

**THE HIGH COURT OF KERALA**

**ECC1/ 36692/2018**

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Dated: 18.09.2018

**Specification Corrigendum Notice**

Sub : eTender for the procurement of Servers for the State Subordinate Judiciary- Reg.

Ref :e Tender Ref No. ECC1/36692/2018 Dtd 14/08/2018

(eTender ID : 2018\_HCK\_228532\_1)

The Annexure 1 and Annexure 4 of the e-Tender referred stands modified and the same are appended herewith.

Sd/-

**REGISTRAR**

(Recruitment & Computerisation)

**ANNEXURE : 1**  
**Requirements and Specifications of the Items**

**Requirements**

Sl. No	Item	Approximate Unit Rate (₹)	Total Quantity (In numbers)	Approximate Total Cost (₹)
1	1 P Server	1,70,000	15	25,50,000
2	2 P Server	5,00,000	12	6,00,0000
Total				85,50,000

**Specification -1**

<b>ITEM 1</b>		
<b>1 P Server Specifications for District and Taluk Court Complexes in where 6 to10 court rooms are functioning</b>		
S. No	Parameter	Detailed Specifications
1	Form Factor	Rack Mount(Maximum 2U)
2	Process Make	X86 Architecture
3	Maximum Number of sockets available on chipset	2
4	Maximum Number of sockets populated with processor	1
5	No. of Processor	1
6	Processor Configuration	64-bit x86 processor fully binary compatible to 32-bit applications
7	Number of core per processor	8 or more with each core supporting Multi Thread
8	Chipset compatible with CPU	Yes
9	Motherboard (OEM compatible with CPU)	OEM
10	PCI Slots (Express Gen. 3.0 min)	One Free
11	Max Nos of PCI Lanes	-
12	Memory (DDR4 RAM min) (GB)	32 GB DDR4-2400 MHz or better expandable upto minimum 128 GB

13	DIMM Slots (Minimum) (No)	-
14	Hard disk drive capacity (GB)	2 x 1000GB SATA -HDD
15	Hard Disk drive RPM with SATA (hot plug or better) (RPM)	7200 or better
16	RAID Controller Caches (MB)	1000
17	RAID Controller	RAID 0,1 & 5
18	RAID Controller Ports	8
19	Video Controller (Support VGA or above resolution)	Yes with minimum 1GB GDDR5 or integrated graphic controller with 256 MB Video Memory.
20	Key Board	OEM Keyboard
21	Mouse	OEM Mouse
22	Monitor	TCO- 07 certified 19" or higher LED TFT Monitor supporting HD or better resolution and 6ms or better response time
23	Bays (min.2 internal or more hot plug)	5
24	USB Ports (version 2.0 /3.0)	4
25	Certifications, Compliance & Support by Windows, Red Hat or Novell	Latest version of Windows, Linux & Ubuntu OS (32 Bit & 64 Bit both) and all Industry Standard Virtualization Software. Root of Trust security enabled
26	DVD ROM (or better)	Yes (Internal /External)
27	Networking : dual LAN (10/100/1000) network card with asset feature tracking & security management, remote wake up	Yes
28	FC HBA Dual port card	-
29	FC HBA Dual port card speed	-
30	Power Management	Remote Management of Server over LAN & WAN with SSL encryption. Server health logging. Should have virtual Media support with all required licenses. Remoter power On/ Shutdown of server.
31	Redundant Power Supply	Yes
32	Redundant Fan	-
33	Server scalability to be achieved within the box & without adding nodes	Yes
34	Availability of Type test reports consisting of verification of all the features & functional parameters & environmental tests sequences as under	-

