

SECTION IV – CONTENTS OF BIDS

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Annexe 4.1.1

A. TECHNICAL BID

BID PARTICULARS FOR Bid No. _____

1. Name of the Bidder _____
 2. Address of the Bidder _____
 3. Name of the Manufacturer/Developer of the Products offered _____
 4. Address of the Manufacturer/Developer of the Products offered _____
 5. Place of Manufacture/Development of the Products offered _____
 6. Service Facilities available for maintenance _____
 7. Availability of spare parts (for Hardware Components) _____
 8. Bidders Proposal Number and date _____
 9. Name and address of the officer to whom all references shall be made regarding this bid _____
- Tel. No. _____
Cell No. _____
Fax No. _____

Witness :

Signature -----

Name -----

Address -----

Date -----

Bidder :

Signature -----

Name -----

Address -----

Date -----

Company Seal

Annexe 4.1.2

Technical Bid Letter

To

**The Deputy Director General (Technology)
Unique Identification Authority of India (UIDAI)
Tower I, 9th Floor,
Jeevan Bharati Building,
Connaught Circus,
New Delhi – 110001.**

Ref : Bid No. _____

Sir,

We declare:

- (i) That we are manufacturers / system integrators of -----

 - (ii) That we/our principals are equipped with adequate machinery for production quality control and testing of offered products manufactured/developed and used by us and that our development establishment is open for inspection by the representatives of the Unique Identification Authority of India.
2. We hereby offer to supply the Goods/Services at the prices and rates mentioned in the **Annexe 4.2.3 to 4.2.8** of the Commercial Bid.

3. PERIOD OF DELIVERY

We do hereby undertake that, in the event of acceptance of our bid, the supply of Goods/Services shall be made as stipulated in the Schedule to the Bid Document as given in **Annexe 4.1.6** and that we shall perform all the incidental services.

4. TERMS OF DELIVERY

The prices quoted are inclusive of all charges including installation and commissioning charges in the UIDAI at the locations as mentioned in **Appendix E**.

5. We enclose herewith the complete **Technical Bid** as required by you. This includes **Section IV** comprising of:

S. No.	Description
(i)	Bid Particulars (Annexe 4.1.1)
(ii)	Technical Bid Letter (Annexe 4.1.2)
(iii)	Technical details of Goods/Services offered (Annexe 4.1.3)
(iv)	Statement of Deviation(s) from Schedule of Requirements (Annexe 4.1.4)
(v)	Statement of Deviation(s) from Tender Terms & Conditions (Annexe 4.1.5)
(vi)	Timelines (Annexe 4.1.6)
(vii)	Warranty (Annexe 4.1.7)
(viii)	Manufacturer's Authorization Form (Annexe 4.1.8)

(ix)	Maintenance Infrastructure Facilities (Annexe 4.1.9)
(x)	Response Sheet for Goods Offered (Annexe 4.1.10)
(xi)	Blade Server (Annexe 4.1.11)
(xii)	Blade Chassis (Annexe 4.1.12)
(xiii)	Rack Server (Annexe 4.1.13)
(xiv)	IP KVM Switches (Annexe 4.1.14)
(xv)	SAN Access Switch (Annexe 4.1.15)
(xvi)	Access Switch - Management and Security (Annexe 4.1.16)
(xvii)	Access Switch - DC LAN (Annexe 4.1.17)
(xviii)	LINUX OS Enterprise Edition (Annexe 4.1.18)
(xix)	HIDS (Annexe 4.1.19)
(xx)	Rack Mountable PDU (Annexe 4.1.20)
(xxi)	Server Racks (600 x 1200)mm (Annexe 4.1.21)
(xxii)	Communication Racks (800 x 1200)mm (Annexe 4.1.22)
(xxiii)	Statement of Undertaking from OEM (Appendix E)
(xxiv)	Un-priced Commercial Bid (please refer to Clause 37.2(a) Section II)

6. We agree to abide by our offer for a period of **180 days** from the date fixed for the opening of the bids and that we shall remain bound by a communication of acceptance within that time.
7. We have carefully read and understood the terms & conditions of the tender and the conditions of the contract applicable to the tender and we do hereby undertake to supply as per these terms and conditions. The deviations from the Schedule of Requirements are only those mentioned in **Annexe 4.1.4**. The deviations from the tender Terms and Conditions are only those mentioned in **Annexe 4.1.5**.
8. Certified that the bidder is :
 - a) The Constituted attorney of the company and the person signing the bids is the constituted attorney of the Company.
 - OR**
 - b) The Principal Officer or his duly Authorized Representative of the Company, and he has the authority to refer to arbitration disputes concerning the business of the Company by virtue of the general power of attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariably be duly attested by the person authorized to sign the tender document.)
9. Bid Security (**Earnest Money**), in original, for an amount equal to **Rs. _____ (Rupees _____ only)** is enclosed in the Cover containing **Pre-Qualifying Bid** in the form of specified in **Clause 12 of Section II**.
10. We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and placement of Letter of Intent awarding the Contract, shall constitute a binding contract between us.

Dated this day of 2014

Signature of the bidder

Name :

Full Address :

Telephone No :

Fax No :

Details of enclosures:

1.

2.

3.

4.

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Annexe 4.1.3

TECHNICAL DETAILS OF GOODS OFFERED

S No.	Description of Goods/Services	Quantity (Nos.)	@ Make and Model	* Deviations (if any)
1	Blade Server (Annexe 4.1.11)			
2	Blade Chassis (Annexe 4.1.12)			
3	Rack Server (Annexe 4.1.13)			
4	IP KVM Switches (Annexe 4.1.14)			
5	SAN Access Switch (Annexe 4.1.15)			
6	Access Switch - Management and Security (Annexe 4.1.16)			
7	Access Switch - DC LAN (Annexe 4.1.17)			
8	LINUX OS Enterprise Edition (Annexe 4.1.18)			
9	HIDS (Annexe 4.1.19)			
10	Rack Mountable PDU (Annexe 4.1.20)			
11	42 U Racks			
11.a	Server Racks (600 x 1200)mm (Annexe 4.1.21)			
11.b	Communication Racks (800 x 1200)mm (Annexe 4.1.22)			
12	Any other items			

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

@ Make Model of the offered Goods should be indicated. Also, see Section V – Schedule of Requirements.

* If the specification of any offered item is different from the required, as given in Annexe 4.1.11 to 4.1.22 and Section V – Schedule of Requirements, the details of the same may be indicated in this column also.

Annexe 4.1.4

**STATEMENT OF DEVIATIONS FROM SCHEDULE OF
REQUIREMENTS**

Dear Sirs,

Following are the Technical deviations and variations from the Schedule of Requirements. These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be performed as per your specifications and documents.

Sl. No.	Section No.	Clause No.	Page No.	Statement of deviations and variations
--------------------	------------------------	-----------------------	---------------------	---

Signature of Witness
Date
Place

Signature of Bidder
Date
Place

Annexe 4.1.5

**STATEMENT OF DEVIATIONS FROM TENDER TERMS AND
CONDITIONS**

Dear Sirs,

Following are the Technical deviations and variations from the Schedule of Requirements. These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be performed as per your specifications and documents.

