# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

# DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000. Fax: (0824) 2474033

E- mail: info@nitk.ac.in Website: http://www.nitk.ac.in



### **TENDER DOCUMENT**

Tender Notification No: Met-Mat/ SRH-PR /DWS/ 757/2020-21/04 Date: 02/03/2021

Name of Goods	Desktop Workstation System and Accessories
Estimated amount put to Tender	Rs.4,50,000/- (Including GST)
Time for Supply of item	30 Days
<b>Bid Document Download Start Date</b>	02/03/2021 @ 5.30 p.m
Clarification Start Date	02/03/2021 @ 5.30 p.m
Clarification End Date	08/03/2021 @ 5.30 p.m
Online Bid Submission Start Date	02/03/2021 @ 5.30 p.m
Online Bid Submission End Date	22/03/2021 @ 3.00 p.m
Address for Submission of Tender	https://eprocure.gov.in/
Opening date of technical bid	23/03/2021 @ 3.30 p.m
Contact Details of Buyer	Dr. Subray R Hegde, Associate Professor, Dept. of Metallurgical & Materials Engg. NITK, Surathkal- 575025, Contact No- 0824 2473763 hegdesr@gmail.com

### NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL



POST SRINIVASNAGAR, MANGALURU - 575 025

(Institute Of National Importance Under Ministry of Education, Govt. of India)
Phone: (0824) 2474 000. Fax: (0824) 2474 033/ 2474 039

Email: registrar@nitk.ac.in

Website: http://www.nitk.ac.in

Tender Notification No: Met-Mat/ SRH-PR /DWS/ 757/2020-21/04

Date: 02/03/2021

#### NOTICE INVITING e-TENDER (e-NIT)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education, Govt of India imparting Technical Education and engaged in Research Activities.

Online Tender (<a href="https://eprocure.gov.in/">https://eprocure.gov.in/</a>) is invited for the following items in <a href="two-cover-system">two-cover-system</a> (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or it's authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened online on the due date as mentioned. Bidders can verify their bid status through online portal <a href="https://eprocure.gov.in/">https://eprocure.gov.in/</a>. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

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Contact Details of Buyer	Dr. Subray R Hegde, Associate Professor, Dept. of Metallurgical & Materials Engg. NITK, Surathkal- 575025, Contact No- 0824 2473763 Email- hegdesr@gmail.com

Sd/-HOD

#### **SECTION 1 A: Instructions for Online Bid Submission**

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: https://eprocure.gov.in/eprocure/app.

#### REGISTRATION

- 1) Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link "Online bidder Enrolment" on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

#### SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

#### PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

#### SUBMISSION OF BIDS

- 1. Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3. Bidder has to select the payment option as "offline" to pay the tender fee/ EMD (Bid Security Declaration) as applicable and enter details of the instrument.
- 4. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
- 5. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

- 6. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 7. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8. Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.
- 10. The off-line tender shall not be accepted and no request in this regard shall be entertained whatsoever.
- 11. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- 12. Any order resulting from this e-tender shall be governed by the terms and conditions mentioned therein.
- 13. No deviation to the technical and commercial terms & conditions are allowed.
- 14. The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of the bid(s).

#### ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

#### **SECTION 1 B: INSTRUCTION TO BIDDER (ITB)**

- 1. The bid should be submitted in two covers System-Technical Bid and Financial Bid online through portal <a href="https://eprocure.gov.in/">https://eprocure.gov.in/</a>:
- 1.1 **Envelope No.1 Technical Bid:** The agencies should give details of their technical soundness and provide a list of customers of a previous supply of similar items to Universities, Institutes or Government Departments/ Undertakings/ public sectors with contact details. The details of the Bidder/ profile should be furnished along with the copy of all related documents. This envelope should be uploaded **online tender (https://eprocure.gov.in/)** and digitally signed as "**Envelope No. 1 Technical Bid i.e. Checklist (Excel format).**
- 1.2. Document to be scanned and submitted by uploading in the technical bid:
  - a) The Bidder should possess a Licence certificate for manufacture /supply of the item.
  - b) List of Owner/partners of the firm and their contact numbers
  - c) The Bidder should possess Income-tax PAN Number.
  - d) The Bidder should possess a valid GST registration number.
  - e) Catalogue of the Product with detailed product specifications.
  - f) List of Service Centres
  - g) List of customers with contact details.
  - h) The average annual turnover should not be less than 30% of the estimated cost put to tender/Tender for the job work. The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed
  - i) Warranty Period Offered for the tendered item to be specified. If the Warranty period is not conforming to the schedule of requirements given in section 3 of the document, the bid is liable to be treated as non-responsive and rejected.
  - J) Contract form given in section 5 needs to be submitted.
  - k) EMD must be in the form of "Bid Security Declaration" declaring disqualification of his bid in case the bid is withdrawn or modified by him during the bid validity period. The format of 'Bid Security Declaration' is available in the Tender document. 'Bid Security Declaration' duly signed be uploaded while submitting the e-bid. Tenders received without the 'Bid Security Declaration' will be rejected (except in the case of NSIC/MSME enlisted bidders (under relevant NIC & Activity) /Startups).

