



**GLOBAL TENDER NOTIFICATION
(Through e-procurement portal only)**

The Director, NIMHANS invites tender from eligible tenderers through the Karnataka Government E-Procurement portal for supply of following equipment.

Sl. No.	Name of the Item	Quantity (in Nos.)	EMD (in `)
1.	High Performance Computing Systems for Human Sleep Research Laboratory	01	1,40,000/-

Tender Schedule

Downloading of Tender documents from website - https://eproc.karnataka.gov.in/eportal/index.seam	From 15.02.2020 onwards
Last date for tender enquiry	26.02.2020 up to 11:00 AM
Tender submission last date and time	29.02.2020 up to 11:00 AM
Technical bid will be opened online by the authorized officer on	02.03.2020 at 11:00 AM

Sd/-
Director

TENDER DOCUMENT

Terms and conditions

1. The bid documents should be uploaded in E Procurement portal only on or before the **due date**.
2. The tender bid should be valid for **four months** from the due date. **NIMHANS, Bengaluru will not take any responsibility for any technical issues.**
3. **Earnest Money Deposit (EMD):**
 - 3.1. The (EMD) shall be denominated in Indian Rupees and shall be paid in the e-procurement portal using the following payment modes:
 - a. Credit Card.
 - b. Direct Debit.
 - c. Net Banking
 - d. National Electronic Funds Transfer (NEFT)
 - 3.2. The EMD shall not bear any interest and will be refunded to
 - a. Successful tenderer on receipt of Agreement and Bank Guarantee.
 - b. Unsuccessful tenderer upon finalization of tender bid and award of tender to successful bidder.
 - c. All the tenderers if the tendered item is cancelled or retendered.
4. The tender documents and all correspondence's relating to the bid should be in **English language only**.
5. **Technical bid should comprise of (uploaded copy of documents should be self attested and stamped)**
 - 5.1 Brochure/Catalogue and Data sheet of the equipment.



- 5.2 Proprietary certificate from the manufacturer mentioning the unique technology or feature/s mentioned apart from the brand name (If applicable).
- 5.3 Pre requirements required at the installation site (Before submitting the bid, the tenderer should make pre-visit to the installation site and indicate the requirement along with the price bid wherever necessary)
- 5.4 Delivery Period of the item to be supplied and Time required for installation from the date of purchase order has to be indicated.
- 5.5 List of Institutes along with the PO copy where the equipment has been supplied.
- 5.6 Copy of GST, PAN, TIN document
- 5.7 Whether tenderer is manufacturer / accredited agent / sole representative, indicate details of principal's name & address. The offers of tenderer who are not manufacturer or direct authorized agent will be summarily rejected. Sub- distributors will not be accepted.
- 5.8 Non – blacklisting certification that the firm has not been blacklisted in the past by any government/Private institution and certification for No Vigilance/CBI case pending against the firm/supplier by making an affidavit on non – judicial stamp paper of `10/-.
- 5.9 Declaration towards acceptance of all terms and conditions should also be provided.
- 5.10 Technical Compliance Sheet to be uploaded by the supplier.
6. **Price Bid should comprise of-**
 - 6.1. **Quotation should be only for DAP i.e., NIMHANS DOOR DELIVERY PRICE** and should have detailed information as per tendered specifications (**such as main equipment cost, CMC for 3 years after completion of 5 years warranty i.e., 6th to 8th year, each article wise/spares rates, taxes, other Government levies, Customs duty, any local agency commission, transportation, delivery of the equipment to the Institute premises, installation and commissioning etc. Separately along with total cost) with manufacturers name, License number and name of the brand/make. Tender bids without price bid/quotation will be rejected. Detailed breakup of the cost should be provided under” Action Column” by clicking the “%” symbol which will be mentioned as Added Statutory Components.**
 - a) **In case of Import, Customs Duty will be considered only at 5.5% of the total Purchase order value and the required Customs clearance documents will be provided by NIMHANS on prior intimation (at least 7 working days prior intimation) of shipment along with details and relevant documents by the supplier.**
 - b) If the tenderer is quoting in Indian Rupees (INR) for items NOT MANUFACTURING IN INDIA (NMIC), the CUSTOM DUTY EXEMPTION CERTIFICATE WILL NOT BE ISSUED BY THE INSTITUTE. The Rate quoted should be inclusive of Custom duty & other incidental charges.
 - 6.2. Exchange rates for Foreign Currency will be considered as per the closing value on previous working day from website <https://rbi.org.in/scripts/ReferenceRateArchive.aspx> (only for GBP, EURO, USD & JPY) and for other currencies as per the decision of the Institute.
7. **Successful tenderer decision will be made on the basis of total cost quoted as per clause 6.1**
8. The tender bids (technical and price bid) should be typewritten; every correction in the tender should be initialed along with seal by the tenderer, failing which the tender will be rejected. All pages of the bid submitted must be signed along with seal and sequentially numbered by the tenderer.