Sl. No.	Section No.	Clause No.	Page No.	Statement of deviations and variations
--------------------	------------------------	-----------------------	---------------------	---

Signature of Witness
Date
Place

Signature of Bidder
Date
Place

Annexe 4.1.6

(Please see Clause 22 of the General Conditions of Contract and Clause 13 Section V)

TIMELINES

S No.	Description of Goods / Services	Quantity (Nos.)	Date of delivery from date of issue of Purchase Order	Date of installation from date of issue of Purchase Order	Date of commissioning from date of issue of Purchase Order
1	Blade Server (Annexe 4.1.11)	705			
		600			
2	Blade Chassis (Annexe 4.1.12)	60			
		60			
3	Rack Server (Annexe 4.1.13)	60			
		60			
4	IP KVM Switches (Annexe 4.1.14)				
5	SAN Access Switch (Annexe 4.1.15)				
6	Access Switch - Management and Security (Annexe 4.1.16)				
7	Access Switch - DC LAN (Annexe 4.1.17)				
8	LINUX OS Enterprise Edition (Annexe 4.1.18)				
9	HIDS (Annexe 4.1.19)				
10	Rack Mountable PDU (Annexe 4.1.20)				
11	42 U Racks				
11.a	Server racks (600 x 1200)mm (Annexe 4.1.21)				
11.b	Communication Racks (800 x 1200)mm (Annexe 4.1.22)				
12	Any other items				

Note :

- All Racks should be delivered within **4 (four) weeks** from the date of issue of Purchase Order.
- **Phase-I:** Blade Server, Blade Chassis, Rack Server should be delivered in 6(six) weeks from Purchase order.
- **Phase-II:** Blade Server, Blade Chassis, Rack Server should be delivered in 8(eight) weeks from Purchase order
- All other items should be delivered in 6(six) weeks from purchase order.

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

Annexe 4.1.7

WARRANTY

We warrant that everything to be supplied by us hereunder shall be brand new, free from all encumbrances, defects and faults in material, workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for materials of the type ordered shall be full conformity with the specifications, drawings or samples, if any, and shall operate properly. We shall be fully responsible for its efficient and effective operation. This warranty shall survive inspection of and payment for, and acceptance of the goods, but shall expire after **3 Years (36 months)** in respect of Servers, Blade Chassis and **1 Year (12 months)** in respect of all other goods, after their successful installation and acceptance by the Purchaser.

The obligations under the Warranty expressed above shall include all costs relating to labour, spares, maintenance (preventive and unscheduled), and transport charges from site to manufacturers works and back and for repair/adjustment or replacement at site of any part of the equipment which under normal care and proper use and maintenance proves defective in design, material or workmanship, or fails to operate effectively and efficiently or conform to the specifications and for which notice is promptly given by the purchaser to the supplier.

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

Annexe 4.1.8

MANUFACTURER'S AUTHORIZATION FORM

To

**The Deputy Director General (Technology)
Unique Identification Authority of India (UIDAI)
Tower I, 9th Floor,
Jeevan Bharati Building,
Connaught Circus,
New Delhi – 110001.**

Dear Sir,

Sub : Bid No. _____

We _____ who are established and reputable manufacturers of _____ having factories at _____ do hereby authorize M/s _____ (Name and address of Bidder) only to bid, negotiate and conclude the contract with you against Bid No. _____ dated _____ for the above goods manufactured by us.

2. It is certified that no company / firm, other than M/s _____ (Name and address of Bidder), is authorized to bid against Bid No. _____ dated _____.

3. We hereby extend our full guarantee and warranty for the goods offered for supply against this invitation for bid by the above firm.

Yours faithfully

(Name)

For and on behalf of M/s.

(Name of manufacturer)

Date:

NOTE: This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

Annexe 4.1.9

MAINTENANCE INFRASTRUCTURE FACILITIES

Details of the Service Centre(s)					
Name of City where located	Address	Contact Person	Telephone Number(s)	Fax Number(s)	Remarks

Signature of Witness
Date
Place

Signature of Bidder
Date
Place

Annexe 4.1.10

RESPONSE SHEET FOR GOODS OFFERED

S No.	Description of Goods	Quantity Offered (Nos.)	Make and Model offered by bidder	Remarks (if any)
1	Blade Server (Annexe 4.1.11)			
2	Blade Chassis (Annexe 4.1.12)			
3	Rack Server (Annexe 4.1.13)			
4	IP KVM Switches (Annexe 4.1.14)			
5	SAN Access Switch (Annexe 4.1.15)			
6	Access Switch - Management and Security (Annexe 4.1.16)			
7	Access Switch - DC LAN (Annexe 4.1.17)			
8	LINUX OS Enterprise Edition (Annexe 4.1.18)			
9	HIDS (Annexe 4.1.19)			
10	Rack Mountable PDU (Annexe 4.1.20)			
11	42 U Racks			
11.a	Server Racks (600 x 1200)mm (Annexe 4.1.21)			
11.b	Communication Racks (800 x 1200)mm (Annexe 4.1.22)			
12	Any other items			

Witness :

Signature -----

Name -----

Address -----

Date -----

Bidder :

Signature -----

Name -----

Designation -----

Address -----

Date -----

Company Seal

Annexe – 4.1.11

BLADE SERVER

Sl. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make						
2	Model						
3	Power requirement		KVA				
4	Power Specification		India Power Specification in terms of Phase Voltage and Frequency	phi, V, H			
5	Processor	Processor	E5-2630 v3 or higher				
6		Cores	8	No of cores			
7		Clock Speed	2.4 GHz				
8		Cache	Min 2.5 Mb per Core	MB			
9		Technology / Lithography	22nm	No of CPU/Sockets in one server			
10	No of Processors	Qty	2 Processors				
11		Architecture	x86, 64 Bit				
12	Server Type	Half Blade	Yes	Yes/No			
13	Memory	Capacity	128GB				
14		Speed	1.8 GHz or Higher	GB			
15		Type	DDR 4	GHz			
16		DIMM Size	16 GB or Higher				
17		Min Free Slots (when 256GB RAM populated)	8	GB			

Sl. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
18		Upgradability to	512 GB or Higher				
19		Memory Channels	4	GB			
20		Memory Bandwidth	64 Gbps or Higher				
21		Advanced ECC	Yes	Gbps			
22	OS	Linux	RHEL version 6.5				
23	Virtualization Support		Yes				
24			Support Xen,KVM, Hyper-V and other leading Hypervisors				
25	Network	1 Gbps	Quad Port 1 Gbps Ethernet				
26		10 Gbps	Dual Port 10 Gbps Ethernet				
27	HBA	8/16 Gbps	Dual Port Fibre Channel HBA				
28	Local Disks	Type	SSD Enterprise Grade				
29		Interface	6 Gbps/12Gbps SAS/SATA				
30		Disk Type	SSD Enterprise Grade				
31		Qty	2				
32		Capacity	100/120 GB				
33	Warranty	3 years warranty with24x7 onsite support, 99.9% uptime, 4 Hr resolution time	YES				
34							
35	Benchmarks						
36		SPECinrate_2006	650				
37		SPECfprate_2006	530				
38	Support	Is the proposed product EOL or will reach EOL within 12 months from date of submission of bid or 6 months from the date of acceptance, whichever is later ?	NO				

Sl. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
39		Will the proposed product reach end-of-support during the next 5 years	NO				
40	High Availability		No Single point of Failure				
41	Remote Management		Yes				
42		IPMI Support	Yes				
43		KVM Support	Yes				
44	EnergyStar Rating		Yes	YES/NO			
45	Power Supply	Dual Redundant Power Supply, Dual Power Source	Yes				
46	Maximum Power	Peak Power	Peak Power Utilization at Chassis level when loaded with 11 blades at 100% utilization of the above specification should be 4 KVA or less				

