

REQUEST FOR QUOTATION - ONLINE BIDDING



BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER:
SAKE000122



MMI:PU:RF:003

Please submit your lowest quotation subject to our terms and conditions attached for the material mentioned below. "Quotation to be submitted in E Procurement portal only"

(for all correspondence)
Purchase Executive : Santosh Kumar
Phone : 8004939865
Fax :
E-mail: kumar.santosh@bhel.in

SI No.	Description	Qty	Unit	Delivery qty	Delivery Date
1	ED7459998010 Workstation Computer for DCS Application * HSN/SAC : 8414 Workstation Computer for DCS/SCADA application as per PS4042981	697	ST	697	[Redacted]

Total Number of Items - 1

- 1.
- 2.

NOTES:

1. This RFQ is governed by:
 - a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at <http://edn.bhel.com> (**RFQ-PO Terms & Conditions**)
 - b) Any other specific Terms and Conditions mentioned. of offers are required to furnish authorization letter for the same.
 2. Tender Result can be viewed in the website.
- * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.

For and On behalf of BHEL.

Santosh Kumar
Control Equipment



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PURCHASE SPECIFICATION FOR WORKSTATION COMPUTER FOR DCS/SCADA APPLICATION

PS4042981

REV No.: 00

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Purchase Specification for

1. WORKSTATION COMPUTER FOR DCS/SCADA APPLICATION (Mat code: EDXXX)

TITLE	Dept Code	DRN.	NAME	SIGN	DATE
Purchase specification for workstation computer for dcs/scada application	404	PREPARED	SISIR		26.05.2026
		CHECKED	JAYAFAR ALI		26.05.2026
		APPROVED	BIRENDER NATH SHARMA		26.05.2026



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**PURCHASE SPECIFICATION FOR
WORKSTATION COMPUTER FOR
DCS/SCADA APPLICATION**

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REVISION HISTORY SHEET

REV NO.	DATE	NATURE OF CHANGE	REASON	PREPARED BY	APPROVED BY
00	26.05.2026	First issue	-----	SB	JA/ BNS



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A. WORKSTATION UNIT - SSD

SPECIFICATION:	WORKSTATION SSD
Make: DELL / HP	YES
Type : Tower / CMT	YES
Input: 100 to 240 VAC; 50/60Hz. Power Cords (suitable for Indian type sockets) to be provided.	YES
Processor: Any one of below options is acceptable Option 1: Intel Xeon W series (minimum 3 GHz or higher, and Max Turbo Frequency 4 GHz (minimum), with Intel Chipset W790 <ul style="list-style-type: none"> • 6 hardware cores (minimum) • Hardware-based AES encryption (Intel AES, AES-NI instructions) • Virtualization support for machines, (Chipset, BIOS, and software) must also support virtualization • Intel® Turbo Boost Technology Option 2: Intel Core Ultra 5 series (Minimum 3.0 GHz E-core base frequency, minimum 3.5 GHz P-core base frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 14 threads with Intel Chipset W880 <ul style="list-style-type: none"> • 14 hardware cores (minimum) • Hardware-based AES encryption (Intel AES, AES-NI instructions) • Virtualization support for machines, (Chipset, BIOS, and software) must also support virtualization • Intel® Turbo Boost Technology 	YES
RAM: 16 GB minimum DDR5 RAM, expandable to minimum 512 GB @ 2666 Mhz / 128 GB @5600 MT/s	YES
Hard drive: 1 TB PCIe NVME M.2 SSD with additional 1 slot for Raid 1 capability for any future requirement	YES
Sound: Integrated Audio with in-built speakers	YES
Graphics: OEM recommended NVidia A400 or latest PCI-Express Dual Output Graphics card with full 16X support, with minimum 4 GB RAM, supporting 1920 x 1200 resolution with true colors with mDP to DP adapters – 2 nos. The adapter should support graphics standard Direct X9 or later with a WDDM driver.	YES
DVD WRITER (DVD-RW): DVD +- RW multi-layer Drive, must support Multi-Read.	YES
Expansion Slots: Minimum 3 Nos. PCIe based slots	YES
Ethernet Ports: 2 Nos 10/100/1000 Base-T Ethernet Add-on PCIe BASED INTEL NIC's (SHOULD be from OEM) WITH TEAMING. (This is excluding Onboard port).	2 Nos. Add on PCIe Intel NIC
Port: 6 Nos. USB (minimum)	YES
Keyboard/ Mouse : USB Standard keyboard and USB optical scroll mouse with mouse pad.	YES