	<p>a) Dry heat test (For 16 hrs at a temp Of 45 degree C in accordance with IS : 9000 /part -3/section -5/1977)</p> <p>b) Cold test (For 4 hrs at a temp. of 0 degree C in accordance with IS : 9000/part-2/section-4/ 1977)</p> <p>c) Damp Heat Cycle Test (For 2 cycles of 24 hrs at a temp. 40 degree C &amp; 95% RH in accordance with IS : 9000/part -5 /section -1/ 1981 )</p> <p>Note- The server shall be checked for all the parameters before conditioning. After completion of the above environmental test sequence, with a recovery period of 1 to 2 hrs, the server shall be functional .</p>	
35	Availability of the type test report from Central Govt./ NABL /ILAC accredited lab. covering verification of all features & functional parameters & environmental tests sequence	-
36	Test Report No & date	-
37	Name & address of Lab	-
38	BIS Registration no. under CRS of Deity	Yes
39	Declare max. power consumption of the system	Yes
40	Availability of documentary evidence in support of model quoted in commercial production & due evaluation completed	Yes
41	Details of benchmark indices with software & diagnostic software used to test server	44 SPEC 2017 - score (60% int +40% fp) with 32/64 GB
42	Server main supply	200 V to 230V
43	CE or UL certified or Ertl /Etdc certified for safety (IEC-60950-1)	Yes
44	RoHS Compliance	Yes
45	Warranty (years)	5 Years OEM on-site compressive with 72 hours resolution time
46	Listed in latest Gartner Magic Quadrant	The OEM of quoted server should be in the leader quadrant of latest Gartner Magic quadrant of modular server.

**Note All of the above specifications should be read as equivalent or better**

**Specification -2**

<b>ITEM No-2</b>		
2 P Rack server specification for District and Taluk Court Complexes in where more than 10 court rooms are functionin		
Sl No	Parameter	Detailed specifications
1	Form Factor	Rack Mount (Maximum 2 U)
2	Process Make	X86 Architecture
3	Maximum Number of sockets available on chipset	2
4	Maximum Number of sockets populated with processor	2
5	No. of Processor	2
6	Processor Configuration	64-bit x86 processor fully binary compatible to 32-bit applications
7	Number of core per processor	12 or more with each core supporting Multi Thread
8	Chipset compatible with CPU	Yes
9	Motherboard (OEM compatible with CPU)	OEM
10	PCI Slots (Express Gen. 3.0 min)	One Free
11	Max Nos of PCI Lanes	-
12	Memory (DDR4 RAM min) (GB)	128 GB DDR4-2400 MHz or better
13	DDR4 RAM upgradable upto (Minimum)(GB)	0.5 TB
14	DIMM Slots(Minimum)(No)	-
15	Hard disk drive Capacity (GB)	3 x 1200 GB SAS -HS
16	Hard disk drive RPM with SAS (hot plug or better)(RPM)	10000 or better
17	RAID Controller Caches (MB)	1000
18	RAID Controller	RAID 0,1 & 5
19	RAID Controller Ports	8
20	Video Controller (Support VGA or above resolution)	Yes with minimum 1GB GDDR5 or integrated graphic controller with 256 MB Video Memory.
21	Key Board	OEM Keyboard
22	Mouse	OEM Mouse
23	Monitor	TCO-07 certified 19" or higher LED TFT Monitor supporting HD or better resolution and 6ms or better response time

