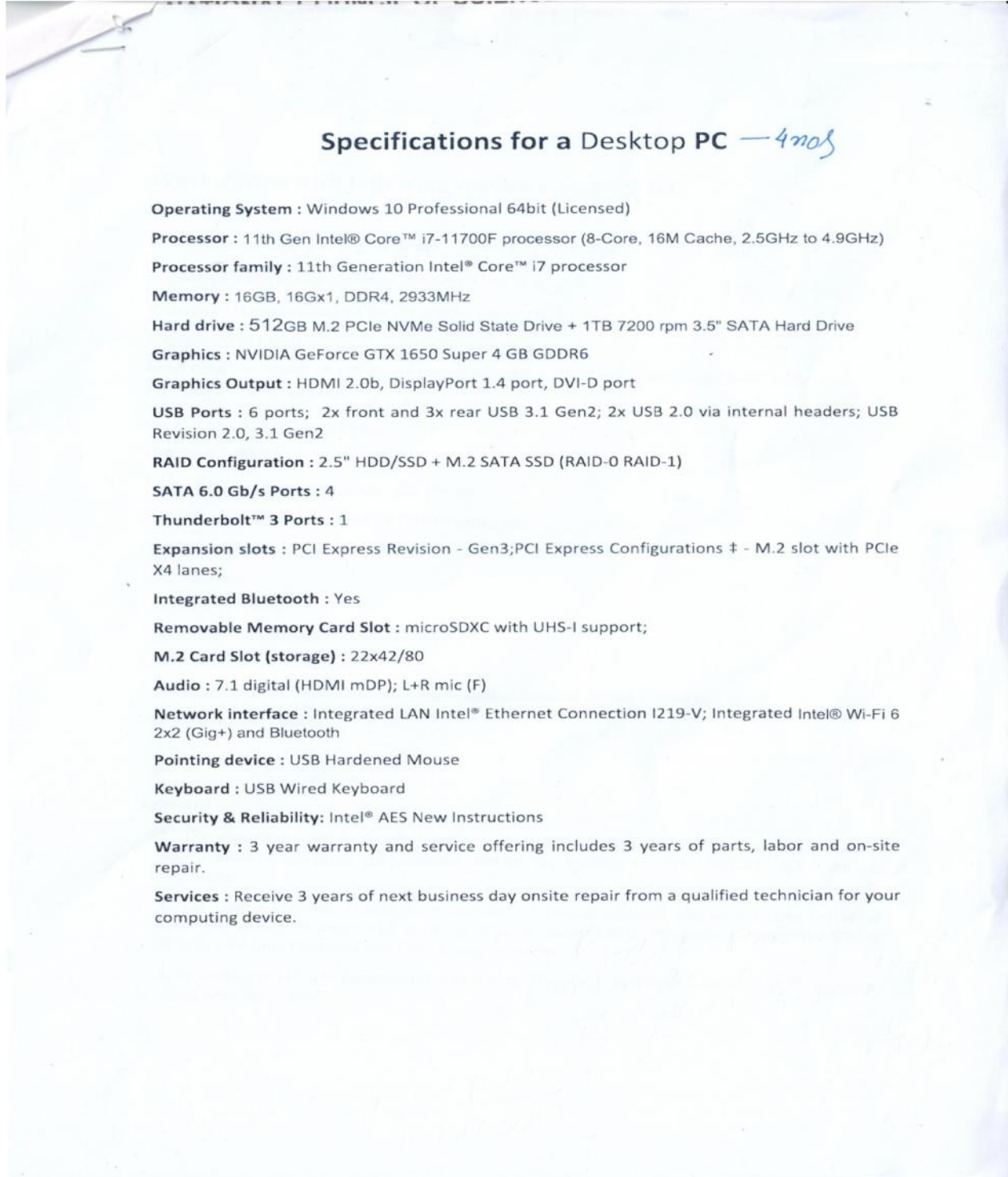


**NATIONAL COUNCIL OF SCIENCE MUSEUMS
SECTOR-V, BLOCK-GN, BIDHANNAGAR,
KOLKATA – 700 091.
I-18012/7/21(110)**

Technical Specification

1. Desktop PC

-04 Nos.



