFP & Solution requirement.
779	/		Above functionality will require the storage at DC to be virtualization capable	As per RFP & Solution requirement.
780	2/98	1.2.5	Please specify the RPO&RTO required for individual application	Depends on the application requirement as and when deployed.
781	2/101		Please consider rewording it as "The Solution should support open standards"	AS per RFP
782	2/103	Server Virtualization Functional Capabilities : Hypervisor	Since physical resources are not part of hypervisor & configuration Management & compliance for both physical & virtual resources can be managed by EMS , please consider moving this clause to EMS section & remove from hypervisor section.	As per RFP
783	2/104		Moving Virtual Machines from One site to another site comes under DR solution, since SDC is looking at holistic DR solution (for Physical as well as virtual machines) please remove this clause from Hypervisor section	As per RFP
784	2/105 & 106		These are delivered through EMS & security system (IPS/Firewall etc.) Since the cloud solution already demands integration with EMS & Security system these clause should be removed. Also this clauses are need to be removed to eliminate vendor lock in. Please remove these clause or move them to EMS specifications	As per RFP
785	2/105		Please consider adding Physical to Physical migration (P2P)	As per RFP

786	2/106	Service Portal Capabilities	For any cloud solution the first time tenants needs to be created & their quota needs to be defined, please consider removing the word “Automatically”	Please refer corrigendum
787	2/106		SDC is building private cloud & only the state departments would be using the cloud services delivered through SDC Cloud platform, hence a Role based identity mechanism should be used instead of signup & registration, Please consider changing it to: the Solution should integrate with LDAP or role based access mechanism to deliver services to various departments	As per RFP
788	2/107	xiii) The Solution must provide the capability to support the following Service Request Types or reasons for contact:	<p>Please consider generalizing this specs as this is vendor specific specs, Please change this to The Solution must provide the capability to support the following Service Request Types or reasons for contact:</p> <p>i. Provisioning of Commuting Infrastructure - Virtual, Physical or Applications ii. configuration changes: (CPU, Memory, Disk, lease period, power off, de-provision, delegate to different user etc.) for the above infrastructure. iii. Schedule the service for a later date. iv. log ticket with helpdesk for the service. v. De-Provision the service: Delete the service completely & return the resources to the shared resource pool</p>	As per RFP
789	2/107	xv) The Solution should allow easy inventory tracking all the physical & virtual assets in the Private Cloud. It should provide capabilities to track S/W licenses usage and non-compliance situations.	Please consider moving this clause to EMS solution	As per RFP
790	2/107	xxiv) The Solution should provide quality-of-service capabilities for storage I/O so as to ensure that the most important virtual machines get adequate I/O resources even in times of congestion.	This is a vendor specific specs & that too restricted to one virtualization technology, Please remove this clause	As per RFP
791	2/108	User Department		As per RFP

792	2/109	SDC Private Cloud Administrator Requirement	Automated Scale up & Scale down requires a monitoring of the cloud service & there could be multiple monitoring parameters (CPU, Memory, Network, Storage, Application response time etc.) to enable automated scale up & scale down its necessary to be certain of the number of application instances & their exact monitoring parameters, from Scope of work & Implementation point of view in a cloud environment the number of application could not be established hence request to remove the automatic word, as the services can always be scaled up or down by manual process as and when required	As per RFP
793	2/	1.2.5, Functional requirement for Disaster Recovery Management software, Point no. 2	Does Punjab SD desire to have a DR Management Software which integrates with native OS clusters for complete application recovery? The integration with native OS clusters for any recovery and testing ensures that recovery automation can be achieved for any OS and its cluster without any additional component.	As per RFP.
794	2/	1.2.5, Functional requirement for Disaster Recovery Management software, Point no. 3	Does Punjab SDC desire to have a workflow based approach for conducting DR drills? A workflow based approach to conduct DR drill ensures that DR testing happens across all layers of the application	As per RFP.
795	2/	1.2.5, Functional requirement for Disaster Recovery Management software, Point no. 4	Does Punjab SDC desire to have reports like BCP testing, DR readiness, application readiness, DR integrity? Out-of-box reports like these enable an organization to have a documented view of DR readiness which can also be used as a proof for any compliance/regulations	Customize reports can also be asked as per requirement. As per RFP
796	2/	1.2.5, Functional requirement for Disaster Recovery Management software, Point no. 5	Does Punjab SDC desire a reputed DR Management software which has been deployed in atleast 5 organizations in India with total assets/income of atleast 3000 crore and is rated by an independent analyst like Gartner etc? A DR management software which has a significant customer base and has been rated by independent analysts ensures a smooth deployment, environment compatibility and DR SLAs.	As per RFP & Solution requirement.
797	2/	1.2.5, Functional requirement for Disaster Recovery Management software, Point no. 5	Does Punjab SDC desire a DR Management software which has been tested and certified by STQC? STQC testing and certification ensures that the DR Management software cannot be exploited for the commonly known security vulnerabilities which can compromise confidential data	As per RFP & Solution requirement.
798	1/32	Schedule H	Request to remove or reduce weightage the following items 1. KVM switch, LCD Monitor, Keyboard 2. HIDS 3. LAN Passive Components	Please refer corrigendum
799	2/113		What is the no of EPS that we need to provide as part of the solution?	Please refer corrigendum
800	2/113		Do you want the incident management module to integrate with CMDB for better view of the incidents. Ex- Incidents by application/facility?	As per RFP & Solution requirement
801	2/113		Do you want us to provide real time threat intelligence as part of the SIM to highlight outgoing traffic to malicious domains and identify patterns like botnet	Please refer corrigendum