24	Bays (min.2 internal or more hot plug)	5
25	USB Ports (version 2.0 /3.0)	4
26	Certifications, Compliance & Support by Windows, Red Hat or Novell	Latest version of Windows, Linux & Ubuntu OS (32 BIT & 64 Bit both) and all Industry Standard Virtualization Software. Root of Trust security enabled
27	DVD ROM (or better)	Yes (Internal/ External)
28	Networking : dual LAN (10/100/1000) network card with asset feature tracking & security management remote wake up	Yes
29	FC HBA Dual port card	-
30	FC HBA Dual port card speed	-
31	Power Management	Remote Management of Server over LAN & WAN with SSL encryption. Server health logging. Should have virtual Media support with all required licenses. Remoter power On/ Shutdown of server.
32	Redundant Power Supply	Yes
33	Redundant Fan	-
34	Server scalability to be achieved within the box & without adding nodes	Yes
35	Availability of Type Test Reports consisting of verification of all features & functional parameters & environmental tests sequences as under a) Dry heat test (For 16 hrs at a temp Of 45 degree C in accordance with IS : 9000 /part -3/section -5/1977) b) Cold test (For 4 hrs at a temp. of 0 degree C in accordance with IS : 9000/part-2/section-4/ 1977) c) Damp Heat Cycle Test (For 2 cycles of 24 hrs at a temp.40 degree C & 95% RH in accordance with IS : 9000/part -5 /section -1/ 1981 ) Note- The server shall be checked for all the parameters before conditioning . After completion of the above environmental test sequence with a recovery period of 1 to 2 hrs, the server shall be functional	-
36	Availability of the type test report from Central Govt./ NABL /ILAC accredited lab. covering verification of all features & functional	-

	parameters & environmental tests sequence	
37	Test Report No & date	-
38	Name & address of Lab	-
39	BIS Registration no. under CRS of Deity	Yes
40	Declare max. power consumption of the system	Yes
41	Availability of documentary evidence in support of model quoted in commercial production & due evaluation completed.	Yes
42	Details of benchmark indices with software & diagnostic software used to test server	152 SPEC 2017 - score (60% int +40% fp) with 32/64 GB
43	Server main supply	200V to 230V
44	CE or UL certified or Ertl /Etdc certified for safety (IEC-60950-1)	Yes
45	RoHS Compliance	Yes
46	Warranty (years)	5 Years OEM on-site compressive with 48 hours resolution time
47	Listed in latest Gartner Magic Quadrant	The OEM of quoted server should be in the leader quadrant of latest Gartner Magic quadrant of modular server.

**Note : All of the above specifications should be read as equivalent or better.**

**ANNEXURE : 4**  
**TECHNICAL SPECIFICATIONS AND COMPLIANCE STATUS**  
*(To be filled by the bidder)*

To  
The Registrar (Recruitment & Computerisation)  
The High Court of Kerala  
Ernakulam

Ref Tender no: \_\_\_\_\_

Dated: \_\_\_\_/\_\_\_\_/\_\_\_\_

Dear Sir,

The Technical Specification and compliance status are as shown in the below given table. The entire work shall be performed as per your specifications and documents.

<b><u>ITEM 1</u></b>				
<b>1 P Server Specifications for District and Taluk Court Complexes in where 6 to 10 court rooms are functioning</b>				
No	Features	Specification as per Tender	Specifications Offered by the Bidder(exact details to be provided by the bidder for earning points as per Annexure 10 )	Whether in Compliance with specification tendered (Yes/No)
1	2	3	4	5
1	Form Factor	Rack Mount(Maximum 2U)		
2	Process Make	X86 Architecture		
3	Maximum Number of sockets available on chipset	2		
4	Maximum Number of sockets populated with processor	1		
5	No. of Processor	1		
6	Processor Configuration	64-bit x86 processor fully binary compatible to 32-bit applications		

7	Number of core per processor	8 or more with each core supporting Multi Thread		
8	Chipset compatible with CPU	Yes		
9	Motherboard (OEM compatible with CPU)	OEM		
10	PCI Slots (Express Gen. 3.0 min)	One Free		
11	Max Nos of PCI Lanes	-		
12	Memory (DDR4 RAM min) (GB)	32 GB DDR4-2400 MHz or better expandable upto minimum 128 GB		
13	DIMM Slots (Minimum) (No)	-		
14	Hard disk drive capacity (GB)	2 x 1000GB SATA -HDD		
15	Hard Disk drive RPM with SATA (hot plug or better) (RPM)	7200 or better		
16	RAID Controller Caches (MB)	1000		
17	RAID Controller	RAID 0,1 & 5		
18	RAID Controller Ports	8		
19	Video Controller (Support VGA or above resolution)	Yes with minimum 1GB GDDR5 or integrated graphic controller with 256 MB Video Memory		
20	Key Board	OEM Keyboard		
21	Mouse	OEM Mouse		
22	Monitor	TCO- 07 certified 19" or higher LED TFT Monitor supporting HD or better resolution and 6ms or better response time		
23	Bays (min.2 internal or more hot plug)	5		
24	USB Ports (version 2.0 /3.0)	4		
25	Certifications, Compliance & Support by Windows, Red Hat or Novell	Latest version of Windows, Linux & Ubuntu OS (32 Bit & 64 Bit both) and all Industry Standard Virtualization Software. Root of Trust security enabled		