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Workstation with following specifications – 1 set

Tower Workstation -	1 no.
1000 W internal power supply, up to 90% efficiency, active PFC -	1 no.
Windows 10 Pro 64 downgrade to Windows 7 Pro 64 -	1 no.
Windows 10 Professional 64-bit OS DVD + Driver DVD -	1 no.
Single Unit Packaging -	1 no.
Intel® Core™ i9-10940X (3.3 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 19.25 MB L3 cache, 14 cores) -	1 no.
512 GB SATA Solid State Drive -	1 no.
1TB 7200 RPM SATA 1st Hard Drive -	1 no.
32GB DDR4—2933 ECC SDRAM (2x16GB) -	1 no.
NVIDIA® Quadro RTX™ 6000 (24 GB GDDR6 dedicated)	no.
DisplayPort To DVI-D Adapter (4-Pack)	1 no.
USB Keyboard -	1 no.
USB Optical Mouse -	1 no.
9.5mm Slim SuperMulti DVDRW 1st ODD -	1 no.
Dual Processor Air Cooling Kit -	1 no.
3 years parts, 3 years labor, and 3 years onsite service standard limited warranty.-	1 no.
Operating System Load to SATA/SAS -	1 no.

Software :

1. The hardware vendor should supply an automatic system performance tuning software, which ensures optimum performance tuning for leading CAD/CAM/CAE softwares on Windows.
2. The tuning software should have modules for resource monitoring over a long period of time, and should be capable of showing GPU utilization (GPU, Graphics memory and Codec activity) for both Graphics and GPU Compute cards.
3. A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.

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Remote Collaboration Software :

- System should be preloaded with software which can help remotely access 3D data across network and help collaboration.
- The software should allow collaboration between multiple participants on an OpenGL 3D application.
- It should support One to One for remote work and One to many for collaboration with keyboard and mouse control.
- Application should be stateless and should not transfer actual data over the network.
- Pixel information or images should be 128 SSL encrypted.

Above items must either come with or be in compliance with following features:

- **Drive Protection System** - A diagnostic hard drive self-test. It scans critical physical components and every sector of the hard drive for physical faults and then reports any faults to the user. **Running independently of the operating system**, it can be accessed through a Windows-based diagnostics utility or through the computer's setup procedure. It produces an evaluation on whether the hard drive is the source of the problem and needs to be replaced.
- **Self-Monitoring, Analysis and Reporting Technology** - Allows hard drives to monitor their own health and to raise flags if imminent failures were predicted.
- **Drive Failure Prediction** - Predicts failures before they occur. Tracks fault prediction and failure indication parameters such as re-allocated sector count, spin retry count, calibration retry count.
- **Off-Line Data Collection** - By avoiding actual hard drive failures, SMART hard drives act as "insurance" against unplanned user downtime and potential data loss from hard drive failure.
- **Off-Line Read Scanning with Defect Reallocation** - IOEDC: I/O Error Detection Circuitry
Detects errors in Read/Write buffers on HDD cache RAM.
- The product must be in compliance with the Restrictions of Hazardous Substances (RoHS) directive -2002/95/EC.
- The product must be designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.
- The product must be in compliance with the IEEE 1680 (EPEAT) standard at the Gold
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and DA - ISO1043.

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ANNEXURE F-1

**NATIONAL COUNCIL OF SCIENCE MUSEUMS
SECTOR-V, BLOCK-GN, BIDHANNAGAR,
KOLKATA – 700 091.**

TENDER NO. I-18012/7/21(110)

**SUPPLY OF Desktop PC and Workstation Computer AS PER ENCLOSED TECHNICAL SPECIFICATION
Annexure F and NIT of tender document.**

Make & Model Sheet

Sl. No.	Description of Items	Quantity	Make & Model Offered (To be entered by bidder)
01	Desktop PC	4 Nos.	
02	Workstation Computer	2 Nos.	

Dated :

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