#### The above documents should be furnished in the technical bid envelope.

2. Envelope No.2 – Financial bid: The agencies should submit their financial bid as per the (.xlxs) format is given in Section 4 of the Notice Inviting Tender in this cover. The rate should be quoted in figures and upload online bid. This envelope should upload online only as "Envelope No. 2 – Financial Bid".

Both the Envelope No. 1 and 2 should be uploaded through online portal (https://eprocure.gov.in/).

- The tender will be accepted only from the **manufacturers or its authorised supplier**.
- 4 The Institute **reserves the right to visit the factory** before or after the issue of supply order to satisfy itself regarding the quality of production. In case of any remarks /default noted, the Company will be debarred from competing for bids in our esteemed Institute for a period of one year from the date of occurring of such breach
- 5 The Financial Bid shall be in the format of Price Schedule given in Section 4. The Contract form as per format is given in section 5 shall be submitted. The incomplete or conditional tender will be rejected.
- 6 Details of the item to be carried out, approximate quantity and the specifications are mentioned in "Section 3" appended to this Notice Inviting Tender.
- 7 The item to be used is strictly according to the specification and subject to test by the Institute/concerned authorities. It must be delivered and installed in good working condition.
- The Institute **reserves the right to cancel or reduce the quantity** included in the schedule of requirements at any time after acceptance of the tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
- 9 Performance Security of 3 % of the contract value in terms of Bank Guarantee by scheduled banks shall be given by the successful bidder for the total period of Warranty.
- **10** The validity of bids: The rate quoted should be valid for a minimum of 90 days. No claim for escalation of the rate will be considered after opening the Tender.

#### 11 Clarification of Tender Document:

A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than 5 working days prior to the last date for the receipt of bids

- **12 Amendment of Tender document:** At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Tender document by an amendment.
- 13 Institute may at its own discretion extend the last date for the receipt of bids.

14	The	bids	shall	be	written	in	English	language	and	any	information	printed	l in	another	languag	je s	shall	be
	acco	ompa	nied b	oy ai	n Englis	h t	ranslation	i, in which	case	e for	the purpose	of inte	pre	tation of	the bid,	the	Engl	lish
	tran	slatio	n sha	ll gov	/ern.													

- 15 The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Institute Purchase Committee is final in all matters of tender and purchase.
- 16 The bidder should give the following declaration while submitting the Tender.
- 17 Relaxation for Start-up, MSEs, Make in India will be as per GOI norms.
- 18 Any other details required may be obtained from the contact person (Buyer) given in the Notice Inviting Tender during the office hours.

#### **DECLARATION**

I/we have not tampered/modified the tender forms in any manner. In case, if the same is found to be tampered/modified, I /we understand that my/our tender will be summarily rejected and full Earnest money deposit will be forfeited and I /we are/are liable to be banned from doing business with NITK, Surathkal and/or prosecuted.

Signature of the Bidder	:_		
Name and Designation	:_		
Business Address	:_		
Place: Date:	_	Seal of the Bidd	der's Firm

#### SECTION 2: CONDITIONS OF CONTRACT

- The supplier should quote the rate for Door Delivery (FOR).
- 2. The Rate should be quoted in INR only.
- 3. No custom duty exemption certificate will be provided from the institute.
- 4. NITK is a DSIR recognized research organization and hence eligible for concessional / exempted rate of GST @5% (For indigenous items).
- 5. The rate quoted should be on a unit basis. Taxes and other charges should be quoted separately, duly considering exemptions if any.
- 6. Rate quoted should be inclusive of Testing, commissioning and installation of equipment and Training.
- 7. Payment: No advance payment will be made. Payment will be made only after the supply and installation of the item in good and satisfactory condition and receipt of performance security by the supplier.
- 8. Guarantee and Warranty period should be specified for the complete period conforming to section 3 of this tender document.
- 9. The period required for the supply and installation of the item should be specified conforming to section 3 of this tender document.
- 10. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

### SECTION 3: SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[To be filled up by the Department / Center of NITK, Surathkal]

Item(s) Name to be Procured : Desktop Workstation System and Accessories

Type (Equipment/Software/Furniture/Others) : Desktop Workstation System

Brief Specifications of the Item(s) : As per Annexure A

(Attach Additional Sheet if necessary)

Quantity : One

Any other details/requirement : --

Warranty Period (in months) : Minimum 5 years.