26	DVD ROM (or better)	Yes (Internal /External)		
27	Networking : dual LAN (10/100/1000) network card with asset feature tracking & security management, remote wake up	Yes		
28	FC HBA Dual port card	-		
29	FC HBA Dual port card speed	-		
30	Power Management	Remote Management of Server over LAN & WAN with SSL encryption. Server health logging. Should have virtual Media support with all required licenses. Remoter power On/ Shutdown of server.		
31	Redundant Power Supply	Yes		
32	Redundant Fan	-		
33	Server scalability to be achieved within the box & without adding nodes	Yes		
34	<p>Availability of Type test reports consisting of verification of all the features &amp; functional parameters &amp; environmental tests sequences as under</p> <p>a) Dry heat test (For 16 hrs at a temp Of 45 degree C in accordance with IS : 9000 /part -3/section -5/1977)</p> <p>b) Cold test (For 4 hrs at a temp. of 0 degree C in accordance with IS : 9000/part-2/section-4/ 1977)</p> <p>c)Damp Heat Cycle Test (For 2 cycles of 24 hrs at a temp. 40 degree C &amp; 95% RH in accordance with IS : 9000/part -5 /section -1/ 1981 )</p> <p>Note- The server shall be checked for all the parameters before conditioning. After completion of the above environmental test sequence, with a recovery period of 1 to 2 hrs, the server shall be functional .</p>	-		

35	Availability of the type test report from Central Govt./ NABL /ILAC accredited lab. covering verification of all features & functional parameters & environmental tests sequence	-		
36	Test Report No & date	-		
37	Name & address of Lab	-		
38	BIS Registration no. under CRS of Deity	Yes		
39	Declare max. power consumption of the system	Yes		
40	Availability of documentary evidence in support of model quoted in commercial production & due evaluation completed	Yes		
41	Details of benchmark indices with software & diagnostic software used to test server	44 SPEC 2017-score (60% int +40% fp) with 32/64 GB		
42	Server main supply	200 V to 230V		
43	CE or UL certified or Ertl /Etdc certified for safety (IEC-60950-1)	Yes		
44	RoHS Compliance	Yes		
45	Warranty (years)	5 Years OEM on-site compressive with 72 hours resolution time		
46	Listed in latest Gartner Magic Quadrant	The OEM of quoted server should be in the leader quadrant of latest Gartner Magic quadrant of modular server.		

**Note: The bidder should invariably fill Column 4 and 5 failure of which will entitle the High Court to reject the bids.**

**ITEM No-2**

2 P Rack server specification for District and Taluk Court Complexes in where more than 10 court rooms are functioning

No	Features	Specification as per Tender	Specifications Offered by the Bidder(exact details to be provided by the bidder)	Whether in Compliance with specification on tendered (Yes/No)
1	2	3	4	5
Sl No	Parameter	Detailed specifications		
1	Form Factor	Rack Mount (Maximum 2 U)		
2	Process Make	X86 Architecture		
3	Maximum Number of sockets available on chipset	2		
4	Maximum Number of sockets populated with processor	2		
5	No. of Processor	2		
6	Processor Configuration	64-bit x86 processor fully binary compatible to 32-bit applications		
7	Number of core per processor	12 or more with each core supporting Multi Thread		
8	Chipset compatible with CPU	Yes		
9	Motherboard (OEM compatible with CPU)	OEM		
10	PCI Slots (Express Gen. 3.0 min)	One Free		
11	Max Nos of PCI Lanes	-		
12	Memory (DDR4 RAM min) (GB)	128 GB DDR4-2400 MHz or better		
13	DDR4 RAM upgradable upto (Minimum)(GB)	0.5 TB		
14	DIMM Slots(Minimum)(No)	-		
15	Hard disk drive Capacity (GB)	3 x 1200 GB SAS -HS		
16	Hard disk drive RPM with SAS (hot plug or better)(RPM)	10000 or better		