9. Evaluation of Bids:-

The technical bid of the tenderer will be evaluated to determine whether

- a. They are complete with respect to specifications.
- b. They are free from computational errors.
- c. The requisite documents have been submitted and properly signed.

10. Tender Opening:

- a. The Technical bids will be unlocked through E procurement portal in the Committee Room, Adjacent to Registrar Chamber, NIMHANS, Bengaluru on the date specified in presence of tenderers or their representatives who choose to attend. The Tenderers' or representatives who are present shall submit authorization letter along with copy of Photo id proof and shall sign a register evidencing their attendance.
- b. The Financial bid of the technically qualified tenderer's only will be opened on a notified date. NIMHANS will inform all the Technically Qualified Tenderers through e-tendering system, after decryption of their Financial bid which could be viewed automatically by the respective technically qualified tenderer's. In this regard no separate intimation shall be made by the Purchaser.

11. Equipment and its accessories should be covered with **minimum warranty period of 05 years** for normal or regular wear & tear from the date of complete installation (Ready to use in all respects). In case of software's, the validity of the license key should be clearly mentioned and should have user define provision with option to switch over from one system to other system of the same kind within the validity period.

12. Software Updates:

The selected firm for the supply of tendered item should provide free updates of software up to 05 year from the date of complete installation.

- 13.** Supply of spares should be guaranteed for a minimum period of 07 years from the date of supply, at the rates prevailing against payment.
- 14.** Any modification or revision of bids after submission will not be entertained under any circumstances. Conditions such as "subject to the availability of stocks", supplies will be made as and when supplies received from the principles etc., will not be considered under any circumstances.
- 15.** A tenderer having once given a tender bid shall not withdraw it after its acceptance/opening and if does, the EMD paid by the tenderer will be forfeited and the tenderer is liable to make good the loss sustained.
- 16.** If required, the tenderer should demonstrate the quoted model of the equipment at the institute during the technical evaluation, failing which their bid/offer shall be rejected. The tenderer will be intimated that they should get ready for demonstration. No request for extending time for demonstration will be entertained. Failure to demonstrate, their offer will be rejected.
- 17.** The tenderer should supply the circuit diagram and instruction manual of the tendered equipment/s at the time of supply of the equipment.
- 18.** Necessary training / instructions on operation of the system should be given by the qualified engineers of the tenderer firm to NIMHANS technical staff/sat free of cost after completion of the installation.
- 19.** The successful tenderer should immediately submit an acceptance letter duly signed and sealed for the rate/s and offers agreed by both the parties to the Head of the Institution within reasonable time on receipt of the Purchase Order (Agreement Specimen will be enclosed with Purchase order & Stamp duty to be paid by the tenderer).The successful tenderer should also furnish a Bank guarantee only from a



Nationalized bank to the extent of 10% of the total purchase order value, valid for 60 days beyond the completion of the warranty period of the equipment, no split period bank guarantee will be entertained.

In the event of the successful tenderer failed to supply the item/execute the agreement/submit the Bank Guarantee the EMD deposited by them shall stand forfeited.

20. Payment terms:

18.1 Payment will be made only after good working condition of the equipment certified by the end user.

NO ADVANCE PAYMENT WILL BE ENTERTAINED.

18.2 In case of foreign payments made by Letter of Credit (LC) or wire transfer, bank incidental charges within India will be borne by the Institute and outside of India should be borne by tenderer.

18.3 Any amendment or extension of LC sought by the tenderer thereafter amendment charges should be borne by the tenderer only.

