

## 18. CNC Lathe Programming simulator software

1	CNC Programming Simulator software for Turning operations for FANUC / SIEMENS (or) Equivalent controllers with the following features:	Bidder to specify the features of the simulator software
	a. Basic education	
	b. Interactive training in programming, tool path generation	
	c. Machining verification through graphics simulation	
	d. Built in USB port, RS-232 port.	Bidder to specify the general Terms & Conditions of the simulator software
2	General Terms & Conditions:	
	a. Software should be supplied with latest version	
	b. The quote shall be supplied with reference to the module	
	c. The license must be perpetual	
	d. Warranty: 5 years from the date of acceptance of installation.	
	e. Installation and Training will be the responsibility of the supplier	
	f. During the above period of maintenance, any updates released will be supplied free of cost	
3	Any other Accessories:	Bidder to specify and quote if any other accessories available / required for smooth running of machine software
4	Terms & Conditions	<p>Manufacturer / supplier should have sizable installations of same or better model worldwide and at least five in India which is education institutions, centrally funded institutions. A satisfactory performance certificate from two institutions to be provided for eligibility. Bidder should submit complete contact details.</p> <p>Equipment should be CE certified</p> <p>Authorization letter from OEM</p> <p>List of clients in last five years to be provided</p>
5	Scope of supply	Bidder should submit complete scope of supply (Machine software standard accessories, optional accessories, etc. with make, model) in the technical bid without price. Bidder should supply complete start up package necessary to prove the machine software and provide training.

6	Installation, commissioning and training	
	a. Installation and commissioning requirements	Bidder to state the requirements for installation of the machine software. State clearly the specifications of electrical requirement if any. Vendor should carry out installation and commissioning of the machine software and its accessories on a turnkey basis.
	b. Training and documentation	<p>Training should be provided during installation. Total training duration shall be of 07 days. Training shall be planned in two phases; basic for 4 days and advanced for 3 days. Training content and plan to be submitted. Training faculty must have adequate experience in this field.</p> <p>The vendor should supply the necessary manuals such as</p> <ul style="list-style-type: none"> <li>➤ Software instruction</li> <li>➤ Maintenance and troubleshooting manual</li> <li>➤ Training</li> <li>➤ Installation and Commissioning</li> <li>➤ Handling of accessories</li> <li>➤ Software key (if any)</li> <li>➤ Software CDs</li> </ul>
	c. Technical support and service	Manufacturer should have established after sales & service network in India. The vendor shall have local service and application office and infrastructure to attend by visit within 48 hrs of need. Technical support personnel must have adequate experience in this field. Technical personnel details should be submitted. Name and address of the authorized service centre / partner in India along with the certificate of authorization should be attached.

## 19. CNC Milling Programming simulator software

1	CNC Programming Simulator software for Milling operations for FANUC / SIEMENS (or) Equivalent controllers with the following features:	Bidder to specify the features of the simulator software
	e. Basic education	
	f. Interactive training in programming, tool path generation	
	g. Machining verification through graphics simulation	
	h. Built in USB port, RS-232 port.	Bidder to specify the general Terms & Conditions of the simulator software
2	General Terms & Conditions:	
	g. Software should be supplied with latest version	
	h. The quote shall be supplied with reference to the module	
	i. The license must be perpetual	
	j. Warranty: 5 years from the date of acceptance of installation.	
	k. Installation and Training will be the responsibility of the supplier	
	l. During the above period of maintenance, any updates released will be supplied free of cost	
3	Any other Accessories:	Bidder to specify and quote if any other accessories available / required for smooth running of machine software
4	Terms & Conditions	<p>Manufacturer / supplier should have sizable installations of same or better model worldwide and at least five in India which is education institutions, centrally funded institutions. A satisfactory performance certificate from two institutions to be provided for eligibility. Bidder should submit complete contact details.</p> <p>Equipment should be CE certified</p> <p>Authorization letter from OEM</p> <p>List of clients in last five years to be provided</p>
5	Scope of supply	Bidder should submit complete scope of supply (Machine software standard accessories, optional accessories, etc. with make, model) in the technical bid without price. Bidder should supply complete start up package necessary to prove the machine software and provide training.

6	Installation, commissioning and training	
	d. Installation and commissioning requirements	Bidder to state the requirements for installation of the machine software. State clearly the specifications of electrical requirement if any. Vendor should carry out installation and commissioning of the machine software and its accessories on a turnkey basis.
	e. Training and documentation	<p>Training should be provided during installation. Total training duration shall be of 07 days. Training shall be planned in two phases; basic for 4 days and advanced for 3 days. Training content and plan to be submitted. Training faculty must have adequate experience in this field.</p> <p>The vendor should supply the necessary manuals such as</p> <ul style="list-style-type: none"> <li>➤ Software instruction</li> <li>➤ Maintenance and troubleshooting manual</li> <li>➤ Training</li> <li>➤ Installation and Commissioning</li> <li>➤ Handling of accessories</li> <li>➤ Software key (if any)</li> <li>➤ Software CDs</li> </ul>
	f. Technical support and service	Manufacturer should have established after sales & service network in India. The vendor shall have local service and application office and infrastructure to attend by visit within 48 hrs of need. Technical support personnel must have adequate experience in this field. Technical personnel details should be submitted. Name and address of the authorized service centre / partner in India along with the certificate of authorization should be attached.