17	RAID Controller Caches (MB)	1000		
18	RAID Controller	RAID 0,1 & 5		
19	RAID Controller Ports	8		
20	Video Controller (Support VGA or above resolution)	Yes with minimum 1GB GDDR5 or integrated graphic controller with 256 MB Video Memory		
21	Key Board	OEM Keyboard		
22	Mouse	OEM Mouse		
23	Monitor	TCO-07 certified 19" or higher LED TFT Monitor supporting HD or better resolution and 6ms or better response time		
24	Bays (min.2 internal or more hot plug)	5		
25	USB Ports (version 2.0 /3.0)	4		
26	Certifications, Compliance & Support by Windows, Red Hat or Novell	Latest version of Windows, Linux & Ubuntu OS (32 BIT & 64 Bit both) and all Industry Standard Virtualization Software. Root of Trust security enabled		
27	DVD ROM (or better)	Yes (Internal/ External)		
28	Networking : dual LAN (10/100/1000) network card with asset feature tracking & security management remote wake up	Yes		
29	FC HBA Dual port card	-		
30	FC HBA Dual port card speed	-		
31	Power Management	Remote Management of Server over LAN & WAN with SSL encryption. Server health logging. Should have virtual Media support with all required licenses. Remoter power On/ Shutdown of server.		
32	Redundant Power Supply	Yes		

33	Redundant Fan	-		
34	Server scalability to be achieved within the box & without adding nodes	Yes		
35	<p>Availability of Type Test Reports consisting of verification of all features &amp; functional parameters &amp; environmental tests sequences as under</p> <p>a) Dry heat test (For 16 hrs at a temp Of 45 degree C in accordance with IS : 9000 /part -3/section -5/1977)</p> <p>b) Cold test (For 4 hrs at a temp. of 0 degree C in accordance with IS : 9000/part-2/section-4/ 1977)</p> <p>c) Damp Heat Cycle Test (For 2 cycles of 24 hrs at a temp.40 degree C &amp; 95% RH in accordance with IS : 9000/part -5 /section -1/ 1981 )</p> <p>Note- The server shall be checked for all the parameters before conditioning . After completion of the above environmental test sequence with a recovery period of 1 to 2 hrs, the server shall be functional</p>	-		
36	Availability of the type test report from Central Govt./ NABL /ILAC accredited lab. covering verification of all features & functional parameters & environmental tests sequence	-		
37	Test Report No & date	-		
38	Name & address of Lab	-		
39	BIS Registration no. under CRS of Deity	Yes		
40	Declare max. power consumption of the system	Yes		
41	Availability of documentary evidence in support of model quoted in commercial production & due evaluation completed.	Yes		
42	Details of benchmark indices with software & diagnostic software used to test server	152 SPEC 2017-score (60% int+40% fp) with 32/64 GB		
43	Server main supply	200V to 230V		
44	CE or UL certified or Ertl /Etdc certified for safety (IEC-60950-1)	Yes		

45	RoHS Compliance	Yes		
46	Warranty (years)	5 Years OEM on-site compressive with 48 hours resolution time		
47	Listed in latest Gartner Magic Quadrant	The OEM of quoted server should be in the leader quadrant of latest Gartner Magic quadrant of modular server.		

**Note: The bidder should invariably fill Column 4 and 5 failure of which will entitle the High Court to reject the bids.**

**Signature of the bidder**