Delivery Schedule expected

after the release of a Purchase order

(in Weeks) : 30 Days

Performance Security to be given by Successful Bidder after release of

Purchase Order (in Rupees) : 3% of Purchase Order

# <u>SECTION 4 - PRICE BID</u> [To be used by the bidder for submission of the bid]

Tender Inviting Authority:

Name of Work/Goods/Services:

Contra	ict No:								
Name o	Name of the Bidder/ Bidding Firm / Company :								
releven	PRICE SCHEDULE  (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
Number	TEXT#	NUMBER #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT#
Sr. No.	Item Description	Quantity	BASIC RATE in Figures To be entered by the Bidder in Rs. P	Cost	GST rate in %	GST Amount	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUT with Taxes Rs. P	TOTAL AMOUNT In Words
1									
Γotal in F	igures								
Quoted R	Rate in Words								

#### **SECTION 5: CONTRACT FORM**

[To be provided by the bidder in the business letter head]

- 1. (Name of the Supplier's Firm) hereby abide to deliver them by the delivery schedule mentioned in section 3 tender document for the supply of the items if the purchase order is awarded.
- 2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
- 3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder	:_	
Name and Designation	:_	
Business Address	:_	
Place: Date:	_	Seal of the Bidder's Firm

#### BANK GUARANTEE FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.)

To,
Director,
National Institute of Technology Karnataka, Srinivasnagar P.O., Surathkal
Mangalore – 575025
LETTER OF GUARANTEE
WHEREAS National Institute of Technology Karnataka (Buyer) has invited Tenders vide Tender No
NOW THIS BANK HEREBY GUARANTEES that in the event of the said tenderer (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this Bank shall pay to National Institute of Technology Karnataka, Surathkal on demand and without protest or demur Rs
We,
Notwithstanding anything contained herein:  1. Our liability under this Bank Guarantee shall not exceed Rs
Yours truly, Signature and seal of the guarantor: Name of Bank & Address:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. The

bank is requested to take appropriate necessary action on or after expiry of bond period.

Date:

Form of "Bid Security Declaration" - To be submitted in the Letterhead of the Bidder

Ref.: Tenders invited for "-----" vide NIT No. -----"

#### "BID SECURITY DECLARATION"

To: The Director, National Institute of Technology Karnataka, Surathkal. Post Srinivasnagar, Mangaluru – 575025.
Sir,
Sub.: Submission of Bid Security/ EMD Declaration – Reg.

I/ We declare that:

- 1. If We understand that according to the tender document, bids must be accompanied by EMD or a Bid Security Declaration. Accordingly, If We have opted for submitting this Bid Security Declaration.
- 2. If We declare that I / We will not withdraw our bid during the Bid validity period or make any modifications to my/ our bid.
- 3. If We understand that if I/ we withdraw my/ our bid or modify the bid, I/ we will be automatically suspended from being eligible for bidding and also will be debarred from competing for bids in your esteemed Institute for a period of one year from the date of occurring of such breach.
- 4. / We understand that if I/ We fail to furnish the Performance Guarantee before the deadline specified in the LoA / LoI, my/ our bid will be automatically cancelled and I/ We will also be debarred from competing for bids in your esteemed Institute for a period of one year from the date of occurring of such breach.
- 5. I/ We further understand that if I/ We fail to sign the contract in case the work is awarded to me/ us or fail to furnish the Performance Guarantee, my/ our bid will be automatically cancelled and I/ We will also be debarred from competing for bids in your esteemed Institute for a period of one year from the date of occurring of such breach.
- 6. I/ We understand that this Bid Security Declaration will automatically expire if we are not the successful bidder/ upon the expiry of bid validity period.
- 7. I/ we declare that I am/ we are authorized to sign this declaration.

Signature of the Bidder with seal

# Annexure-A Detailed Technical Specifications

	Compliance – Technical				
Note:					
a)		cification of the offer is MANDATORY and for clarifying the offered system the relevant l-outs needs to be attached.			
b)	All points to be addressed	, no cell should left blank. Any deviations shall be clearly brought out.			
c)					
Scope of work		Supply, inspection, packing, delivery, installation, commissioning is required.			
Previous Supplies		Mention atleast 3 buyer details of previous supplies			
Evalua	tion	Technical and financial bid evaluation will include all costs including warranty, AMC, transport, insurance coverage up to NITK.			

