



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



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TENDER NO. 03/2017-NIE

MISC. EQUIPMENT, COMPONENTS & ACCESSORIES FOR COMMUNICATION LAB

S. #.	Description	Qty	Unit Price	Total Price
1.	<p>Portable 4 CH Commander COFDM Wireless Monitor Video Receiver Box with standard accessories and following specifications:</p> <p>Make: Imported</p> <p>Specifications</p> <ul style="list-style-type: none">❖ Part No. ST6000RSY-4❖ Frequency Range: 170-860 MHz❖ COFDM, Video Decoding: MPEG-2/H.264/MPEG-R❖ Audio/ Video Output: 4 Channel, LNA Gain 22dB❖ Filter Bandwidth: 20MHz❖ Amplifier Noise figure less than 1 dBm❖ RF Input Level 640QAM, -92dBm/160QAM, -98dBm/QPSK, -104dBm❖ RF Input Impedance 50 Ohm, 2RF Inputs❖ RF Interference N Connector	01 Unit		
2.	<p>Economic 400mW 1-5 KM Mini COFDM UAV Video Transmitter with standard accessories and following specifications.</p> <p>Make: Imported</p> <p>Specifications:</p> <ul style="list-style-type: none">❖ Part No. ST6200BM-HD❖ COFDM, Video Loss Alarm 3 Channel Switch Function Channel❖ Bandwidth: 6MHz❖ Frequency Range: 138-2GHz❖ Resolution: HD 720P (1280*720)❖ Transmit Range: Air to Ground 1-5 Km LLOS: 1-2Km NLOS\geq200m	01 Unit		
3.	<p>Transmitter 1-5 KM Range with standard accessories and following specifications.</p>	01 No.		

	<p>Make: Imported</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> ❖ Single Transmitter for controlling 20 Slaves ❖ 5 KM Range with 30 dBm Power Software Integrate able 			
4.	<p>LCD Display with standard accessories and following specifications</p> <p>Make: Imported</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> ❖ Size: 15 Inches ❖ Command Monitoring 	02 Nos.		
5.	<p>Power Supply with standard accessories and following specifications</p> <p>Make: Local</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> ❖ AC220V/ DC12V<2A 	01 No.		
6.	<p>Power Supply with following Specifications</p> <p>Make: Local</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ DC 9-16V 	01 No.		
7.	<p>Power Supply with standard accessories and following specifications</p> <p>Make: Local</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> ❖ Input: 220Vac ❖ Output: 12 Volt ❖ DC: 05 Amp 	01 No.		
8.	<p>Antenna 5.8GHz (Transmitter) with standard accessories and following specifications</p> <p>Make: Imported</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Part No. SPQ580012/ 2400~2483 ❖ 12dbi 5.8GHz Omni Directional ❖ Horizontal Beam width: 260 degree ❖ Polarization vertical ❖ Maximum Power 100 Watt ❖ Small VSWR 	01 No.		

9.	<p>Antenna 1.2 GHz (Transmitter) with standard accessories and following specifications</p> <p>Make: Imported</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Part No. ST 1200 BM13 ❖ 1.2GHz 12 dbi Yagi Directional Antenna ❖ 1060-1300 MHz Horizontal and Vertical both capability. 	01 No.		
10.	<p>Antenna 5.8 GHz with standard accessories and following specifications</p> <p>Make: Local/ Imported</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ 5.8 GHz Monopole Antenna with unity gain. 	01 No.		
11.	<p>Antenna 1.2 GHz with standard accessories and following specifications</p> <p>Make: Local/ Imported</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ 1.2 GHz Monopole Antenna with unity gain. 	01 No.		
12.	<p>Antenna 0.4 GHz with standard accessories and following specifications</p> <p>Make: Local/ Imported</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ 0.4 GHz Monopole Antenna with unity gain. 	01 No.		
13.	<p>Yagi Antenna 3db with standard accessories</p> <p>Make: Local/ Imported</p>	01 No.		
14.	<p>High Gain Omni Antenna with standard accessories</p> <p>Make: Local/ Imported</p>	20 Nos.		
15.	<p>High Gain Ground Plane Antenna with standard accessories</p> <p>Make: Local/ Imported</p>	01 No.		
16.	<p>Touch Keypad with standard accessories and following specifications:</p> <p>Make: Local/ Imported</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> ❖ Numeric Data Keypad for configuring slaves 	01 No.		