21. Uptime Guarantee:

Penalty Clause for non-functioning of equipment in term of hardship to the patients and financial loss to institute: 95% up time of 365 days (24 hours a day) that is from the day of successful handing over of the whole complex. The company takes the responsibility for the functioning of all the components and equipment, including the third party items supplied and included in the project. The total downtime annually for any reason/involvement of any of the components cannot exceed 5% (all inclusive). No penalty will be levied for the first 24 hours after breakdown. Subsequently, 5000 will be levied as penalty for every 24 hours of downtime until 7 days from the day of breakdown. If downtime exceeds 7 days the penalty will be 10,000/day from the date on which the equipment broke down. In addition to this, warranty period will be extended at double the rate of the downtime period.

22. If, at any time, during the said period, the supplier reduce the said prices of such Materials/Equipment or sales such Materials/Equipment to any other person/organization/Institution at a price lower than the chargeable, the company shall forthwith notify such reduction or sale to the Director, NIMHANS and the price payable for the Materials supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

23. The losses to NIMHANS, Bengaluru, if any incurred on account of purchase made elsewhere by failure, neglect or refusal on the part of the tenderer to supply according to the terms of agreement will be recovered from them. If any article or things supplied by the tenderer have been partially or wholly used or consumed in the hospital and they are subsequently found to be in bad condition, unsound, inferior in quality or description, not in accordance with samples or otherwise faulty or unit for use, the wholesome of the contract price or price of such articles or things will be recovered from the tenderer. The tenderer will not be entitled for any payment whatsoever, for such articles for infringements of the stipulation of the conditions or for justifiable reasons the contract may be terminated by the Director and the tenderer shall be liable for losses sustained by the NIMHANS on the consequences of the termination which may be recovered from the EMD/Bank Guarantee or from their invoices due to them. In the event of such amount being insufficient, the balance will be recovered personally from the tenderer.

24. Any corrections/changes in the tender will be uploaded as corrigendum in the NIMHANS and E procurement websites only.

25. If the tender last/opening date falls on any general/government/institute holiday(s), then the successive dates will be postponed by equivalent days of holiday(s), however the time remains unchanged.

26. The Director reserves the right of ordering/not ordering/cancelling/increase or decrease the quantity and to reject any or all tender quotations without assigning any reason. The decision of the Director,



NATIONAL INSTITUTE OF MENTAL HEALTH & NEURO SCIENCES
(Institute of National Importance), P.B. No. 2900, Hosur Road, Bengaluru – 560 029
Ph: 26995024/5913/5923 E-mail: aaos@nimhans.ac.in
Fax: 080-26571563/26564830/2121/6811 Website: www.nimhans.ac.in/tender

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NIMHANS, Bengaluru, shall be final in all the controversies that may arise in the matter. Any dispute arising out of this will be subject to the jurisdiction of the Court in Bengaluru.

- 27.** Failure to adhere any of the above terms and conditions the bid(s) may be rejected and EMD may be forfeited.
- 28.** None of the terms and conditions of the supplier shall be applicable to the purchase contemplated hereunder, irrespective of it being attached to any documents to be provided to NIMHANS. Such exercise shall have no meaning and binding effect unless the same is accepted by NIMHANS in writing.

NOTE: Please keep checking the NIMHANS and E-Procurement websites regularly for any further updates.

Sd/-
Director





DECLARATION
(TO BE UPLOADED BY THE TENDERER)

Sl. No. of the Item :.....
Name of the company (tenderer) :.....

To

**The Director,
National Institute of Mental Health & Neuro Sciences
(Institute of National Importance)
Post Box No. 2900,
Hosur Road, Bengaluru – 560 029**

Dear Sir,

1. I/We hereby submit my/our tender bid for the
2. I/We have remitted the application fee and EMD of `through Credit Card/Direct Debit/Net Banking/National Electronic Funds Transfer (NEFT).
3. I/We have gone through all terms and conditions of the tender documents before submitting the same.
4. I/We hereby agree to all the terms and conditions, stipulated by the NIMHANS, in this connection including delivery, Installation, Warranty, Penalty etc. All relevant documents and Technical bid are uploaded as per the tender terms and conditions. Any violation in uploading the documents, my/our tender bid may be disqualified.
5. Financial bid is quoted as per tender terms and conditions clause no. 6, failing which it will be presumed that the rates are door delivery price.
6. Tender bids are duly signed (No thumb impression should be affixed).
7. I/We undertake to sign the contract/agreement, if required, within reasonable time from the date of issue of the letter of acceptance, failing which our/my security money deposited may be forfeited and our/my name may be removed from the list of suppliers at the NIMHANS, Bengaluru.