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

Annexe – 4.1.12

BLADE CHASSIS

Sl. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make						
2	Model						
3	Chassis	Size	10 U	U			
4		No of half blades in chassis	12 or higher				
5		Chassis Dimension	Compatible with Rack Specification				
6	Networking						
7		Uplink Ports	10 Gbps minimum 4	Gbps			
8		Uplink Ports	1 Gbps Minimum 8	Gbps			
9		Uplink Ports	8/16 Gbps FC Ports Minimum 8	Gbps			
10	Interconnect	L3 Switches	1 Gbps Dual Redundant Manageable Switches with interconnect to all the blades	Gbps			
11		L3 Switches	10 Gbps Dual Redundant Manageable Switches with interconnect to all the blades	Gbps			
12	Management	Management Ports	1Gbps/10Gbps	Gbps			
13		KVM Ports	1Gbps/10Gbps	Gbps			
14	Power	Power Supply	Dual Redundant N+1, Dual Power Source	YES/NO			
15		Fans	Redundant N+1	YES/NO			

Sl. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
16		Power Supply Standard/Efficiency	Platinum	YES/NO			
17		Back Plane	Dual/Redundant with no single point of failure				
18		Electrical Specs	Single Phase				
19		Voltage/Frequency	Indian Standards	YES/NO			
20		Hot swappable power supply	YES				
21		Dual AC input	YES				
22		Power Consumption at Full load	Peak Power Utilization at Chassis level when loaded with 11 blades at 100% utilization of the above specification should be 4 KVA or less	KVA			
23		Power Consumption at normal load		KVA			
24		Heat Dissipation at full load		BTU/Hr			
25		Heat Dissipation at normal load		BTU/Hr			
26		Acoustic Noise at Full Load (fully loaded blade chassis) as per ISO 9296		LWAd and LpAm			
27		Acoustic Noise at normal Load (fully loaded blade chassis) as per ISO 9296		LWAd and LpAm			
28		Operating Temperature and Humidity					

Sl. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
29	Support	Is the proposed product EOL or will reach EOL within 12 months from date of submission of bid or 6 months from the date of acceptance, whichever is later ?	NO	YES/NO			
30		Will the proposed product reach end-of-support during the next 5 years	NO	YES/NO			
31	Warranty	3 years warranty with 24x7 onsite support, 99.9% uptime, 4 Hr resolution time	YES	YES/NO			

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

Annexe – 4.1.13

RACK SERVER

S. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make						
2	Model						
3	Processor	Processor	E5-2650 V3 or higher	U			
4		Cores	10				
5		Clock Speed	2.3 GHz				
6		Cache	2.5 MB per Core or Higher				
7		Technology / Lithography	22nm				
8	No of Processors	Qty	2 Processors				
9		Architecture	x86, 64 Bit				
10	Server Type	Rack	Yes	YES/NO			
11		Size	2U	U			
12	Memory	Capacity	256 GB	GB			
13		Speed	1.8 GHz	GHz			
14		Type	DDR 4				
15		DIMM Size	16 GB or higher	GB			
16		Min Free Slots	0				
17		Upgradability to	512 GB or Higher	GB			
18		Memory Channels	4				
19		Memory Bandwidth	64 Gb/s or Higher	Gb/s			
20		Advanced ECC	Yes				
21	OS	Linux	RHEL 6.5 Support				

Sl. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
22	Virtualization Support		Yes	YES/NO			
23			Support Xen,KVM, Hyper-V and other leading Hypervisors				
24	Network	1 Gbps	Quad Port 1 Gbps Ethernet				
25		10 Gbps	Dual Port 10 Gbps Ethernet				
26	HBA	8/16 Gbps	Dual Port Fibre Channel HBA				
27	Local Disks	Type	SATA/SAS				
28		Interface	6 Gbps/12Gbps SAS/SATA				
29		Disk Type	SATA/SAS				
30		Disk Size	2.5" or 3.5"				
31		Min RPM	10k RPM				
32		Qty	25				
33		Capacity	1 TB each				
34	Array Controller		Smart Array Controller with Battery Backed up Cache				
35		Raid Support	Raid 0,1,4				
36		Additional Drives	Upto 24 SSD/SATA/SSD/FC Drive Support				
37							
38	Warranty	3 years warranty with 24x7 onsite support, 99.9% uptime, 4 Hr resolution time	YES				
39	Benchmarks						
40		Specintrate_2006	810				

Sl. No	Feature	Parameter	Requirement	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
41		Specfprate_2006	630				
42	Support	Is the proposed product EOL or will reach EOL within 12 months from date of submission of bid or 6 months from the date of acceptance, whichever is later ?	NO				
43		Will the proposed product reach end-of-support during the next 5 years	NO				
44	High Availability		No Single point of Failure				
45	Remote Management		Yes				
46		IPMI Support	Yes				
47		KVM Support	Yes				
48	EnergyStar Rating		Yes				
49	Power Supply		Dual Redundant Power Supply, Dual Power Source				
50		Rating	Platinum				
51		Voltage/Frequency	As per Indian Standards				
52	Cooling	Fans	Dual Redundant				
53	Slot	PCI/PCI-E	Min 2 Free Slots				

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

Annexe – 4.1.14

IP KVM Switches

Sl No	Parameters	Minimum Requirements	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make					
2	Model					
3	Form Factor/Dimension		(U) / HxWxD(mm)			
4	Power requirement		KVA			
5	Power Specification	Indian power specifications in terms of Phase, Voltage and Frequency	Ø,V,Hz			
6	Current Rating		Amp			
7	Number, Rating, Type of power points required		Quantity, Amp, Type			
8	Production Certification					
9	Architecture					
a	Stand alone enterprise class enterprise and standalone IP KVM	Yes				
b	Support for all leading brand of products not limiting to IBM,Dell,HP, Cisco,EMC, etc	Yes				
c	Supports control of multiplatform servers and serial-based (async) device	Yes				
d	No of 100/1000 Mbps Ethernet port	2				
e	No of console ports	32				
14	Management					
a	Browser Based Management	Yes				
b	SSH/Telnet Access	Yes				

SI No	Parameters	Minimum Requirements	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
c	SNMP Based Management	Yes				
d	Muti user access	Yes				
15	Software	Latest release with all supported required features to be proposed				
16	Mounting					
17	Compatability with proposed network devices	Yes				
18	Compatability with proposed servers	Yes				
19	Power Supply					
a	Hot Swappable Power supply					
b	(N+1) redundant power supply	No				
c	Dual AC input proposed					
20	Cooling Fans					
a	Hot Swappable Cooling Fans proposed					
b	(N+1) redundant Cooling Fans proposed	No				
21	Support					
a	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO				
b	Will the proposed product/solution reach End-of-Sale during the currency of contract? If so, specify details.					
c	Will the proposed product/solution reach End-of-support during the currency of contract?	NO				
22	Support industry leading management products like Openview, Tivoli, etc	Yes				
23	Mouse synchronization	Yes				

