राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल

DOC - 4

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

POST-SRINIVASNAGAR, MANGALURU – 575 025 (D.K)
पोस्ट- श्रीनिवासनगर, मंगलूरु - 575025 (डी. के)
विभाग /DEPARTMENT OF CHEMICAL ENGINEERING

Phone: (0824) 2474000.
E- mail: info@nitk.ac.in

Fax:(0824) 2474033
Website: http://www.nitk.ac.in

निविदा दस्तावेज/TENDER DOCUMENT

निविदा अधिसूचना संख्या/Tender Notification No: **NITK/CHEM/ Work station /2026-27/717** दिनांक/Date: **02-11-2026**

सामग्री का नाम/ Name of Goods	Workstation
निविदा में लगाई गई अनुमानित राशि / The estimated amount put to Tender	4,50,000 (Including GST) (Refer Section B,37)
ई.एम.डी राशि (अनुमानित राशि का 2%)/ **EMD Amount (2% of estimated amount)**	2% of Estimated Cost: Rs 9000/-
वस्तु की आपूर्ति का समय / Time for Supply of item	**30 days**
पूर्व- बोली सम्मेलन की तिथि, समय और स्थान / Date, Time & Venue of Pre-Bid Conference	03-11-2026 (Refer Section 1 B, Clause No. 35)
दस्तावेज़ डाउनलोड आरंभ तिथि / Bid Document Download Start Date	**03-11-2026**
स्पष्टीकरण आरंभ तिथि / Clarification Start Date	**03-11-2026**
स्पष्टीकरण समाप्ति तिथि/ Clarification End Date	**16-11-2026**
ऑनलाइन बोली जमा करने की आरंभ तिथि / Online Bid Submission Start Date	**03-11-2026**
ऑनलाइन बोली जमा करने की अंतिम तिथि / Online Bid Submission End Date	**13-11-2026**
निविदा जमा करने का पता / Address for Submission of Tender	https://eprocure.gov.in/
तकनीकी बोली खोलने की तिथि / Date of opening technical bid	**14-11-2026**
क्रेता का संपर्क विवरण /Contact Details of Buyer	Dr Rajasekaran M Dept of chemical Engineering NITK Surathhkal -575025 Phone No: 824-2473800
खरीद अधिकारी का नाम और संपर्क (खरीद पूछताछ से संबंधित) Purchase officer Name and Contact (Related to purchase inquiry)	Superintendent (purchase) Phone: +91-824-2473014,3114 Email: supdt-purchase@nitk.edu.in

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल
POST-SRINIVASNAGAR, MANGALURU – 575 025
Phone: (0824) 2474000 Fax: (0824) 2474033
Email: info@nitk.ac.in Website: http://www.nitk.ac.in

निविदा अधिसूचना संख्या /Tender Notification No **NITK/CHEM/ Work station /2026-27/717** दिनांक/Date: **02-11-2026**

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 Tenders (https://eprocure.gov.in/) are invited for the following items in **two cover systems** (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or its 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 the online portal https://eprocure.gov.in/. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

सामग्री का नाम/ Name of Goods	Workstation
निविदा में लगाई गई अनुमानित राशि / The estimated amount put to Tender	4,50,000 (Including GST) (Refer Section 1B,37)
ई.एम.डी राशि (अनुमानित राशि का 2%)/ **EMD Amount (2% of estimated amount)**	2% of Estimated Cost: Rs 9000/-
क्रय आदेश जारी होने के बाद वस्तु की आपूर्ति का समय / Time for completion of Supply after Placing Purchase Order	**30 days**
पूर्व- बोली सम्मेलन की तिथि, समय और स्थान / Date, Time & Venue of Pre-Bid Conference	03-11-2026 (Refer Section 1 B, Clause No. 35)
दस्तावेज़ डाउनलोड आरंभ तिथि / Bid Document Download Start Date	**03-11-2026**
स्पष्टीकरण आरंभ तिथि / Clarification Start Date	**03-11-2026**
स्पष्टीकरण समाप्ति तिथि / Clarification End Date	**16-11-2026**
ऑनलाइन बोली जमा करने की आरंभ तिथि / Online Bid Submission Start Date	**03-11-2026**
ऑनलाइन बोली जमा करने की अंतिम तिथि / Online Bid Submission End Date	**13-11-2026**
निविदा जमा करने का पता / Address for Submission of Tender	https://eprocure.gov.in/
तकनीकी बोली खोलने की तिथि / Date of opening technical bid	**14-11-2026**
क्रेता का संपर्क विवरण /Contact Details of Buyer	Dr Rajasekaran M Dept of chemical Engineering NITK Surathhkal -575025 Phone No: 824-2473800

