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Ministry of Science & Technology
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TENDER NO. 09/2019-NIE

MISC. EQUIPMENT, COMPONENTS, AND ACCESSORIES FOR THE UP-GRADATION OF INDUSTRIAL SOLUTIONS AND ADVANCE INDUSTRIAL TRAINING ON PLC HMI AND SCADA LAB

S. #	Name of Item	Qty	Unit Price in PKR	Total Price In PKR
1	<p>Programmable Logic Controller S7-1500 with Memory Card and Power Supply and Din Rail with following specifications:</p> <p>Make: Siemens OR only German made is acceptable Part No. SIMATIC S7-1500 COMPACT CPU OR Equivalent</p> <p><u>Specifications:</u> <u>PLC:</u> SIMATIC S7-1500 COMPACT CPU CPU 1512C-1 PN, Central Processing Unit With Working Memory 250 KB for program and 1 MB for DATA, 32 Digital Inputs, 32 Digital Outputs, 5 Analog Inputs, 2 Analog Outputs, 6 High Speed Counters, 4 High Speed Counters for PTO/ PWM/ Frequency Output 1. Interface: Profinet IRT with 2 Port Switch, 48 NS Bit-Performance, Incl. Front Connector Push-In, Semitic Memory Card Necessary</p> <p><u>Memory Card:</u> SIMATIC S7, Memory Card for S7-1X00 CPU/SINAMICS, 3,3 V FLASH, 4 MBYTE</p> <p><u>Power Supply:</u> SIMATIC PM 1507 24 V/3 A stabilized power supply for SIMATIC S7-1500 input: 120/230 V AC output: 24 V DC/3 A</p> <p><u>Din Rail:</u> SIMATIC S7-1500, Mounting Rail 160 MM (APPR. 6.3 INCH); Incl. Grounding Element, Integrated Din Rail for Mounting Of Small Components Such As Clamps, Fuses or Relays</p>	4		
2	<p>Human Machine Interface</p> <p>Make: Siemens OR only German made is acceptable</p> <p>Part No. SIMATIC HMI, KTP900 BASIC OR Equivalent</p> <p><u>Specifications</u> HMI :SIMATIC HMI, KTP900 BASIC, Basic Panel, Key and Touch Operation, 9" TFT Display, 65536 Colors, Profinet Interface, Configuration from WINCC BASIC V13/ STEP7 BASIC V13, Contains Open Source SW</p>	4		

3	<p>Ladder Logic Software SIMATIC Step7 Prof.v14 SP1 with following specifications:</p> <p>Make: Siemens OR only German made is acceptable</p> <p>Part No. IMATIC STEP 7 Prof. V14 SP1 OR Equivalent</p> <p>Specifications: SIMATIC STEP 7 Prof. V14 SP1 floating license; engineering software in TIA PORTAL; software and documentation on DVD; license key on USB stick; class A; 6 languages: GE,EN,IT,FR,ES,ZH; executable under Windows 7 (64 BIT), Windows 8.1 (64 BIT); for configuration of SIMATIC S7-1200/1500, SIMATIC S7-300/400/WinAC, SIMATIC Basic Panels</p>	4		
4	<p>Industrial IOT System with following specifications:</p> <p>Make: Siemens OR only German made is acceptable</p> <p>Specifications SIMATIC IOT2040, 2x 10/100 MBit/s Ethernet RJ45; 1x USB2.0, 1x USB-Client; SD-CARD-Slot; DC 24V Industrial power supply. SIMATIC IOT2000 input/output Module, 5x DI 2x AI 2x DO, ARDUINO Shield for SIMATIC IOT2020 and IOT2040</p>	2		
5	<p>WellinTech SCADA (King View) Latest version</p> <p>Make: China</p> <p>Part No. KV-DF-103 KingView OR Equivalent</p> <p>Model: KV-DF-103 KingView Development Full, 256 Tag OR Equivalent</p>	1		
6	<p>Desktop Computers</p> <p>Make: DELL OR Equivalent</p> <p>Model No. 3040 OR Equivalent</p> <p>Specifications:</p> <ol style="list-style-type: none"> 1. 6th Generation i7, Intel® Core™ processors. 2. Display Port, HDMI and optional VGA connectivity. 3. 16GB of DDR3 memory 4. 19" LCD DELL OR Equivalent 	4		
7	<p>XLR training kit (Mechanical kit for PLC) with following specifications</p> <p>Make Any Reputed brand</p> <p>Specifications: Required for S7-1500 PLC , kit contains 24 input push and toggle buttons and 16 output LEDs for and one variable for analog input and one XLR input and one XLR output connector for analog.</p>	4		
8	<p>Sine wave UPS 2.2KVA, 24VDC with dry cell batteries</p> <p>Make: any Reputed brand</p>	1		

9	3G Modems with standard accessories Make: Any Reputed brand	2		
10	Industrial Wireless Routers with standard accessories Make: Any Reputed brand	2		
11	Multimedia projector with standard accessories Make: Any Reputed brand	1		
12	Mechanical kit for HMI with standard accessories Make: Any Reputed brand	4		
13	RTUs Make: Any Reputed brand	2		
14	MTUs Make: Any Reputed brand	2		
15	Wireless sensors (level sensor, pressure sensor, temperature sensor) one each Make: Any Reputed brand	3		

NOTE: The vendor/ supplier should offer two week foreign training on PLC, HMI, SCADA, RTU, MTU 3G Modem and industrial IOT system for two persons



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TERM & CONDITIONS:

1. Price to be quoted in Pak Rupees on free home delivery basis.
2. The scope of supplies includes supply of equipment, installation, testing and commissioning of equipment and training of NIE Personnel's.
3. The bid must be supported with necessary catalogue/ brochure indicating make, model detailed specification and country of origin of the offered equipment.
4. The bid should reflect at sight the following costs separately for fair comparison purpose.
 - Unit Price of equipment.
 - GST, if applicable.
5. Conditional/ ambiguous bids will not be entertained.
6. 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.
7. NIE. If required may ask the successful bidder to provide 5% Bank Guarantee for satisfactory execution of the supply order.
8. The bids of the firm operating from 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. The bid found to be lowest evaluated bid shall be accepted only either overall whole tender/items base or each item wise.
14. 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.
15. **Part supply and advance payment is not acceptable.**

16. 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.
17. 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.
18. Payment will be made on submission of the prescribed bill in duplicate through crossed cheque after satisfactory completion of supply order and our acceptance thereof. The bill presented on the letterhead of the firm will not be accepted for payment purpose.
19. Income Tax/ Sales Tax etc. will be deducted from bill as per Govt. Rules.
20. Last date for receipt of the tender in the office of the Deputy Director (Procurement) is **May 17, 2019** 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.
21. 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.

Suhail Ahmed Shami
Deputy Procurement Officer
NIE Plot-17, H-9, Islamabad
Ph: 051-9265009-13 (Ext: 217)