	Specification	Requirement	Vendor Compliance
	Processor Make	AMD	
	Processor Generation	3	
	Number of Cores per Processor	32	
Processor	Processor Base Frequency (GHz)	3.7 GHz	
	Processor Description	Threadripper 3970x	
	Processor Number	TSMC 7nm FinFET	
	Cache (MB)	128 MB	
	Chipset Series	TRX40	
	Expansion Slots (PCle × 4) (Number)	1	
Motherboard	Expansion Slots (PCle × 16) (Number)	3	
	Expansion Slots (PCI) (Number)	4	
	Expansion Slots (M Dot 2)	2	
	Graphics Type	Dedicated	
	Graphic Card Description	Nvidia RTX 3070 or better	
Graphics	Size of memory in case of Dedicated Graphic Card (GB)	8 GB or better	
	Size of VRAM in case of Integrated Graphics (MB)	NA	
Operating	Operating System (Factory Pre-Loaded)	Windows 10 Professional	
System	Recovery Image Media		
	OS Certification	Windows	
	Type of RAM	DDR4	
Memory	RAM Size (GB)	16X4 = 64 or 32X4 = 128	
	Ram Speed (MHz)	3200 MHz or 3600 MHz	

	Total number of DIMM Slots Available	8
	Number of DIMM Slots Populated	4
	RAM Expandability up to (using spare DIMM	
	Slots in GB)	128 or higher
	Type of Drives used to populate the Internal Bays	
	Number of Internal Bays populated with HDD	1
	Capacity of each HDD (GB)	4000 GB or higher
	Total HDD Capacity (GB)	4000 GB or higher
Storage	Number of Internal Bays populated with SSD	1 or 2
Otorage	Capacity of each SSD (GB)	512 GB
	Total SSD Capacity (GB)	512 GB or 1 TB
	Number of internal Bays populated with SSHD	2
	Capacity of each SSHD (GB)	1000 GB
	Total SSHD Capacity in addition to 8 GB Flash (GB)	2000 GB
	Optane Memory (GB)	NA
	Cabinet Form Factor	ATX Form Factor
	Cabinet Volume (Liters)	
	External Bays (Number)	1
	Optical Drive	Yes
Cabinet	Internal Speaker	Yes
	Audio-in	Yes
	Audio-out	Yes
	Headphone out	Yes
	Microphone-in	Yes
Capling	Type of cooling	Tower Cooling (at least 6 heat pipes)
Cooling	Number of cooling fans	6 Cooling Fans Or better
	Wireless Connectivity	
	If Yes, Type of Wireless Connectivity	
Compositivitus	Number of Ethernet Ports	1
Connectivity	Type of Ethernet Ports	RJ 45
	Bluetooth Connectivity	Yes
	If Yes, Version of Bluetooth Available	3.0 or higher
	Number of USB Version 2 Point 0 Ports	2
	Number of USB Version 3 point 0/ 3 point 1, Gen 1 Ports	4
Ports	Number of USB Version 3 point 1, Gen 2 Ports	4
FUILS	Number of USB Type C Ports	1
	Number of Serial Ports	
	Number of Parallel Ports	

	Number of VGA Ports	1	
	Number of HDMI Ports	1	
	Number of DP Ports	1	
	Model of the Monitor		
	Monitor Technology	IPS	
	LED Backlit Monitor Size (Inches)	24 inch	
	Monitor Resolution (PIXELS)	1920 X 1080 P	
	Number of Monitors	2	
	TCO Certification for Monitor		
Monitor	Number of VGA Ports in the Monitor	1	
	Number of HDMI Ports in the Monitor	1	
	Number of Display Ports in the Monitor	1	
	Availability of Webcam Integrated with Monitor	No	
	If Yes, Resolution of Webcam	No	
	Availability of Speakers Integrated with Monitor	Yes	
	If Yes, Number of Speakers available	2	
Dower	Power Supply Capacity (Watt)	850W	
Power	Minimum Power Efficiency Range (%)	90-95	
Certification	ROHS Compliance	Yes	
Certification	BEE/ Energy Star for the given Model	Yes	
	Mouse Connectivity	Yes	
Innut Davises	Type of Mouse	Wireless mouse	
Input Devices	Keyboard Connectivity	Yes	
	Type of Keyboard	Wireless keyboard	
	Minimum Operating Temperature	5	
Operating	Maximum Operating Temperature	35	
Conditions	Minimum Operating Humidity (%RH)	5	
	Maximum Operating Humidity (%RH	90	
Warranty	On Site OEM	Minimum 5 years.	