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

Annexe – 4.1.15

SAN Access Switches

SL No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make					
2	Model					
3	Form Factor/Dimension		(U) / HxWxD(mm)			
4	Power requirement		KVA			
5	Power Specification	Indian power specifications in terms of Phase, Voltage and Frequency	Ø,V,Hz			
6	Current Rating		Amp			
7	Number, Rating, Type of power points required		Quantity, Amp, Type			
8	Operating temperature range	0 to 40°C	°C			
9	Operating Relative Humidity range (non-condensing)	10 to 90%	%			
10	Production Certification					
11	Total no. of ports on the proposed switch	48	Units			
12	Non blocking architecture in the proposed FC switch	YES	YES / NO			
13	Throughput of each FC port	8 Gbps full duplex	Gbps			
14	Support for 4/8 Gb/s HBAs	8 Gbps Fiber Channel	YES / NO			
15	Fabric Latency with no contention		µs			
16	Aggregate min backplane Switch bandwidth	768	Gbps			
17	Protocol Supported					
18	FC	Yes	YES / NO			
19	FCP	Yes	YES / NO			

SL No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
20	FC-AL	Yes	YES / NO			
21	Max. No. of Frame Buffers		Units			
22	Designed for high availability with no Single Point of Failure	YES	YES / NO			
23	Power Supply					
24	Hot Swappable Power supply proposed	YES	YES / NO			
25	(N+1) redundant power supply proposed	YES	YES / NO			
26	Dual AC input proposed	YES	YES / NO			
27	Cooling Fans					
28	Hot Swappable Cooling Fans proposed	YES	YES / NO			
29	(N+1) redundant Cooling Fans proposed	YES	YES / NO			
30	Capability for streaming the data in multiple paths with	YES	YES / NO			
31	Optimization algorithms for streaming data through shortest available path.	YES	YES / NO			
32	Capabilities for cascading of switches	YES	YES / NO			
33	Non-disruptive firmware update	YES	YES / NO			
34	End to end performance monitoring	YES	YES / NO			
35	HBA management with FDMI	YES	YES / NO			
36	Support for POST & online diagnostics	YES	YES / NO			
37	Capability to interface with host based adapters (HBA) of multiple OEM, supporting multiple Operating System including but not limited to AIX, HP-UX, Linux, Solaris, Windows, etc.	YES	YES / NO			
38	Support all leading SAN disk arrays and tape libraries including but not limited to EMC, IBM, Hitachi, HP, NetApp, StorageTek, Sun, etc..	YES	YES / NO			
39	Zoning and security					

SL No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
40	Support for hardware -enforced zoning	YES	YES / NO			
41	Policy based security and centralised fabric management	YES	YES / NO			
42	Support for Encrypted password	YES	YES / NO			
43	Support for PKI Digital certificates	YES	YES / NO			
44	Support for FCAP authentication	YES	YES / NO			
45	Support for RADIUS, SSL / HTTPS, SSH, SNMP V3	YES	YES / NO			
46	Support for LUN masking	YES	YES / NO			
47	Support for port binding	YES	YES / NO			
48	Support for port masking	YES	YES / NO			
49	Encryption of management data using standard encryption methods via secure telnet or ssh v2	YES	YES / NO			
50	Support for Hardware based trunking	YES	YES / NO			
51	Support for dynamic Load balancing of links with no overhead	YES	YES / NO			
52	Estimated ratings					
53	Per port performance (IOPS)		IOPS			
54	No. of IOPS supported by each Fiber Channel Switch		IOPS			
55	Compatability with proposed network devices	Yes	YES/NO			
56	Compatability with proposed servers	Yes	YES/NO			
57	Support					
58	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO	YES / NO			

SL No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
59	Will the proposed product/solution reach End-of-Sale during the currency of contract? If so, specify details.		YES / NO			
60	Will the proposed product/solution reach End-of-support during the currency of contract?	NO	YES / NO			
61	Support for integration with proposed Enterprise Management Platform	YES	YES/NO			
62	Thermal and Energy Management	YES	YES/NO			
63	Existing Product(s) with which compatibility is required of the proposed product: EMC Connectrix MDS 9148 EMC Connectrix 9513	Yes (compatibility is required)	YES/NO			

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Annexe – 4.1.16
Access Switch - Management and Security

Sl No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make					
2	Model					
3	Form Factor/Dimension		(U) / HxWxD(mm)			
4	Power requirement		KVA			
5	Power Specification	Indian power specifications in terms of Phase, Voltage and Frequency	Ø,V,Hz			
6	Current Rating		Amp			
7	Number, Rating, Type of power points required		Quantity, Amp, Type			
8	Operating temperature range	0 to 40°C	°C			
9	Operating Relative Humidity range (non-condensing)	5% to 95% percent, noncondensing	%			
10	Production Certification					
11	Architecture	Chassis based Multilayer Switch with sufficient modules/line cards to fit required transceivers/UTP ports. Chassis shall have minimum 7 usable slots and dual switching engines. Non blocking architecture with statefull failover				
14	Switch Redundancy/High Availability Features					

SI No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
	Switches should be proposed with redundant supervisor/CPU/Switching fabric,power supplies and fans etc	Yes	YES / NO			
	Components like modules/power supplies/fan tray should be hot swappable. The performance of the switch in Gbps and Mbps rating should not reduce upon failure of any one supervisor/CPU/Switching fabric.	yes	YES / NO			
	Primary and redudnant management module with statefull failover and one of the CPU module should not affect the performance of the switch	yes	YES / NO			
15	Throughput	450 Mpps or higher	mpps			
16	Memory	DRAM - 1GB or Higher Flash Memory -1GB or higher	GB			
17	Backplane Capacity	720 Gbps	Gbps			
18	Ports	32- RJ 45, 10/100/1000 Autosensing, 8 - 10G Ports - Switch should be either standalone or clustered (not more than 2 switches, without impacting the overall performance/throughput, availability and ports)	units			
19	Connectivity					

SI No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
	802.3ad based standar port/link aggregation, Jumbo frames, storm control	Yes	YES / NO			
20	Switching features	.				
	L2 switch ports and VLAN trunks, no of VLANs at least 4000 and MAC addresses at least 50000.	Yes	YES / NO			
	Auto Negotitation of trunking protocol and VLAN trunking authentication with MD5.	Yes	YES / NO			
	Auto discovery of Layer 2 network devices and provides the mechanisum to detect connectivity issues both fiber and copper cabling	Yes	YES / NO			
	Support IGMP snooping v1, v2 and v3	Yes	YES / NO			
21	security	, .				
	802.1X Network Security and Radius/TACACS (or TACACS+),AAA authentication	Yes	YES / NO			
	MAC Address filtering based on source and desintination address, Port based and policy based security	Yes	YES / NO			
	Integrated with DHCP snooping,per port broadcast, unicast and multicast storm control	Yes	YES / NO			

SI No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
	support for various ACLs like port based/time based, Standard/ Extended ACLs/Virtual CALs, Port based ACLs,mechanisums or features to filter unwanted traffic, support large number of security and QOS ACLs with performance impact.Local Command Accounting and logging	Yes	YES / NO			
	Deep inspection Firewall (internal/external) capability with 4Gig performance and scalable for non-blocking operation for 10Gig interfaces -	Yes	YES / NO			
	Logical/Virtual firewall					
	IPS capability (internal/external) with minimum 500Mbps inline prevention. Access lists to limit telnet and SNMP access	YES	YES / NO			
22	Routing and routing features					
	Provides load balancing over multiple switches, Layer 3 or 4 switching and routing capabilities.	Yes	YES / NO			