17	Power Splitter with standard accessories and following specifications: Make: Local/ Imported <u>Specifications:</u> ❖ Bandwidth: 16MHz ❖ 01 Input ❖ 04 Output ❖ Power Splitter Loss 12dB	01 No.		
18.	Receiver 5 Km with standard accessories and following specifications: Make: Local/ Imported <u>Specifications:</u> ❖ Receiver UHF/VHF ❖ Band Sensitivity: 100dbm ❖ Software Integrate able to remote device	20 Nos.		
19.	Power Batteries with standard accessories and following specifications: Make: Local/ Imported <u>Specifications:</u> ❖ Power Battery Pack 12 Volt 3 Amp	20 Nos.		
20.	Li Nano Phosphate 3.6volt 2.2AH with standard accessories Make: Local/ Imported	20 Nos.		
21.	Controlled Charger for Li Nano Phosphate 3.6volt 2.2 A.H Make: Local	02 Nos.		
22.	Adapter 12volt 5A Make: Local	05 Nos.		
23.	Nicrom wire fuse 6Volt 1Amp Make: Local	5000 Nos.		
24.	Lead Batteries 12Volt 2.5Amp Make: Local	10 Nos.		
25.	Video lead 100 meter Roll Make: Local	01 Roll		
26.	RCA male Connector Make: Local	12 Nos.		
27.	DIN (M) Connector 4 pin Make: Local	12 Nos.		
28.	DIN (F) Connector 4 pin Make: Local	12 Nos.		
29.	DIN (M) Connector 3 pin Make: Local	12 Nos.		

30.	DIN (F) Connector 3 pin Make: Local	12 Nos.		
31.	DC Pin (F) Make: Local	12 Nos.		
32.	RG-316 RF cable Make: Local	100 Feet		
33.	PL-259 (M) for RG-316 Make: Local	12 Nos.		
34.	Camera Stand for antenna mounting Make: Local	06 Nos.		
35.	Inverter 500 Watt 12volt DC to 220 AC with standard accessories Make: Local	02 Nos.		
36.	Heavy duty crocodile clip RED and BLACK Make: Local	08 Nos.		
37.	Power wire 50 Meter square RED Make: Local	05 Meter		
38.	Power wire 50 Meter square BLACK Make: Local	05 Meter		
39.	RG-213 RF Cable Make: Local	50 Meter		
40.	DVM Make: Local	02 Nos.		
41.	Battery 09Volt Make: Local	24 Nos.		
42.	Power Supply 30Volt 10 Ampere Make: Local	02 Nos.		
43.	Crocodile clip Small Red Make: Local	12 Nos.		
44.	Crocodile clip Small Black Make: Local	12 Nos.		
45.	Tye wraps 6 " Make: Local	2 packets		
46.	Tye wraps 4" Make: Local	2 packets		
47.	Jubilee Clamps 3" Make: Local	10 Nos.		
48.	Hook up wire # 22 Red 100meter Make: Local	1 Roll		
49.	Hook up wire # 22 Black 100 meter Make: Local	1 Roll		
50.	Electronic Tech tool kit Make: Local	01 No.		
51.	SMA Connectors PCB Mount(Female) 50 ohm Make: Local	20 Nos.		
52.	SMA Connectors PCB Mount(Female) 50 ohm Make: Local	10 Nos.		



TERM & CONDITIONS

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TENDER NO. 03/2017-NIE

1. Price to be quoted in Pak Rupees on (FOR) 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.
 - i. Unit Price of equipment.
 - ii. 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. The bids of the firm operating from their residential address and P.O. Box number will not be considered.
8. Tender number must be specified on the left corner of the tender envelope.
9. The rates should be valid for at least "90" days from the tender opening date.
10. The offered equipment/ items must be brand new of the original manufacturer and covered under normal warranty/guarantee with necessary back-up support.
11. The estimated delivery/ completion period of supplies/ work must be specified in the quotation.

12. 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.
13. 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.
14. 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.
15. The earnest money of the rejected firms shall be returned in due course of time.
16. Quantity of the order items can be increased or decreased.
17. NIE. If required may ask the successful bidder to provide 5% Bank Guarantee for satisfactory execution of the supply order.
- 18. No advance payment will be made.**
19. 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.
20. 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, 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.
21. 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.
22. Income Tax/ Sales Tax etc. will be deducted from bill as per Govt. Rules.
23. Last date for receipt of the tender in the Procurement Section of NIE is **February 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.
24. 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)