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Operating System: Compatible to Windows 11 IoT Enterprise versions 2024LTSC	YES
OS will be provided by BHEL at BHEL works. Driver/Recovery CD to be provided for both the OS versions Vendor support required for installing of BHEL provided OS in Work-stations.	
WARRANTY : Three Years on-site comprehensive warranty	YES
BIOS must be UEFI compliant and support Secure Boot	YES
TPM version 2.0 is required	
TPM functions must be implemented in hardware as a discrete TPM (dTPM).	YES

(D) NOTE

1. Initial installation will be at our works in BHEL/EDN, Bangalore for testing along with customer. Subsequently material will be sent to site.
2. Any deviations with respect to the above specification should be brought out in the offer otherwise offer may be rejected
3. Vendor has to extend support in installation of BHEL provided OS in Work-stations at BHEL works.
4. All components must be compatible for Windows 11 IoT Enterprise versions 2024LTSC
5. Checklist with the PSPEC should be filled in all respects and all options answered and duly signed by supplier. This is mandatory and offer will be rejected on non-submission.
6. **The vendors need to supply the complete unit prebuilt from the factory of OEM and all the components of the workstation need to have OEM Part codes**

(E) DOCUMENTS TO BE GIVEN ALONG WITH QUOTATION

1. Technical data sheet for Workstation. This is **MANDATORY**
2. Filled checklists given in this specification duly signed by supplier - **MANDATORY**
3. Single point contact detail to be furnished for after sales service support under Warranty.
4. Deviations, if any, to our specification to be clearly mentioned and reason thereof

NOTE - Technical data sheet of quoted Models and Filled checklists **ARE MANDATORY. Offer liable for Technical REJECTION** if not accompanied by them.

(F) DOCUMENTS TO BE GIVEN ALONG WITH EQUIPMENT

1. Manuals / CD 's for computer to be supplied.

(G) TEST CERTIFICATE

1. Test Certificates for the System to be provided on installation.

(H) ACCEPTANCE CRITERIA:

1. Compliance to Specification / checklist

(I) WARRANTY

The Workstations will be shipped to various Project sites in India and Abroad. Three Years Comprehensive Onsite warranty for all equipment supplied is to be provided.

(j) Malicious Code Certificate:

The seller should upload following certificate in the bid:-

- (a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

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- (i) Inhibit the desires and designed function of the equipment.
 - (ii) Cause physical damage to the user or equipment during the exploitation.
 - (iii) Tap information resident or transient in the equipment/network.
- (b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

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**Pre-Qualification Criteria (Minimum Eligibility Criteria) to participate in the tender for
Workstation Computers and Server-Grade Computers**

The bidders intending to participate shall meet the following criteria and such of those bidders shall be pre-qualified for this tender.

Sl.No	Criteria	Documentary Evidence	Vendor compliance/ remarks
1.	Upload Manufacturer authorization: The bidder should be Original Equipment Manufacturer OEM (HP /DELL) or authorized partner of OEM; Wherever Authorized Distributors are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.	Manufacturer Authorization Form (MAF)	
2	Performance Criteria: The Bidder {themselves or through reseller(s)}, should have executed project for supply of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria: (i) Single order of at least 15% of estimated bid quantity; or (ii) Two orders of at least 10% each of estimated bid quantity; or (iii) Three orders of at least 5% each of estimated bid quantity.	For fulfilling the performance criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed. b. Execution certificate by client with order value/quantity. c. Any other document in support of order execution like Third Party Inspection release note, etc.	
3	Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 3 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.	OEM declaration for the same	
4	In the tender either the bidder on behalf of the Principal / OEM or Principal / OEM itself can bid but both cannot bid simultaneously for the same make/model of the item in the same tender.	NA	

1.	If a bidder submits bid on behalf of the Principal/OEM, the same bidder shall not submit bid on behalf of another Principal /OEM in the same tender for the same item/product.	NA	
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