



NATIONAL INSTITUTE OF ELECTRONICS  
Ministry of Science & Technology  
Government of Pakistan  
17, H-9, Islamabad



Tel: 051-9265009-13 (Ext: 217)

Fax: 051-9265027

TENDER NO. 08/2017-NIE

MISC. EQUIPMENT, COMPONENTS & ACCESSORIES FOR CNC DRILLING MACHINE

S.#	Description	Qty	Unit Price	Total price
1.	<p><b>CNC Controller System with Software with standard accessories and following Specifications:</b></p> <p><b>Make: Planet CNC OR Any Reputable firm Part No. MK3/4 (4axis) OR Equivalent.</b></p> <p><b>Specifications:</b></p> <ul style="list-style-type: none"><li>• 4 Axes CNC Controller for Stepper and Servo Motors.</li><li>• USB Connectors</li><li>• SD Card Support</li></ul>	02 Nos.		
2.	<p><b>Servo Motor Kit with standard accessories and following specifications:</b></p> <p><b>Make: Delta OR Any Reputable Firm Part No. ECMA-C20807RS ASD-B2-0721-B OR Equivalent</b></p> <p><b>Specifications:</b></p> <p><b>Motor:</b></p> <ul style="list-style-type: none"><li>• Type: AC Servo (Encoder fitted)</li><li>• Power: 750W</li><li>• Rated Torque: 2.39N.m</li></ul> <p><b>Servo Drive:</b></p> <ul style="list-style-type: none"><li>• AC Servo Drive: 750W</li><li>• Power Supply: 220VAC</li><li>• Encoder Cable and Power Cable: 3M</li></ul>	02 Nos.		
3.	<p><b>Servo Motor Kit with standard accessories and following specifications:</b></p> <p><b>Make: Delta OR Any Reputable Firm Part No. ECMA-C20604RS ASD-B2-0421-B OR Equivalent</b></p> <p><b>Specifications:</b></p> <p><b>Motor:</b></p> <ul style="list-style-type: none"><li>• Type: AC Servo (Encoder fitted)</li></ul>	04 Nos.		

	<ul style="list-style-type: none"> <li>• Power: 400W</li> <li>• Rated Torque: 1.27</li> </ul> <p><b><u>Servo Drive:</u></b></p> <ul style="list-style-type: none"> <li>• AC Servo Drive: 400W</li> <li>• Power Supply: 220VAC</li> <li>• Encoder Cable and Power Cable: 3M</li> </ul>			
4.	<p><b>Spindle Motor Kit with standard Accessories and following specifications:</b></p> <p><b>Make: Any Reputable Firm</b></p> <p><b><u>Specifications:</u></b></p> <p><b><u>Brushless Spindle Motor</u></b></p> <ul style="list-style-type: none"> <li>• Power: 400W (Peak Power: 500W)</li> <li>• Clamping Rod: ER11</li> <li>• Work Voltage: 48VDC</li> <li>• Rotation Speed: 12000/min (RPM)</li> <li>• Torque: 530mN.m</li> </ul> <p><b><u>PWM Controller</u></b></p> <ul style="list-style-type: none"> <li>• Compatible with CNC Controller</li> </ul> <p><b><u>Power Supply</u></b></p> <ul style="list-style-type: none"> <li>• Input: AC220V<math>\pm</math>10%, 50Hz</li> <li>• Output: 48V,20A</li> </ul>	02 Nos.		
5.	<p><b>ER11 Collect Set (15 Pieces) with standard accessories and following specifications:</b></p> <p><b>Make: Any Reputable firm</b></p> <p><b><u>Specifications:</u></b></p> <ul style="list-style-type: none"> <li>• Gripping Range: 1mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 6.5mm, 7mm, 1/4", 1/8"</li> <li>• Material: Spring Steel</li> </ul>	01 No.		
6.	<p><b>Router Bit Set for Shaping (100 pieces) with standard accessories and following specifications:</b></p> <p><b>Make: Any Reputable firm</b>  <b>Part No. ETD-RBK25-100PC-2X OR Equivalent</b></p> <p><b><u>Specifications:</u></b></p> <ul style="list-style-type: none"> <li>• 1/4" Shank Router Bit Set</li> <li>• Tungsten Carbide Wood Working Kit</li> </ul>	01 No.		
7.	<p><b>Router Bit Set for Cutting &amp; Engraving (10 pieces) with standard accessories and following</b></p>	01 No.		

