



**OFFICE OF THE EXECUTIVE DISTRICT OFFICER (I.T.) KHAIRPUR**  
 No. EDO (I.T) /504/2011.

Dated: 10 -05 - 2011

**TENDER NOTICE.**

**SUPPLY OF MACHINAY & EQUIPMENTS.**

Sealed tenders are invited from the contractors/suppliers/interested persons for supply & fixing of Machinery & Equipments in the office of Executive District Officer Information Technology Khairpur for installation of E-Networking System & I.T centers/EDO office. The details of the required items, tender fee, , date for issuance/submission of tender documents and opening of tenders are mentioned below. Whereas the contractors are required to submit 2.5% bid security of total quoted cost in shape of pay order in favor of undesignated along with bid documents.

**1/- ITEMS REQUIRED FOR E-NETWORKING SYSTEM.**

| S. No:               | Name of Item.   | Detailed Specification   | Quantity required |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
|----------------------|---|--|-------------------|----------------|-----------------|---------------------------|----------------------|---|----------|-------|---------------------|----------|-----------|-------|-----------|-------|------|-------|--------------------|--------|--------------|-------------|----------|----------------------|------|----------------|--------|--------------|-----------|
| 1                    | Installation 300 feet tower at base station (EDO (IT) Office).              | Extra heavy legs, serpentine backing & flanged connections, 12 inch faces tubular leg structure capable of being used as a guyed, freestanding or wall bracketed tower, guyed a maximum of every 30 feet, steel wire guyed, with all accessories & aircraft safety light (From ground)   | 01                |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| 2                    | Installation 150 feet tower at Client station (LT Training Centre Khairpur) | Extra heavy legs, serpentine backing & flanged connections, 12 inch faces tubular leg structure capable of being used as a guyed, freestanding or wall bracketed tower, guyed a maximum of every 30 feet, steel wire guyed, with all accessories & aircraft safety light (From ground)   | 01                |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| 3                    | Construction of foundation  | Civil work for Base foundation of Towers   | 02                |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| 4                    | Antenna   | <table border="1"> <tr> <td>Frequency Range</td> <td>4.9 – 5.9 GHz</td> </tr> <tr> <td>Hpol Beamwidth</td> <td>5 deg. (3dB)</td> </tr> <tr> <td>Vpol Beamwidth</td> <td>5 deg. (6dB)</td> </tr> <tr> <td>Max VSWR</td> <td>1.4:1</td> </tr> <tr> <td>Cross-pol Isolation</td> <td>35dB min</td> </tr> <tr> <td>Dimension</td> <td>648mm</td> </tr> <tr> <td>F/B Ratio</td> <td>-34dB</td> </tr> <tr> <td>Gain</td> <td>30dBi</td> </tr> <tr> <td>Wind Survivability</td> <td>120mph</td> </tr> <tr> <td>Polarization</td> <td>Dual Linear</td> </tr> <tr> <td>Mounting</td> <td>Universal pole mount</td> </tr> <tr> <td>ETSI</td> <td>EN 302 326 DN2</td> </tr> <tr> <td>weight</td> <td>Aprox. 10k.g</td> </tr> </table> | Frequency Range   | 4.9 – 5.9 GHz  | Hpol Beamwidth  | 5 deg. (3dB)              | Vpol Beamwidth       | 5 deg. (6dB)  | Max VSWR | 1.4:1 | Cross-pol Isolation | 35dB min | Dimension | 648mm | F/B Ratio | -34dB | Gain | 30dBi | Wind Survivability | 120mph | Polarization | Dual Linear | Mounting | Universal pole mount | ETSI | EN 302 326 DN2 | weight | Aprox. 10k.g | 02 units. |
| Frequency Range      | 4.9 – 5.9 GHz   |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Hpol Beamwidth       | 5 deg. (3dB)  |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Vpol Beamwidth       | 5 deg. (6dB)  |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Max VSWR             | 1.4:1   |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Cross-pol Isolation  | 35dB min  |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Dimension            | 648mm   |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| F/B Ratio            | -34dB   |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Gain                 | 30dBi   |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Wind Survivability   | 120mph  |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Polarization         | Dual Linear   |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Mounting             | Universal pole mount  |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| ETSI                 | EN 302 326 DN2  |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| weight               | Aprox. 10k.g  |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| 5                    | Radio Device 5GHz.  | <table border="1"> <tr> <td><b>TECHNOLOGY</b></td> <td><b>REMARKS</b></td> </tr> <tr> <td>Processor Specs</td> <td>Atheros MIPS 24KC, 400MHz</td> </tr> <tr> <td>Networking Interface</td> <td>1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface</td> </tr> </table>   | <b>TECHNOLOGY</b> | <b>REMARKS</b> | Processor Specs | Atheros MIPS 24KC, 400MHz | Networking Interface | 1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface | 02 units |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| <b>TECHNOLOGY</b>    | <b>REMARKS</b>  |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Processor Specs      | Atheros MIPS 24KC, 400MHz   |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |
| Networking Interface | 1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface                       |  |                   |                |                 |                           |                      |   |          |       |                     |          |           |       |           |       |      |       |                    |        |              |             |          |                      |      |                |        |              |           |

