

DESCRIPTION: SUPPLY, INSTALLATION AND COMMISSIONING OF HORIZONTAL LATHE MACHINE				
SPECIFICATIONS REQUIRED				
Sl No.	SPECIFICATION	REQUIREMENT	BIDDERS REMARKS	DEVIATION (TO BE MENTIONED)
1	MAKE	VENDOR TO SPECIFY		
2	MODEL	VENDOR TO SPECIFY		
3	COUNTRY OF ORIGIN	VENDOR TO SPECIFY <b>(NOTE: MACHINES OF CHINESE ORIGIN ARE NOT ACCEPTABLE.)</b>		
4	TYPE OF BED	HARDENED & GROUND		
5	HEIGHT OF CENTERS IN MM	MIN 200 MM AND ABOVE		
6	SWING OVER BED IN MM	400-500		
7	SWING OVER CROSS SLIDE IN MM	200-250		
8	DISTANCE BETWEEN CENTRES	50-1200 MM		
9	<b>MAIN SPINDLE</b>			
9a	SPINDLE NOSE/BORE IN MM	A2-5 / 42 MM		
9b	SPINDLE SPEED RANGE RPM	60-1500		
9c	TAPER IN SPINDLE	MT-4		
10	<b>THREADS</b>	FOR THREADING IN METRIC & INCH		
11	<b>TAIL STOCK</b>			
11a	TAIL STOCK SPINDLE DIAMETER	50-90		
11b	TAPER IN TAIL STOCK QUILL	MT-4		
12	<b>TRAVEL AND TOOLS</b>			
12a	CROSS SLIDE TRAVEL	200-250MM		
12b	TOOL SHANK SIZE	25-40MM		
STANDARD ACCESSORIES TO BE SUPPLIED ALONG WITH MACHINE				
13	DEAD CENTRE	02 NOS		
14	TOOL POST SPANNER	01 NO		

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15	CHIP TRAY	01 NO		
16	MOTOR PULLEY	01 NO		
17	THREAD DIAL INDICATOR	01 NO		
18	CHANGE GEAR SET FOR METRIC & INCH BOTH	01 NO		
<b>ADDITIONAL ACCESSORIES REQUIRED</b>				
19	SELF CENTERING CHUCK - 4 JAW 250 MM	01 NO		
20	STEADY REST	01 NO		
21	FACE PLATE	01 NO		
22	COOLANT PUMP WITH TANK & FITTINGS	01 NO		
23	SPLASH GUARD	01 NO		
24	ELECTRIC COMPLETE WITH WIRING SUITABLE FOR STANDARD 3 PHASE, 415 VOLTS, 50 CYCLES, AC SUPPLY	01 SET		
25	SPANNER SET & ALLEN KEYS TO SUIT MACHINE REQUIREMENTS	01 SET EACH		
26	MACHINE LAMP	01 SET		

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OTHER TERMS AND CONDITIONS				
SI No.	FEATURES	REQUIREMENT	BIDDERS REMARKS	DEVIATION (TO BE MENTIONED)
1	Concomitant Accessories	Any other concomitant accessories required to make the machine fully operational on installation & commissioning must also be included in the scope of supply.		
2	Electrical / Electronics:	1) The whole machine set up Electrical / Electronic system shall be designed to power supply of three phase 415 V AC $\pm$ 10% and 50 Hz $\pm$ 2 %.		
		2) All the internal requisite power control wiring shall be included by the supplier under his scope of work.		
		3) All safety aspects from Electrical, Mechanical and operators' point of view shall be suitably incorporated and indicated in manual		
3	Inspection of Equipment and Testing at Manufacturer's Works	1) Testing must be carried out at the manufacturer's works in presence of BEML Inspector. All basic parameters and functional operation system & rigidity of the machine shall be demonstrated to the satisfaction of inspecting officer / appointed inspector or inspecting agency. While carrying out the various specified tests, inspecting agency should jointly sign each and every page of the test result in token of having witnessed these tests		
		2) Should clearly confirm that all the facilities exist and shall be made available to the inspecting authority		
		3) The supplier will submit quality assurance plan being followed at the manufacturers works for ensuring quality of the products offered		
4	Delivery Schedule	The complete machine along with all Accessories/Attachments shall be delivered within 2 months from the date of release of purchase order.		