Yours faithfully,

Signature of Tenderer & seal



CHECK LIST
(TO BE UPLOADED BY THE TENDERER)

1	Name & Address of the tenderer																															
2	Name & Address of the Manufacturer																															
3	Name of the Equipment & Model Quoted																															
4	Validity of the Quotation	4 months from the due date																														
5	a. Installation Period b. Warranty Period	30 Days from the date of site handover 5 Years from the date of successful installation																														
6	Technical Bid (Yes or No against each item)	<table border="1" style="width: 100%;"> <tr><td style="width: 5%;">a.</td><td>Application Fee submitted</td><td></td></tr> <tr><td>b.</td><td>EMD enclosed submitted</td><td></td></tr> <tr><td>c.</td><td>Brochure/Catalogue & Data Sheet enclosed</td><td></td></tr> <tr><td>d.</td><td>Manufacturer Proprietary certificate enclosed</td><td></td></tr> <tr><td>e.</td><td>Pre requirements details enclosed</td><td></td></tr> <tr><td>f.</td><td>List of users enclosed</td><td></td></tr> <tr><td>g.</td><td>Copy of GST, PAN, TIN document</td><td></td></tr> <tr><td>h.</td><td>Distributor authorization letter</td><td></td></tr> <tr><td>i.</td><td>Non-blacklisting certification enclosed</td><td></td></tr> <tr><td>j.</td><td>Declaration enclosed</td><td></td></tr> </table>	a.	Application Fee submitted		b.	EMD enclosed submitted		c.	Brochure/Catalogue & Data Sheet enclosed		d.	Manufacturer Proprietary certificate enclosed		e.	Pre requirements details enclosed		f.	List of users enclosed		g.	Copy of GST, PAN, TIN document		h.	Distributor authorization letter		i.	Non-blacklisting certification enclosed		j.	Declaration enclosed	
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i.	Non-blacklisting certification enclosed																															
j.	Declaration enclosed																															
7	Financial Bid Submitted (Yes or No against item a & b, currency symbol against item c)	<table border="1" style="width: 100%;"> <tr><td style="width: 5%;">a.</td><td>NIMHANS DAP equipment cost quoted</td><td></td></tr> <tr><td>b.</td><td>5 years warranty+3 years CMC</td><td></td></tr> <tr><td>c.</td><td>Currency in which financial bid is quoted</td><td></td></tr> </table>	a.	NIMHANS DAP equipment cost quoted		b.	5 years warranty+3 years CMC		c.	Currency in which financial bid is quoted																						
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8	Training provided (Yes or No)																															
9	a. Whether after sales, service is available in Bengaluru? If yes, quote b. What is the arrangement for post contract / Warranty monitoring of the equipment?																															
10	What is the Agency commission payable? If applicable																															
11	Details of the EMD Submitted	Transaction No..... for `..... Bank name:																														
12	Any Other Information (Enclose separately in letter head – Yes/No)																															

Signature of Tenderer & seal



For Contact:

Dr. Bindu M Kutty Professor, Dept. of Neurophysiology

Ph - Office: +91-80-26995170

E-Mail: bindu.nimhans@gmail.com

A. Technical Specifications for High Performance Computing System (HPC):

SI No	Component	Description
1	Market position	The OEM must be in Leaders quadrant in the last two Gartner's report of "Magic Quadrant for Modular Servers" & should have been one of the top three vendors (by market share revenue in IDC or Gartner report) in any of the previous 2 quarters
2	General Instruction with respect to the procurement of components of HPC from OEMs.	<ol style="list-style-type: none">1. The components of High Performance Computing System such as the Server, Network and Storage (Network Attached Storage unit- NAS), Network switch and computer Desktops should be procured from a single OEM. MAF should be provided for all the components being quoted against this tender2. The rack, access control and accessories should be from a single OEM and MAF should be provided for all components being quoted against this tender.3. OEM along with the bidder should complete end to end installation as per NIMHANS requirement and subsequent support should be provided by OEM during the warranty period without additional cost4. Representation from OEM along with the respective bidder should attend the meeting towards procurement of the system5. Cooperation of OEM is expected during the installation of all required software.6. End-of-Life and End-of-Support should be a minimum of 7 years from time of installation7. All relevant interconnects (cables and transducers) should be provided for all connections.8. Routine orientation training for all supplied OEM solutions should be provided by the Vendor to resource persons in the Lab9. Bidder should provide on-site training and managed services to the Lab personnel by providing a Resident Engineer and system administrator
3	Node Configuration	High availability cluster configuration should be supported in future only
Specifications for each HPC Server Node – Requirement 02 Quantity		
1	The OEM providing Server (2 Numbers) must be in Leaders quadrant in the last two Gartner's report of "Magic Quadrant for Modular Servers" & should	



	have been one of the top three vendors (by market share revenue in IDC or Gartner report) in any of the previous 2 quarters	
1	Form Factor	Up to 2U rack mounted with sliding rails and cable management arm
2	Configured CPU	Two 2nd Generation AMD EPYC 7xx2 Processors with at least 64C/128T , 2.25 GHz or higher , 225W TDP or higher , 256M L3 Cache with PCI Gen 4.0 support and high performance thermal cooling
3	Memory slots	Minimum 32×64GB DDR4 (RDIMM, LRDIMM supporting speeds minimum 3200MT/s)
4	Memory configured	2048GB
5	RAID Controller	Internal storage controller with 12Gbps with RAID 1, 5, 6, 10, 50
6	Disks configured	2×480GB SSD drive for OS in RAID 1 configuration 1×1.92TB Mixed Use SSD All with digitally signed firmware
7	I/O slots	Minimum 3×PCIe Gen4 slots (×16) at 16GT/s, at least 2×USB3.0 ports
8	GPU Support	Minimum 2×Single-Wide GPU slots
9	Ethernet ports	4×1GbE RJ45 + 2×10 GbE Base T
10	Certification and compliances	• Red Hat® Enterprise Linux
11	Power Supply	1400W Platinum rated redundant Power Supply
12	Diagnostics, Configuration & Management	Real-time power meter, graphing, thresholds, alerts & capping with historical power counters. Temperature monitoring & graphing Predictive failure monitoring & alerts of actual or impending component failure for fan, power supply, memory, CPU, RAID, NIC, HDD Real-time out-of-band hardware performance monitoring & alerting 1x dedicated 1 Gb management port for servers with Enterprise features
13	Security Features	Chassis intrusion alert, system lockdown features to prevent changes in system firmware images
14	OS	Red Hat Enterprise Linux ver 8.0, 2-Socket, 1 Physical or 2 Guest, 5Yr PREMIUM Subscription. Red Hat Enterprise Linux HA add-on licence for 5 years Extended Support for Deployment ,
	Training Details and scope of training	The Vendor should provide a resident System Administrator [a Red Hat certified system Administrator (RHCSA)]for carrying out the following training : command-line productivity accessing network-attached storage



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		<p>task scheduling tuning system performance file access control with ACLs management of basic storage and logical volumes managing network security</p> <p>After the above training is completed, the bidder should make arrangements further to provide a Resident Engineer (full time, 9.00 am to 5.00 PM , Monday to Friday) for a period of one year to train the Lab personnel on a daily basis. The Resident Engineer should be a Red Hat certified System Administrator (RHCSA) - level 2 with at least BE or equivalent qualification Resident Engineer should have experience and expertise in python and R:. The scope of training are as follows : train and prepare SOPs for system administration (as soft copy) help to take regular backups help to optimise python & R scripts for running analysis routines for HPC install , configure and update python & R based tools</p>
15	Warranty	5 years Next Business Day On-site comprehensive warranty with 24×7×365 remote hardware support, Post installation, 5-year product warranty should reflect in the support web site of the OEM.
Networking and Storage- 01 Quantity – (from the same OEM which provides the Server)		
1	Network Managed Switch	2 x Redundant rack mount switches (2×1U), Each with minimum 12 ×10 GbE Base T ports Appropriate Transceiver module should be provided with the ports to make sure that ports are functional
2	Network Attached Storage Unit (NAS)	Form Factor: Minimum 2U rack mount CPU: Intel Xeon Series with minimum 4C/8T, min. base freq. 2.1GHz Memory: Minimum 16GB DDR4 ECC RDIMM Capacity: 12 Hot-Swappable SATA Drive Bays Networking: Minimum 4×1GbE and min. 2×10GbE Base T ports RAID Support: RAID 0, 1, 5, 6, 10 Power: Dual Redundant Internal Power Supply Usable 8×10TB 7200RPM SATA Enterprise Hard Drive configured for RAID 6 OS – Window storage server 2016 or latest