	<p><b>specifications:</b></p> <p><b>Make: Any Reputable firm</b>  <b>Part No. 3995143 OR Equivalent</b></p> <p><b><u>Specifications:</u></b></p> <ul style="list-style-type: none"> <li>• 1/8" Shank Dia</li> <li>• Cutting Edge Diameter (CED): 3.175mm(1/8") approx</li> <li>• Cutting Edge Length(CEL): 17mm(0.67inc) approx</li> <li>• Made with solid carbide</li> </ul>			
8.	<p><b>Linear Motion Kit (Mechanical) with standard accessories and following specifications:</b></p> <p><b>Make: Any Reputable firm</b>  <b>Part No. SBR20-RM2505-1500-3000-3000 OR Equivalent</b></p> <p><b><u>Specifications:</u></b></p> <ul style="list-style-type: none"> <li>• 6 x SBR 20 Linear Slide Guide Rails with supported Mounts, 20mm dia, 1500/3000/3000mm length</li> <li>• 3 x Anti Backlash RM2505 pre-end machined ball screw, 25mm dia, 1500/3000/3000mm length</li> <li>• 12 x SBR20UU Linear Slide Open Bearing Blocks</li> <li>• 3 Set RM2505 Ball Nut and Nut Housing Bracket</li> <li>• 3 Set BK17 Fixed Side and BF17 Floated Side End Support Bearing</li> </ul>	02 Nos.		
9.	<p><b>Laptop with standard accessories and following specifications:</b></p> <p><b>Make: LENOVO OR Any Reputable firm</b>  <b>Part No. E50-80-Intel®Core™ i7-5500U OR Equivalent</b></p> <p><b><u>Specifications:</u></b></p> <ul style="list-style-type: none"> <li>• Processor: Intel Core i7</li> <li>• RAM: 8GB</li> <li>• Hard Disk: 1TB</li> <li>• 15.6 HD Anti-Glare</li> <li>• OS: Windows 8.1</li> <li>• Wi-Fi, Bluetooth, USB 3.0, USB 2.0</li> </ul>	01 No.		



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**TERM & CONDITIONS**

**MISC. EQUIPMENT, COMPONENTS & ACCESSORIES FOR CNC DRILLING MACHINE**

**TENDER NO. 08/2017-NIE**

1. Price to be quoted in Pak Rupees on (FOR) free home delivery basis.
2. The bid should be submitted on proper letterhead of the firm; otherwise NIE's tender documents must be duly signed and stamped by the authorized authority of the participated firm.
3. The scope of supplies includes supply of equipment, installation, testing and commissioning of equipment and training of NIE Personnel's.
4. The bid must be supported with necessary catalogue/ brochure indicating make, model detailed specification and country of origin of the offered equipment.
5. The bid should reflect at sight the following costs separately for fair comparison purpose.
  - i. Unit Price of equipment.
  - ii. GST, if applicable.
6. Conditional/ ambiguous bids will not be entertained.
7. Earnest money @ 2% of quoted prices (Refundable) must accompany the tender in shape of a crossed bank draft/ pay order in favour of the Director General NIE. E/M of the successful bidder will be refunded after satisfactory completion of supply order.
8. The bids of the firm operating from their residential address and P.O. Box number will not be considered.
9. Tender number must be specified on the left corner of the tender envelope.
10. The rates should be valid for at least "90" days from the tender opening date.
11. The offered equipment/ items must be brand new of the original manufacturer and covered under normal warranty/guarantee with necessary back-up support.
12. The estimated delivery/ completion period of supplies/ work must be specified in the quotation.

13. In case of late delivery/ completion in supplies/ work, a penalty @ 2% per month of the total order value will be charged from the successful bidder without any notice.
14. The bid found to be lowest evaluated bid shall be accepted on the basis of cost comparison, tender specifications and fulfilling the requirement of the end-user.
15. Tender of all works may be awarded either to a single party or can be divided among different parties depending upon their professional capabilities and competitiveness in prices individually.
16. The earnest money of the rejected firms shall be returned in due course of time.
17. Quantity of the order items can be increased or decreased.
18. NIE. If required may ask the successful bidder to provide 5% Bank Guarantee for satisfactory execution of the supply order.
- 19. No advance payment will be made.**
20. NTN and GST number must be mentioned on the quotation along with providing copy of its documentary evidence, failing which bid will not be considered.
21. Payment will be made on submission of the prescribed bill in duplicate through crossed cheque **OR** irrecoverable letter of credit (Inland L/C) after satisfactory completion of supply order and our acceptance thereof, which includes installation, testing, commissioning of the equipment and training etc. The bill presented on the letterhead of the firm will not be accepted for payment purpose.
22. As per Government Policy payment to the firm is subject to the registration of firm name in **Active Tax Payer List of FBR**, otherwise payment will be stopped till the appearance of vendor name in ATL of FBR.
23. Income Tax/ Sales Tax etc. will be deducted from bill as per Govt. Rules.
24. Last date for receipt of the tender in the Procurement Section of NIE is **May 22, 2017 up to 11:00 hours**. Tenders will be opened on the same day at **11:30 hours** in the presence of those who wish to be present. Tenders received late will not be considered in any case.
25. The Director General NIE reserves the right to accept or reject any or all tenders in part or whole, or change the quantity of tendered items as per provision of PPRA Rules.

**M. Faisal Paracha**  
**Dy. Director Procurement**  
**NIE, Islamabad**  
**Ph: 051-9265009(Ext: 111)**