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5	Guarantee	The complete machine and all other standard / optional Accessories/Attachments shall be guaranteed for a period of 24 calendar months from the date of completion of commissioning, proving out and acceptance by BEML rep. at our site. During this period any part found defective shall be repaired/replaced by the firm at free of cost.		
6	Commissioning	The firm should depute their service personnel for erection, installation and commissioning of the machine. It should be the entire responsibility of the firm to supply, erect, install and commission, prove out the machine features and hand over to the entire satisfaction within the stipulated time from the receipt of the machine at BEML. BEML will only provide power (Electricity), available Material handling facility required for the installation. Rest of the things to be arranged by the firm.		
7	Machine catalogue	Firm should furnish Catalogue/Detailed drawing of the machine and items offered along with the quotation. Sketches are not acceptable. Quotation received without these details are likely to be ignored/disqualified for consideration.		
8	Installation/Commissioning / Foundation	The firm shall provide suitable anti vibration padas or grouting for commissioning of lathe machine @ RC-II, BEML, KGF.		
9	Inspection	Inspection of the Machine at suppliers' premises by BEML Engineers/Technicians before dispatch, is required. However final inspection and acceptance will be at our site on successful completion of Erection, Commissioning and Proving out to the entire satisfaction of our Engineers and final acceptance by our representatives at our works. Along with the inspection call for the equipment, all the Test Charts pertaining to the indication of the performance of the equipment shall also be enclosed.		

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10	Training	Supplier should provide the following comprehensive training programme to six engineers / technicians without any additional cost at their works in the following area before dispatch of the machine: <ul style="list-style-type: none"> <li>• Machine operation / operator training.</li> <li>• Mechanical maintenance</li> <li>• Electrical &amp; Control maintenance.</li> </ul>		
11	Quality Assurance	Documents pertaining to the Quality Assurance system being followed in manufacturing the equipment including the various inspection reports, like geometrical test chart, reliability test chart, final assembly test chart indicating the accuracies expected and the actual readings achieved should be included as annexure along with technical bid so as to ensure the quality of the product.		
12	Service Backup	An undertaking should be submitted by all the bidders for the trouble-free availability of the equipment throughout the complete guarantee / warranty period of 24 months. Any breakdown of the equipment should be attended and equipment should be put back to operation within 48 hours on receipt of the information regarding the same.		
13	Post Warranty Services	The firm shall give minimum of 10 years of spares and service support. The firm shall have service center in India and firm has to provide spares and service support for minimum of 10 years with local support service engineers.		
14	Packing:	(a) Should be packed suitably for shipment abroad. (b) A packing note detailing the stores to be enclosed		
15	Marking	The consignee's addressed and contract number should be marked boldly on the packing case.		

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16	Deviation Statements	The firm should furnish a detailed technical comparison statement (deviation statement) of our tender enquiry vis-à-vis the machine offered by the firm for specifications, features and all the points stipulated under the notes of our tender enquiry in the same order of our tender specifications against each of the point. The offer will be ignored / disqualified in case of not furnishing the above technical comparative statement along with the technical bid.		
17	Standard Documents/Work Instructions	The firm should furnish following publications in TRIPLICATE along with the offer. Manuals for Machine operation, Maintenance, Diagnostics and Repair Detailed Spare Parts catalogue. Wiring diagram, Circuit diagram, Hydraulic Circuit, Machine Parameters, System Software manuals and Part List. Manufacturer Test Certificate. Machine Layout drawing, foundation Drawing and installation details with all necessary information / requirement. The firm shall also furnish the soft copies of the publications mentioned above on a suitable media.		

ELIGIBILITY CRITERIA (Mandatory Clause)			
Sl No.	CRITERIA	BIDDERS REMARKS	DEVIATION (TO BE MENTIONED)
1	Only Original Equipment Manufacturer (OEM) or authorized dealer is eligible to quote		
2	The Original Equipment Manufacturer (OEM) should submit the supporting documents as a proof that they are the OEM of the tendered item/s.		
3	Authorized dealer should submit the duly valid authorization letter issued by the OEM for tendered item clearly indicating the validity date		
4	Firm shall provide suitable Anti vibration pads or Grouting for commissioning of lathe machine @ C-II, BEML, KGF		

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5	The Firm should have supplied minimum of 5 Nos. similar or higher capacity machine during previous 5 years and supporting documents to be submitted with details filled as per the tabular column.					
Sl no	Lathe Machine	Supplied to Customer	Date of supply	Performance/customer feedback	Purchase order reference	
1						
2						
3						
4						
5						
6	<p>Submission of EMD amount:- Vendor to remit EMD amount of Rs.20,000 through online mode before tender closing date &amp; time and upload a copy along with technical bid documents.</p> <p>BEML account details:-  Name: BEML Ltd  Account No.54029289872  Bank: State Bank of India  IFSC Code: SBIN0040168.</p> <p>Vendor seeking EMD fee exemption should upload a valid MSME certificate.</p>					
7	Vendor to provide B.G for 10% of PO value or same amount will be held with BEML till completion of warranty period as a part of P.B.G.					
<p><b>Note:</b> The bidders should mandatorily submit the above referred compliance &amp; supporting documents along with the technical bid without which their technical bid will not be considered for technical evaluation.</p>						

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