02/11/26

Head of the Department

Seal & Signature (HOD)/ मोहर और हस्ताक्षर

Department of Chemical Engineering
रासायनिक अभियांत्रिकी विभाग
National Institute of Technology Karnataka - Surathkal
राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल
PO Srinivasnagar, Mangalore - 575025 Karnataka
पी.ओ. श्रीनिवासनगर, मंगलौर – ५७५०२५ कर्नाटक

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	: Workstation
Type (Equipment/Software/Furniture/Others)	: Computer & Peripheral
Brief Specifications of the Item(s) (Attach Additional Sheet if necessary)	: As Per Annexure 'L'
Quantity	: 1
Any other details/requirement	:
Warranty Period (in years)	: 5 years
Delivery Schedule expected after the release of a Purchase order (in Weeks)	: 4 weeks
Performance Security to be given by Successful Bidder after release of Purchase Order (in Rupees)	: 3% of Purchase Order

Annexure-'L'

Detailed Technical Specifications

Sl No	Description	Technical Specification
1	**Make & Model**	**To be specified by supplier** **(Only a workstation series tower to be quoted)**
		The brand/ OEM quoted and the vendor should not be black listed in any of Govt, Semi Govt or similar entities. **(Self-attested declaration should be submitted with respect to same)**
		The bid will be accepted only from the Original Equipment Manufacturers (OEM) or its authorized suppliers (proof to be enclosed)
		The brand/OEM quoted should be at least 8 years old in the Indian market. **(Proof to be enclosed)**
2	**ISO Certification**	**Manufacturing facility/brand should be ISO 9001:2015, ISO 14001:2015 & ISO/IEC 27001: 2022 certified.**
3	Form Factor	Tower workstation model only
4	CPU	Intel Core Ultra 9 285 (36 MB cache, 24 cores, 24 threads, 1.9 GHz to 5.6 GHz, 65W) or better processor
5	Chipset	Intel® W880 Chipset with Trusted Platform Module(TPM 2.0) or better OEM Motherboard
6	Memory	64GB (2 x 32GB), DDR5, 5600 MT/s, non-ECC or higher; Expandable upto 128GB with minimum 4 DIMM Slots or higher
7	SSD	M.2 2280 1TB Gen 4 PCIe NVMe High Endurance Solid State Drive with minimum Sequential Read speed of 1500Mbps and Write speed of 350Mbps, minimum Random Read speed of 200Mbps and Random Write speed of 80Mbps or higher (Mention grade/class of SSD)
8	HDD	4TB, 3.5" 7200rpm SATA Enterprise Hard Drive or higher
9	Graphics	Intel graphics
9	Audio	Realtek Audio Controller, ALC3204 or equivalent
10	Bays	3* SATA 3.5 inch HDD and 1* SATA ODD 2* M.2 2230/2280 PCIe Gen4 slots 1* M.2 2230/2280 PCIe Gen5 slot
11	Ports	**Front Pots** : 4no's of USB minimum in which 1* USB 3.2 Gen 1 (5Gbps) port 1* USB 3.2 Gen 1 (5Gbps) port with PowerShare 1* USB 3.2 Gen 2 (10Gbps) Type-C port 1* USB 3.2 Gen 2x2 (20Gbps) Type-C port with PowerShare 1* Global headset jack