802	2/113		Do you want us to do two way integration of Incident managenet system policy management system to ensure that all asset data is seen in SIM tool and all incidents are seen in Incident dashboard?	Please refer corrigendum
803	2/113		Do you want us to capture network session also apart from log collection for event reconstruction and playback?	Please refer corrigendum
804	2/113		Do you want us to provide N level workflow as part of incident workflow? Ex- automatic notification sent to analysts' manager if he doesn't handle security incident in 2 hours. If no futher action is taken, notification is sent to manager's manager and further upto N level.	Please refer corrigendum
805	2/63	1.2.3.1, point 5	Please remove this clause	Please refer corrigendum
806	2/42	1.2.2.6.6 - Point 7	Please amend this clause to: Switch shall support minimum 48 ports expandable to 96 ports X 4Gbps (with port activation licenses). However bidder has to ensure sufficient number of ports of 4Gbps looking to the solution as of now including backup solution and 40% future expandability. (The bidder has to provide such adequate number of ports on SAN switch to meet the solution requirements)	Please refer corrigendum
807	2/11	1.1.4	Kindly confirm if the bidder should provide a proper database security system software tool	Provide as per solution requirement and Comply to the RFP, SLAs.
808	2/12	1.1.5	Kindly confirm if the tool should provide heterogenous database platform support as the SDC may have different RDBMS deployed eg Postgres, Oracle, SQL, DB2, MySQL etc.	Provide as per solution requirement and Comply to the RFP, SLAs.
809	2/13	1.1.6	Kindly confirm if the database security tool shall be able to manage encrypted traffic too.	Provide as per solution requirement and Comply to the RFP, SLAs.
810	2/14	1.1.7	Kindly confirm if the database security tool should not have any host agents on RDBMS server so that no changes are required on the database server	Provide as per solution requirement and Comply to the RFP, SLAs.
811	2/15	1.1.8	Kindly confirm if the Data security solution should not rely on DBMS-resident logs that may be erased by attackers, rogue insiders etc	Provide as per solution requirement and Comply to the RFP, SLAs.
812	2/16	1.1.9	Kindly confirm if the Activity logs should not be erased by attackers or DBAs or Super DBAs. Please confirm if there should be tamperproof storage mechanism.	Provide as per solution requirement and Comply to the RFP, SLAs.
813	2/17	1.1.10	Kindly confirm if the Data security solution should be able to provide complete security visibility including local DBA and super DBA access	Provide as per solution requirement and Comply to the RFP, SLAs.
814	2/18	1.1.11	Kindly confirm if the Data security solution should be able to define granular, real-time policies & auditing like : Who, what, when, how	Provide as per solution requirement and Comply to the RFP, SLAs.
815	2/74	1.2.3.5	The Internet Firewall has total throughput of 5 GBPS, IPS sitting inline needs to be matched for better performance.	Please refer corrigendum

816	2/75	1.2.3.5	please explain what is exactly meant with this line.	Clarification: Like DNS attack, HTTP,HTTPS, etc
817	2/78	1.2.3.6	IBM HIPS does the monitoring for file integrity, system integrety and registry integrity. Lockdown is not an HIPS functionality as it is on the OS level products which are used for system control.	Please refer corrigendum
818	2/78	1.2.3.6	IBM HIPS does the monitoring for file integrity, system integrety and registry integrity. Lockdown is not an HIPS functionality as it is on the OS level products which are used for system control.	Please refer corrigendum
819	2/78	1.2.3.6	Prevention of USB drives and CDROMS are not HIPS features, they are more of system control products.	Please refer corrigendum
820	2/18	1.2.2.2.2	There is no list of compatible list of RDBMS for RISC/EPIC servers. Need the list so that compatibility can be confirmed.	Please refer corrigendum
821	2/112	1.2.7	the requirements are not clear with regards the scope. Is the state looking for DLP for all 4 areas namely (i.e network, endpoint, messaging and storage) or only endpoint DLP is required?	As per RFP
822	2/77	1.2.3.6 End Point Protection for Servers and PCs (HIDS/HIPS) Point 3	Kindly remove this clause	Please refer corrigendum
823	2/78	1.2.3.6 End Point Protection for Servers and PCs (HIDS/HIPS) Point 5	Kindly remove this clause	Please refer corrigendum
824	2/78	1.2.3.6 End Point Protection for Servers and PCs (HIDS/HIPS) Point 6	Kindly remove this clause	Please refer corrigendum
825	2/78	1.2.3.6 End Point Protection for Servers and PCs (HIDS/HIPS) Point 7	Kindly remove this clause	Please refer corrigendum
826	2/78	1.2.3.6 End Point Protection for Servers and PCs (HIDS/HIPS) Point 8		Please refer corrigendum
827	2/79	1.2.3.6 End Point Protection for Servers and PCs (HIDS/HIPS) Point 12	Kindly remove this clause	Please refer corrigendum