SI No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
	Supports static routing, OSPF, IS-IS, RIPv1/v2, BGP4, OSPFv3, RIPng, ICMP, ICMP discovery Support IPv6 in hardware and software RIPng, OSPFv3, IGMPv6, DHCPv6. Support MD5 and Rapid convergence.	yes	YES / NO			
23	Firewall module (internal/external)	Yes	unit			
24	Network Protocols		YES / NO			
	DNS, DHCP, TFTP, NTP, BOOTP relay, etc	Yes	YES / NO			
25	Quality Of Service					
	Support Enterprise QOS Management, Classification of traffic and admission control based on Physical Port, IP Source, Destination address, IP destination/source address/L4 port, rsvp.	YES	YES / NO			
	Support congestion avoidance using WRED, multi queue thresholds. Support the policing aggregate-Flow, excess-rate policing, flow control based on source and destination	YES	YES / NO			
26	Multicast					

SI No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
	IPv4 and IPv6 Multicasting, IGMP v1,v2,v3, IGMP snooping, PIM/SM/SSM for ipv4 and ipv6	YES	YES / NO			
27	Other features supported	standards such as ieee802.3,ieee802.3u,ieee803z,802.3ab, ieee802.1D,ieee802.1w,ieee802.1s, ieee802.1p, ieee802.1Q, 802.1x Chassis should support hardware Modules like Network analysis (RMON II) etc.	YES / NO			
28	Management					
	Switch support SNMP v1, v2, v3, RMON enabled, GUI, Web based interface,Compatibility with auto discovery. Telnet and SSH support	Yes	YES / NO			
	Switch should support mirroring feature for monitoring network traffic of a particular port/VLAN/Group of ports or remote port mirroring across switches for remote monitor.	yes	YES / NO			
	Switch support the rolebased access control to limit access to switch operations.	yes	YES / NO			
	The switch should support configuration verification and single configuration file for all operations	yes	YES / NO			

SI No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
29	Software	Latest release with all supported features to be proposed				
30	Mounting	Standard 19-in rack with required hardware				
31	Compatability with proposed network devices	Yes	YES/NO			
	Compatability with proposed security devices	yes				
32	Compatability with proposed servers	Yes	YES/NO			
33	Power Supply					
	Hot Swappable Power supply proposed	yes	YES / NO			
	(N+1) redundant power supply proposed	YES	YES / NO			
	Dual AC input proposed	yes	YES / NO			
34	Cooling Fans					
	Hot Swappable Cooling Fans proposed	yes	YES / NO			
	(N+1) redundant Cooling Fans proposed	YES	YES / NO			
35	Support					
	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO				

SI No	Parameters	Minimum Requirement	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
	Will the proposed product/solution reach End-of-Sale during the currency of contract? If so, specify details.					
	Will the proposed product/solution reach End-of-support during the currency of contract?	NO				
36	Thermal Management and Energy Management	YES	YES/NO			
63	Existing Product(s) with which compatibility is required of the proposed product: Cisco Catalyst WS-C6509-V-E	Yes (compatibility is required)	YES/NO			

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Annexe – 4.1.17

Access Switch –DC LAN

Sl No	Parameters	Minimum Requirements	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make					
2	Model					
3	Form Factor/Dimension		(U) / HxWxD(mm)			
4	Power requirement		KVA			
5	Power Specification	Indian power specifications in terms of Phase, Voltage and Frequency	Ø,V,Hz			
6	Current Rating		Amp			
7	Number, Rating, Type of power points required		Quantity, Amp, Type			
8	Operating temperature range	0 to 40°C (32 to 104°F)	°C			
9	Operating Relative Humidity range (non-condensing)	5 to 95% (noncondensing)	%			
10	Production Certification					
11	Architecture					
12	Enterprise class rackmountable switch.	YES	YES / NO			
13	Switch fabric capacity	900 Gbps	gbps			
14	Switch forwarding rates	600 mpps	mpps			

SI No	Parameters	Minimum Requirements	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
15	10G/Gigabit Ethernet port	40 ports -10g, 4 ports - 1G, 4 ports - FC. Switch should be either standalone or clustered (not more than 3 switches, without impacting the overall performance/throughput, availability and ports)	unit			
16	Support consolidating IP, Storage, FC and traditional Ethernet protocols into single media	YES	YES / NO			
17	Non-blocking switch architecture	YES	YES / NO			
18	Connectivity					
19	802.3ad based standard port/link aggregation, Jumbo frames, storm control	YES	YES/NO			
20	Switching features					
21	Support but not limited to - L2 Fiber/Copper ports and Fiber channel ISL trunks or FCOE trunks/equivalent (with the same functionality)	YES	YES/NO			
22	Support at least 500 VLAN and 15000 MAC Address	YES	YES/NO			
23	Datacenter bridging exchange, ieee 802.1Qbb and ieee802.1Qaz	YES				

SI No	Parameters	Minimum Requirements	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
24	Switch support auto device discovery and storm control	YES				
25	DNS,TFTP and NTP protocol	YES	YES/NO			
26	Security		YES/NO			
27	802.1X Network Security and Radius/TACACS ,AAA authentication	YES	YES/NO			
28	MAC Address filtering based on source and destination address	YES	YES/NO			
29	support for various ACLs like port based/time based, vlan based and Standard/Extended ACLs, mechanism to filter unwanted traffic		YES/NO			
30	Network Protocols					
31	DNS,DHCP,TFTP, NTP, BOOTP relay,layer3 ,routing protocols like RIP,OSPF,BGP/ISI-IS for IPV4 and support for IPV6	YES	YES/NO			
32	Quality Of Service					
33	port-based COS assignment and COS trust	YES	YES/NO			

SI No	Parameters	Minimum Requirements	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
34	minimum 4 number of hardware queues per port	YES				
35	Policy based traffic classification based on Layer 2 to Layer 4	YES	YES/NO			
36	Multicast					
37	IGMP v1,v2,v3, IGMP snooping	YES	YES/NO			
38	Other features supported	standards such as ieee802.3,802.3ab, ieee802.3ae, 802.1ae/802.1x (with mac access control), ieee802.1D,ieee802.1w,ieee802.1s, ieee802.1p, ieee802.1Q, 802.1x,802.3ad,802.1X,ieee802.3x	YES/NO			
39	Management		YES/NO			
40	SNMP v1, v2, v3, RMON/RMON-II enabled, SSH,telnet,GUI, Web management	YES	YES/NO			
41	Switch should support port mirroring feature for monitoring network traffic of a particular port/VLAN/group of ports/Fiber Channel ports..	YES	YES/NO			
42	Built-in real-time performance monitoring capabilities	YES	YES/NO			
43	Software	Latest release with all supported required features as needed	YES/NO			

SI No	Parameters	Minimum Requirements	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
44	Mounting					
45	Compatible with proposed network devices	YES	YES/NO			
46	Compatible with proposed servers	YES	YES/NO			
47	Power Supply					
48	Hot Swappable Power supply proposed	YES	YES / NO			
49	(N+1) redundant power supply proposed	YES	YES / NO			
50	Dual AC input proposed	YES	YES / NO			
51	Cooling Fans					
52	Hot Swappable Cooling Fans proposed	YES	YES / NO			
53	(N+1) redundant Cooling Fans proposed	YES	YES / NO			
54	Support					
55	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO	YES/NO			