		Rear Ports : 5no's of USB minimum in which 2* USB 2.0 (480Mbps) ports with SmartPower 2* USB 3.2 Gen 2 (10Gbps) ports 1* USB 3.2 Gen 2x2 (20Gbps) Type-C port 1* RJ45 (1GbE) Ethernet port 2* DisplayPort 1.4a HBR3 ports
12	KBD & Mouse	104 Keys MultiMedia USB Key board and USB Optical Scroll Mouse (Same make as workstation)
13	Slots (All Full Height)	1* Full-height Gen5 PCIe x16 slot 1* Full-height, half-length Gen3 x4 PCIe closed-end slot 1* Full-height, full-length Gen4 x4 PCIe open-end slot 1* Full-height, full-length Gen3 x4 PCIe open-end slot
14	Security Features	• Power-on password • Administrator password • Padlock loop • Security-cable slot • SafeID or equivalent • Smart card keyboard (FIPS) • Self-encrypting storage drives (Opal, FIPS) • Trusted Platform Module TPM 2.0 • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Intel Secure Boot • Intel Authenticate • SafeBIOS or equivalent • Tool less chassis entry design (Secure Erase) • Individual USB port disablement
15	Power Supply	Minimum 500W or higher internal Power Supply Unit with 92% Efficient PSU, 80 Plus Platinum certified (Mention SMPS power wattage)
16	Monitor	23.8" inch FHD (1920 x 1080 at 120Hz) IPS , Professional series Monitor with USB with upstream port and Down stream ports.Must have 2**nos x USB - C 5Gbps** Downstream Port. Should have 1nox Display Port 1.4 and 1no x HDMI 1.4. (Same Make as workstation)
17	Operating System	Genuine Windows 11 Professional (6 cores plus) 64 Bit factory preloaded with single key recovery and Ubuntu dual boot
18	OS Certification	Linux Ubuntu 22 LTS OS
19	Ethernet	10/100/1000 Mbps on board integrated Network Port with remote booting facility remote system installation

20	Other Regulatory Certification & Environmental Standards	ROHS , CE, Energy Star 8.0 or better, EPEAT Climate+, TCO Certification: Gen 8 or higher, EPEAT: Gold
21	Warranty	**5-Years Comprehensive Onsite OEM Warranty** for entire system supplied including OS,Monitor, Keyboard (KBD) & Mouse should be from the same OEM. In case of HARDWARE breakdown, service calls must be attended onsite by BRAND/OEM engineer directly. Post installation online warranty checking for the supplied product against the supplied system serial number should be possible from the brand/OEM website. Dedicated Toll Free number for support/service by the brand/OEM should be available and the supplier/partner coming on site for L1 support should be able to create support ticket through brand/OEM Website, phone call and OEM Email (ex: support@oem.com) **Supplier responsibility:** The supplier should provide first level of onsite support by sending a technically qualified engineer within 4hours response time from the report of any issue either related to software or hardware by institute through phone, mail or text, trouble shoot and diagnose the issue and log the call with BRAND/OEM for replacement of hardware if necessary and manage the call cycle till closed by the BRAND/OEM to the satisfaction of the user.
22	Diagnostics and software updates	Brand/OEM must have an online system hardware diagnostic facility. Must have the facility to download and updates the pre- installed software, device drivers and firmware on its websites
23	Installation	Supplier has to send the Technician for complete installation on-site (at NITK, Surathkal).
	Please Note	Attaching the compliance sheet with clearly mentioning the offered specification is mandatory for the points mentioned above and the BID without the same is subjected to rejection. Please enclose required documents, printed technical sheet, White paper and Brochure substantiating the claims for evaluation and same must be available for verification in the website of the OEM and the BID without the same is subjected to rejection. The entire systems with all the components mentioned above including OS should be factory intgrated and tested for quality and no 3rd part hardware is permitted to be added to system once out of OEM factory. The authorized supplier should have a functional service centre within the state of Karnataka to provide timely support and maintenance service Website clearly presents a circular economy policy, with detailed principles, commitments and resources across multiple official pages

BUYER

HEAD OF THE DEPARTMENT

Head of the Department
विभागाध्यक्ष
Department of Chemical Engineering
रासायनिक अभियांत्रिकी विभाग
National Institute of Technology Karnataka - Surathkal
राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल
PO Srinivasnagar, Mangalore - 575025 Karnataka
पी.ओ. श्रीनिवासनगर, मंगलौर – ५७५०२५ कर्नाटक