		NAS should be scalable to usable 200 TB Warranty: 5 years
Rack with associated components & Access Control - 01 Quantity (from single OEM and MAF should be procured for RACK and Access Control)		
1	Usable space	Minimum 26U with cable management
2	Diagnostic Monitoring & Management	Sensors for ambient monitoring – temperature, humidity, smoke and water leakage Fire detection and suppression Beacon alarm and alerting system Biometric and physical access control Integrated camera monitoring KVM /KMM (Key board –Mouse –Monitor) support To be demonstrated at the time of Installation
3	Cooling	Enclosed system with active air conditioned cooling for the whole rack
4	UPS	10 KVA rack mountable , Redundant N+1 , with minimum 60 minutes backup time
5	PDU	Redundancy and capacity appropriate for overall specification, with Indian power supply compatible power cords and stacking cables
Accessories		
1	Installation	Entire system including HPC server, rack, network switch, NAS and UPS should be completed on a Turnkey basis . OEM/Bidder should complete end to end installation as per NIMHANS requirements and OEM should provide further support to the end user during the warranty period without any additional cost
2	Other details	Any extra accessories needed for the above given specifications to be included by the vendor

B. Technical Specifications for Desktop PCs:

SI No	Component	Description
General		
1	Market position	The OEM for the procurement of components (such as the Server , Network attached storage unit- NAS, Network switch and computer desk tops) of High Performance Computing System must be in Leaders quadrant in the last two Gartner’s report of “Magic Quadrant for Modular Servers” & should have been one of the top three vendors (by market share revenue in IDC or Gartner report) in any of the previous 2 quarters
Specifications for each Desktop PC- 10 Quantity (from the same OEM providing Server, NAS and Network switch)		
1	CPU	Intel 9 th Generation Core i7-9700, 8C/8T, 12MB Cache,



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		3.0GHz
2	Motherboard	OEM with compatible Intel 300 Series chipset and integrated HD audio
3	RAM	16GB (1×16GB) DDR4 2666 UDIMM Non-ECC Memory
4	Solid State Storage	1×240-256GB M.2 PCIe TLC SSD as boot drive configured for dual-boot of 64-bit Windows 10 Pro and 64-bit Ubuntu 18.04 LTS
5	Hard Drive	1×1TB 3.5” 7200RPM SATA HDD
6	Dedicated Graphics card	NVIDIA GeForce GTX 10xx series or with higher specification with minimum 2GB GDDR5 memory and 4K video-out support through HDMI/Display Port/DVI
7	Network Adapter	Integrated NIC – GbE LAN
8	Ports	<ul style="list-style-type: none">• Min. 1×USB3.1 Gen 2 Type-C port• HDMI/Display Port/DVI ports• Kensington Lock slot• Minimum 4 USB3.0/3.1 ports
9	Chassis	<ul style="list-style-type: none">• Premium quality durable chassis with tower form-factor• Adequate power supply with minimum Bronze certification• Adequate thermal and airflow management with dust filters• Chassis intrusion protection
10	Monitor	27” 4K UHD LED monitor with 3840×2160 resolution
11	Peripherals	Standard keyboard with palm rest and optical mouse
12	Warranty	5 Years next business day onsite comprehensive warranty with 24x7x365 remote hardware support, post installation five year product warranty should reflect in the support website of the OEM
13	Compliance & Certification	Energy Star, FCC, RoHS, CE, EPEAT compliance for the given form factor
14	Operating system	64-bit Windows 10 Pro and 64-bit Ubuntu 18.04LTS dual boot on SSD

**Sd/-
Director**