Sl No	Parameters	Minimum Requirements	Unit of Measure	Compliance (Y/N)	Specification Offered	Deviations if Any
56	Will the proposed product/solution reach End-of-Sale during the currency of contract? If so, specify details.		YES/NO			
57	Will the proposed product/solution reach End-of-support during the currency of contract?	NO	YES/NO			
58	Thermal Management and Energy Management	YES	YES/NO			
63	Existing Product(s) with which compatibility is required of the proposed product: CISCO N5K-C5548P-FA	Yes (compatibility is required)	YES/NO			

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Annexe – 4.1.18

Linux Operating System

S. No	Parameter/ Features	Minimum Requirements	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Product Name	Enterprise Linux with virtualization				
2	Version	RHEL 6.5				
3	No. of Licenses					
	Server	1425				
	Physical CPU/sockets per server	2, 64-bit, x86, compatible with the proposed blade and rack servers				
4	Memory					
	Physical memory per server	96	GB			
	File system size (each)	10	TB			
5	Support					
	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO	YES / NO			
	Provide new version upgrades, updates, patches, etc. for all the components / sub-components through the period of contract	YES	YES / NO			

S. No	Parameter/ Features	Minimum Requirements	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
	Will the proposed product/solution reach End-of-support during the currency of contract?	NO	YES / NO			

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Annexe – 4.1.19

HIDS

Sr. No	Parameter/ Features	Technical Specification	Minimum Requirements	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Product Name					
2	Version					
3	Licenses	Server	The proposed solution should support the servers proposed with 10G Interfaces			
		Client	Support the proposed operating systems			
		Other 1				
		Other 2				
4	Operating Systems Supported	The HIDS should have support for the following Operating Systems (32/64 bit):	YES			
		Microsoft Windows Server 2008	YES			
		Microsoft Windows 2003	YES			
		Linux (Enterprise Editions Proposed and RHEL 5,x, 6.x)	YES			
		Support for virtual environments (VmWare, ESX/ESXI, HYPER-V, XEN, Other)	YES			
5	Advanced Intrusion Prevention/Blocking	HIDS should provide automated, real-time intrusion detection and protection by analyzing events, operating system	YES			

Sr. No	Parameter/ Features	Technical Specification	Minimum Requirements	Compliance (Y/N)	Specification Offered	Deviations if Any
		logs and inbound/outbound network traffic on enterprise servers.				
		Monitor all inbound and outbound traffic to detect and prevent attacks, both known and unknown.	YES			
		This includes:	YES			
		Buffer overflows	YES			
		Trojans	YES			
		Brute force attacks	YES			
		spam filtering - based reputation based, etc	YES			
		Content filtering and compliance	YES			
		Unauthorized access and network worms	YES			
		File access control and audit	YES			
		Other types of attacks.	Yes			
6	Local and Network-Based Protection	Should provide the flexibility to detect and protect from both local and network attacks through log monitoring capabilities	YES			

Sr. No	Parameter/ Features	Technical Specification	Minimum Requirements	Compliance (Y/N)	Specification Offered	Deviations if Any
		Should prevent authorized users from attacking the system, while also preventing brute force attacks and unauthorized access to system resources that would otherwise compromise data confidentiality, integrity and accessibility	YES			
7	Audit Policy Management	Centralized management of an OS audit policy ensures that all critical servers have a consistent and effective audit policy that allows for the management of true kernel-level auditing.				
8	Centralized Management	The management console should unify the administration servers of enterprise protection across gateways, networks, desktops, significantly reducing demands on staff and other operational resources.	YES			

Sr. No	Parameter/ Features	Technical Specification	Minimum Requirements	Compliance (Y/N)	Specification Offered	Deviations if Any
9	Event Co-relation	Should have inbuilt knowledge to dynamically escalate threatening security incidents while reducing false alarms.	Yes			
		The module instantly correlates security data from multiple sources to escalate serious threats, such as an attack on a vulnerable asset or a covert, multi-step attack.	Yes			
10	Real time monitoring	Real-time monitoring and analysis of the operating system, applications and network activity.	YES			
		Guard server environments from misuse and intrusions with little to no impact on the performance of the system.	YES			
11	Corrective Measures	The HIDS should be capable of carrying out following activities in event of any incident				
		Block Malicious Traffic	YES			
		Send An E-mail	YES			
		SMS alerts	YES			
		Prevent Access	YES			

Sr. No	Parameter/ Features	Technical Specification	Minimum Requirements	Compliance (Y/N)	Specification Offered	Deviations if Any
12	Support	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO			
		Provide new version upgrades, updates, patches, etc. for all the components / sub-components through the period of contract	YES			
		Will the proposed product/solution reach End-of-support during the currency of contract?	NO			
13	Centralized OS and patch management		YES			
14	Centralized policy enforcement		YES			
15	Support the industry leading network management frameworks like Openview, Tivoli, etc		YES			

Sr. No	Parameter/ Features	Technical Specification	Minimum Requirements	Compliance (Y/N)	Specification Offered	Deviations if Any
16	Compatibility with existing product	Proposed product should be compatible with existing product: McAfee HIPS for servers				

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Annexe – 4.1.20

Rack Mountable PDU

Sr. No	Parameter	Minimum Requirements	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make					
2	Model					
3	Power Specification	Indian power specifications in terms of Phase, Voltage, Freq	Ø,V,Hz			
4	Dimensions					
	Weight		KG			
5	Power & Cooling					
	Power Consumption At Full load		KVA			
	Power Consumption At normal load		KVA			
6	No of 5 AMP Sockets	8 or higher, to be compatible with the racks and the equipment in the racks	Units			
7	No of 16 AMP Sockets	12 or higher, to be compatible with the racks and the equipment in the racks	Units			
8	Temperature Sensor	Yes				
9	Humidity Sensor	Yes				
10	Remote Management	Yes				
11	Ability to monitor and control each power outlet	Yes				
12	Power Metering for each socket	Yes				
13	Support for SNMP V1/V2/V3	Yes				
14	Integration with industry leading EMS products	Yes. Compatibility and fully integration required with CA				

Sr. No	Parameter	Minimum Requirements	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
		Ecometer currently in use.				
15	Integrates with Proposed 42 U Rack	Yes				
16	Management Port 10/100/1000 Mbps Ethernet	1	Units			
17	No of PDUs per rack	2	Units			
18	Compatible with the proposed hardware(servers, network, storage equipment) and other equipment in the racks	Yes				
19	Management Reports of power consumption by port, socket, Group, Data Centre and aggregate power consumption by day/week/month in KVA,KWHr	Yes				
20	Traps/Alerts on overload conditions	Yes				
21	Support					
	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO				
	Provide new version upgrades, updates, patches, etc. for all the components / sub-components through the period of contract	YES				
	Will the proposed product/solution reach End-of-support during the currency of contract?	NO				
23	PDU Management Software License	YES				

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Annexe – 4.1.21

42 U Racks - Server Racks (600 x 1200)mm

Sr. No	Parameter	Minimum Requirements	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make					
2	Model					
3	Dimensions (Maximum Width x Maximum Depth)	600 x 1200	mm			
4	Weight		KG			
5	Vendor-neutral EIA-310-E 19in Rack Mounting Compatibility Guarantee	Yes				
6	Perforated front and rear door	Yes				
7	Quick release doors with spring pin design	Yes				
8	Removable full-height side panels	Yes				
9	Enclosure adjustment tools and hardware	Yes				
10	Pre-installed rear accessory mounting brackets	Yes				
11	Adjustable mounting rails with simple alignment	Yes				
12	Split rear doors	Yes				
13	Standard-profile castors and adjustable leveling feet from underneath	Yes				
14	Joining hardware provided	Yes				
15	Enclosure to floor bolt-down brackets provided	Yes				
16	Integrated electrical grounding	Yes				
17	Standard Warranty	5 year repair or replace				
18	RoHS Compliant	Yes				
19	Weight Capacity (static load)	1000	KG			