828	2/112	1.2.7	the requirements are not clear with regards the scope. Is the state looking for DLP for all 4 areas namely (i.e network, endpoint, messaging and storage) or only endpoint DLP is required?	As per RFP
829	2/66	7	1. Switch should have internal /external redundant power supply. 2. Request to clarify if the asked protocol are required from day one.	Please refer corrigendum
830	2/69	12	Controlled SNMP Access / equivalent . Since OEM specific> Control SNMP/equivalent to access through the use of SNMP with authentication	Please refer corrigendum
831	2/69	13	Kindly modify clause "The router should have capability for load sharing /distribution on different ISP links, and should support ECMP"	Please refer corrigendum
832	2/74	2	As per the RFP specifications, 2 x 10 G ports have been asked which is contradicting to the throughput mentioned. Hence we would request you to kindly increase the throughput also along with the Scalability factor (for better Return of Investment).	Please refer corrigendum
833	2/73	1	It is highly recommended that the NIPS solution proposed should be from different manufacturer as of Firewall to achieve Defense in Depth approach.	As per RFP
834	1/26	D. Security	As per as the RFP end to end security is needed , would like to know the details how this is going to be implemented at the data layers as the relevant details are not clear in the RFP.	Bidder should provide the solution that complies to the RFP & Solution requirements.
835	1/36	4.5.2 iii, Sr. No 22	Our understanding of this clause is that, the DCO shall Liason / coordinate wth the ISP's that are selected by Liason. kindly confirm. We would also request the Authority that all penalties pertaining to non performance of the ISP links should be directly applicable to the ISP and shall not be routed through the DCO.	Yes, your understanding is correct

836	2/112	1.2.7.1	<p>1. By protect would you want to have data rights protection also to be part of the solution? Such that based on the classification solution will be able to decide if the content needs to be shared? Or needs to be accessible (with protection) only to a limited user?</p> <p>2. Would this protection needs to be persistent? Which means once the protection is applied on the content, where ever the content goes, protection will always stay with it.</p> <p>3. Would you want some user to have only view permission on the content and others to have edit and other permissions</p> <p>4. Also is this requirement a Must have, Good to have or only compliance?</p>	<p>As per RFP</p> <p>The solution should be able to protect from leakage of confidential information.</p>
837	2/32	1.2.2.6.1	CHANGE REQUESTED : Storage RAID Support - It should support various levels of RAID - 1, 4 / 5 , RAID 1+0/RAID DP.	Please refer corrigendum
838	2/32	1.2.2.6.1	CHANGE REQUESTED : Dual active-active storage Controllers with more than 16GB of cache . For vendors that require write cache mirroring for cache protection should ensure that the overheads of cache mirroring are not part of 16 GB cache.	As per RFP
839	2/33	1.2.2.6.1	CHANGE REQUESTED : The storage architecture shall have 1+1 active – active storage controllers and mirrored/Protected cache, with no single point of failures.	Please refer corrigendum
840	2/34	1.2.2.6.1	Vendor should factor Storage Operating System disk and Global Hot Spare controller level or storage array level disks as an additional to the RAW capacity mentioned	Please refer corrigendum
841	2/34	1.2.2.6.1	Licenses for software (Storage Array Management, Point-in-Time Copy, Volume Copy, multipathing, thin provisioning & de-duplication software for host) should be provided as part of the solution for the maximum storage capacity in the supplied storage	Please refer corrigendum
842	2/98	1.2.5	The replicator which will be positioned in the DR and will have the capacity to virtualize the backend storage on which NIC is giving 25TB initially . The license and the Replication equioment should be provided for the max storage capacity supported in the Storage device supplied for DC	As per RFP
843	2/264	iX	What is the age of archiving?	As per RFP
844	2/264	iX	Is the requirement of archiving Online/Offline Archiving?	As per RFP
845	2/28	4.1.2	Kindly define the necessary clearances required incase of any changes to the Civil, Mechanical & Electrical requirement at the SDC	As per RFP
846	/	General	What would be the new submission timelines on the proposal?	Please refer corrigendum