Sr. No	Parameter	Minimum Requirements	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
20	Weight Capacity (dynamic load)	450	KG			
21	Racks should be corrosion resistant	Yes				
21	Support					
a	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO				
b	Will the proposed product/solution reach End-of-support during the currency of contract?	NO				

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Date

Place

Signature of Bidder

Date

Place

Annexe – 4.1.22

42 U Racks - Communication Racks(800 x 1200mm)

Sr. No	Parameter	Minimum Requirements	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
1	Make					
2	Model					
3	Dimensions (Maximum Width x Maximum Depth)	800 X 1200	mm			
4	Weight		KG			
5	Vendor-neutral EIA-310-E 19in Rack Mounting Compatibility Guarantee	Yes				
6	Perforated front and rear doors	Yes				
7	Quick release doors with spring pin design	Yes				
8	Removable full-height side panels	Yes				
9	Enclosure adjustment tools and hardware	Yes				
10	Pre-installed rear accessory mounting brackets	Yes				
11	Adjustable mounting rails with simple alignment	Yes				
12	Split rear doors	Yes				
13	Standard-profile castors and adjustable leveling feet from underneath	Yes				
14	Joining hardware provided	Yes				
15	Enclosure to floor bolt-down brackets provided	Yes				
16	Integrated electrical grounding	Yes				
17	Standard Warranty	5 year repair or replace				
18	RoHS Compliant and Corrosion Resistant	Yes				

Sr. No	Parameter	Minimum Requirements	Unit of Measurement	Compliance (Y/N)	Specification Offered	Deviations if Any
19	Weight Capacity (static load)	1000	KG			
20	Weight Capacity (dynamic load)	450	KG			
21	Support					
a	Is the proposed product/solution End-of-Sale or will reach End-of-Sale within 24 months from the date of submission of bid or 12 months from the date of acceptance, whichever is later?	NO				
b	Will the proposed product/solution reach End-of-support during the currency of contract?	NO				

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Place

Signature of Bidder
Date
Place

Annexe 4.2.1

B. COMMERCIAL BID

BID PARTICULARS FOR Bid No. _____

1. Name of the Bidder _____
 2. Address of the Bidder _____
 3. Name of the Manufacturer/Developer of the Products offered _____
 4. Address of the Manufacturer/Developer of the Products offered _____
 5. Place of Manufacture/Development of the Products offered _____
 6. Service Facilities available for maintenance _____
 7. Availability of spare parts (for Hardware Components) _____
 8. Bidders Proposal Number and date _____
 9. Name and address of the officer to whom all references shall be made regarding this bid _____
- Tel. No. _____
Cell No. _____
Fax No. _____

Witness :

Signature -----

Name -----

Address -----

Date -----

Bidder :

Signature -----

Name -----

Address -----

Date -----

Company Seal

Annexe 4.2.2

Commercial Bid Letter

To

**The Deputy Director General (Technology)
Unique Identification Authority of India (UIDAI)
Tower I, 9th Floor,
Jeevan Bharati Building,
Connaught Circus,
New Delhi – 110001.**

Ref : Bid No. _____

Sir,

We declare :

- (i) That we are manufacturers / System Integrators of -----

 - (ii) That we/our principals are equipped with adequate machinery for production quality control and testing of offered products manufactured/developed and used by us and that our development establishment is open for inspection by the representatives of the Unique Identification Authority of India.
2. We hereby offer to supply the Goods/Services at the prices and rates mentioned in the **Annexe 4.2.3 to 4.2.8** of the Commercial Bid.
 3. **PERIOD OF DELIVERY**

We do hereby undertake that, in the event of acceptance of our bid, the supply of Goods/Services shall be made as stipulated in the Schedule to the Bid Document as given in **Annexe 4.1.6 - Timelines** and that we shall perform all the incidental services.
 4. **TERMS OF DELIVERY**

The prices quoted are inclusive of all charges including installation and commissioning charges in the UIDAI at the locations as mentioned in **Appendix E**.
 5. We enclose herewith the complete **Commercial Bid** as required by you. This includes:

S. NO.	CONTENTS
1.	Bid Particulars (Annexe 4.2.1)
2.	Commercial Bid Letter (Annexe 4.2.2)
3.	Summary of Cost of Goods and Services offered (Annexe 4.2.3)
4.	Details of Costs for Goods offered (Annexe 4.2.4)

5.	Details of Costs for Accessories (Annexe 4.2.5)
6.	Details of Costs for Technical Services (Annexe 4.2.6)
7.	Details of Other Costs (Annexe 4.2.7)
8.	Details of Costs for Post Warranty Annual Maintenance (Annexe 4.2.8)

9. We agree to abide by our offer for a period of **180 days** from the date fixed for the opening of the bids and that we shall remain bound by a communication of acceptance within that time.

10. We have carefully read and understood the terms & conditions of the tender and the conditions of the contract applicable to the tender and we do hereby undertake to supply as per these terms and conditions.

11. Certified that the bidder is :

c) The Constituted attorney of the company and the person signing the bids is the constituted attorney of the Company.

OR

d) The Principal Officer or his duly Authorized Representative of the Company, and he has the authority to refer to arbitration disputes concerning the business of the Company by virtue of the general power of attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariably be duly attested by the person authorized to sign the tender document.)

11. Bid Security (**Earnest Money**), in original, for an amount equal to **Rs. _____ (Rupees _____ Only)** is enclosed in the Cover containing **Pre-Qualifying Bid** in the form as specified in **Clause 12 of Section II**.

12. We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and placement of Letter of Intent awarding the Contract, shall constitute a binding contract between us.

Dated this day of 2014

Signature of the bidder

Name :
Full Address :
Telephone No :
Fax No :

Details of enclosures:

- 1.
- 2.
- 3.

Annexe 4.2.3

(Please see Clause 8 & 9 of Instruction to bidders)

SUMMARY OF THE COSTS OF GOODS / SERVICES OFFERED

S. No.	Item Description	Price (in Rupees)
1.	One-Time Non-Recurring Costs	
a.	Costs for Goods Offered (Total from Annexe 4.2.4)	
b.	Costs for Accessories (Total from Annexe 4.2.5)	
c.	Costs for Technical Services (Total from Annexe 4.2.6)	
d.	Other Costs (Total from Annexe 4.2.7)	
	A. Total One-Time Non-Recurring Costs (Total of Items 1(a) to 1(d))	
2.	Recurring Costs	
a.	Post Warranty Annual Maintenance Cost (Total (Z) from Annexe 4.2.8)	
	B. Total Recurring Costs (Total of Item 2a)	
3.	Total Costs (A + B)	

Note : The cost break-up of the various items is as shown in the Annexures.

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

NOTE : The bidder shall submit an exact copy of this Annexe with prices blanked-off along with the Technical Bid cover No TQ.

Annexe 4.2.4

(Please see Clause 8 & 9 of Instruction to bidders)

DETAILS OF THE COSTS FOR GOODS OFFERED – ONE-TIME NON-RECURRING COSTS

S No.	Item Description	No. of Units	Unit Rate (in Rupees)	Taxes per Unit (in Rupees) (5)=(5a+5b)		Total Unit Cost [(6)=(4)+(5)] (in Rupees)	Total Cost including Taxes (8)=(3)x(6) (in Rupees)
				Customs/ Excise duty (Rs)	Sales Tax / VAT (Rs)		
(1)	(2)	(3)	(4)	(5a)	(5b)	(6)	(7)
1	Blade Server (Annexe 4.1.11)						
2	Blade Chassis (Annexe 4.1.12)						
3	Server Rack (Annexe 4.1.13)						
4	IP KVM Switches (Annexe 4.1.14)						
5	SAN Access Switch (Annexe 4.1.15)						
6	Access Switch - Management and Security (Annexe 4.1.16)						
7	Access Switch - DC LAN (Annexe 4.1.17)						
8	LINUX OS Enterprise Edition (Annexe 4.1.18)						
9	HIDS (Annexe 4.1.19)						
10	Rack Mountable PDU (Annexe 4.1.20)						
11	42 U Racks						
11.a	Server Racks (600 x 1200)mm (Annexe 4.1.21)						
11.b	Communication Racks (800 x 1200)mm (Annexe 4.1.22)						
12	Any other items						
TOTAL COSTS							

IMPORTANT NOTE: **The bidder should note that all items mentioned above should be quoted failing which the bid is liable to be rejected.**

TOTAL AMOUNT IN RUPEES (in figures) _____

(in words) _____

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

***Service Tax, Education Cess, Works Contract Tax etc, if applicable, should be shown separately.**

NOTE : **The bidder shall submit an exact copy of this Annexe with prices blanked-off along with the Technical Bid cover No TQ.**

Annexe 4.2.5

(Please see Clause 8 & 9 of Instruction to bidders)

**DETAILS OF THE COSTS OF ACCESSORIES –
ONE-TIME NON-RECURRING COSTS**

S No.	Item Description	Qty	Basic Unit Price (in Rs)	Customs / Excise Duty (in Rs)	Sales Tax / VAT (in Rs)	Total Unit Cost (in Rs)	Total Cost (in Rs)
1							
2							
3							
4							
5							
6							
7							

TOTAL AMOUNT IN RUPEES

(in figures) _____

(in words) _____

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

***Service Tax, Education Cess, Works Contract Tax etc, if applicable, should be shown separately.**

NOTE : **The bidder shall submit an exact copy of this Annexe with prices blanked-off along with the Technical Bid cover No TQ.**

1. If the above space is not enough for your proposal, please use additional sheet as a part of the Bid.
2. **Costs of Interconnect Power Cables and Cords, if any, should be indicated in this Annexe.**

Annexe 4.2.6

(Please see Clause 8 & 9 of Instruction to bidders)

**DETAILS OF THE TECHNICAL SERVICE COSTS –
ONE-TIME NON-RECURRING COSTS**

S No.	Item Description	Quantity	Basic Unit Price (in Rs)			Taxes (in Rs)	Total Unit Cost (in Rs)	Total Cost (in Rs)
			Installation	Commissioning	Integration Services			
1	Blade Server (Annexe 4.1.11)							
2	Blade Chassis (Annexe 4.1.12)							
3	Server Rack (Annexe 4.1.13)							
4	IP KVM Switches (Annexe 4.1.14)							
5	SAN Access Switch (Annexe 4.1.15)							
6	Access Switch - Management and Security (Annexe 4.1.16)							
7	Access Switch - DC LAN (Annexe 4.1.17)							
8	LINUX OS Enterprise Edition (Annexe 4.1.18)							
9	HIDS (Annexe 4.1.19)							
10	Rack Mountable PDU							

	(Annexe 4.1.20)							
11	42 U Racks							
11.a	Server Racks (600 x 1200)mm (Annexe 4.1.21)							
11.b	Communication Racks (800 x 1200)mm (Annexe 4.1.22)							
12	Any other items							

TOTAL AMOUNT IN RUPEES

(in figures) _____

(in words) _____

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

***Service Tax, Education Cess, Works Contract Tax etc, if applicable, should be shown separately.**

NOTE : The bidder shall submit an exact copy of this Annexe with prices blanked-off along with the Technical Bid cover No TQ.

Annexe 4.2.7

(Please see Clause 8 & 9 of Instruction to bidders)

DETAILS OF OTHER COSTS – ONE-TIME NON-RECURRING COSTS

S No.	Item Description	Qty	Basic Unit Price (in Rs)	Customs / Excise Duty (in Rs)	Sales Tax / VAT (in Rs)	Total Unit Cost (in Rs)	Total Cost (in Rs)
1							
2							
3							
4							
5							
6							
7							

TOTAL AMOUNT IN RUPEES

(in figures) _____

(in words) _____

Signature of Witness

Date

Place

Signature of Bidder

Date

Place

***Service Tax, Education Cess, Works Contract Tax etc, if applicable, should be shown separately.**

NOTE : The bidder shall submit an exact copy of this Annexe with prices blanked-off along with the Technical Bid cover No TQ.

1. If the above space is not enough for your proposal, please use additional sheet as a part of the Bid.

Annexe 4.2.8

(Please see Clause 8 & 9 of Instruction to bidders)

DETAILS OF THE POST WARRANTY ANNUAL MAINTENANCE COSTS – RECURRING COSTS

S No.	Item Description	No. of Units	Unit Rate per Annum (in Rupees)	Taxes per unit per Annum (in Rupees)	Total Unit Cost per Annum [(6)=(4)+(5)] (in Rupees)	Total Cost per Annum including Taxes (8)=(3)x(6) (in Rupees)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A. SERVERS						
1	Blade Server (Annexe 4.1.11)					
2	Blade Chassis (Annexe 4.1.12)					
3	Rack Server (Annexe 4.1.13)					
	Total Maintenance Charges of Servers, Blade Chassis for One Year (A) [SNo 1(8)+SNo 2(8)+SNo 3(8)]					
B. OTHER GOODS						
4	IP KVM Switches (Annexe 4.1.14)					
5	SAN Access Switch (Annexe 4.1.15)					
6	Access Switch - Management and Security (Annexe 4.1.16)					
7	Access Switch - DC LAN (Annexe 4.1.17)					
8	LINUX OS Enterprise Edition (Annexe 4.1.18)					
9	HIDS (Annexe 4.1.19)					
10	Rack Mountable PDU (Annexe 4.1.20)					
11	42 U Racks					
11.a	Server Racks (600 x 1200)mm (Annexe 4.1.21)					
11.b	Communication Racks (800 x 1200)mm (Annexe 4.1.22)					
12	Any other items					

	Total Maintenance Charges of Other Goods for One Year (B) [SNo 4(8)+.....+SNo 12(8)]	
	Total Post Warranty Annual Maintenance Charges of Servers, Blade Chassis for Two Years (X=2 x A)	
	Total Post Warranty Annual Maintenance Charges of Other Goods for Four Years (Y=4 x B)	
	Total Post Warranty Annual Maintenance Charges (Z=X+Y)	

TOTAL AMOUNT (Z) IN RUPEES (in figures)_____

(in words) _____

Signature of Witness
Date
Place

Signature of Bidder
Date
Place

***Service Tax, Education Cess, Works Contract Tax etc, if applicable, should be shown separately.**

NOTE : **The bidder shall submit an exact copy of this Annexe with prices blanked-off along with the Technical Bid cover No TQ.**