No. 9663  
 Date: 10/5/11  
 Sixth Floor  
 Regulatory Authority

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 MCB



|   |                             |  |          |
|---|-----------------------------|--|----------|
|   | Memory Information          | 64MB SDRAM, 8MB Flash  |          |
|   | Wireless Approvals          | FCC Part 15.247, IC RS210, CE  |          |
|   | RoHS Compliance             | YES  |          |
|   | Enclosure Characteristics   | Outdoor UV Stabalized Plastic  |          |
|   | Enclosure Size              | 16cm length x 8cm width x 3cm height   |          |
|   | Weight                      | 0.5 kg   |          |
|   | RF Connector                | 2x RPSMA (Waterproof)  |          |
|   | Max Power Consumption       | 8 Watts  |          |
|   | Operating Humidity          | 5 to 95% Condensing  |          |
|   | Operating Temperature       | -30C to 75C  |          |
|   | Power Supply                | 24V, 1A POE Supply Included  |          |
|   | Max Power Consumption       | 8 Watts  |          |
|   | Mounting Kit                | Pole Mounting Kit included   |          |
| 6 | Installation of Network for | Complete Installation of Network with cables and all accessories.<br>1.Base Station<br>2.Client Station                                  | complete |
| 7 | Software                    | Comprehensive Wireless Network Management Software.<br>E Network Management Console Software.<br>Education Management Solution Software. | complete |

**2/-ITEMS REQUIRED FOR I.T CENTERS & EDO (I.T) OFFICE**

| S. No | Name of Item.            | Detailed Specification  | Quantity required |
|-------|--------------------------|---|-------------------|
| 1     | Computer                 | Precessor Intel dual core 3.0, MB intel41 series 2 GB DDR3 Ram, HDD 250GB SATA, DVDRW Drive SATA, ATX Tower casing compatable with 24 pin PS unit key board, mouse optical 17" CRT display LG   | 15                |
| 2     | Generator                | 6.5 KVA   | 02                |
| 3     | UPS                      | 3 kva   | 01                |
| 4     | Lap Top                  | Intel core i3, 390(2.67GHz/3MB cache)14.0" WXGA wide Sscreen bright view LED/2GB DDR 3/ 500GB HDD/DVD super multi 8 x DVD-RW Dual layer/ 802. 11 bgn wireless lan/ bluetooth/ multi card reader/ web camera & Digital microphone/6 cell batery/touch pad/free doss/HP set carry case. |                   |
| 5     | Air Conditioner          | 1.5 tons  | 01                |
| 6     | Digital Photocopier      | A-3 size, MT1600 or equvelent   | 01                |
| 7     | Installation of Exchange | 6 Eextension, 2 lines.  | Complete          |



Sealed tender must be reached in the office of undersigned on 28-5-2011 at 1.00 pm, the tenders will be opened on the same date viz 28-5-2011 at 2:00 PM in the office of undersigned.

The tender form /bid documents for supply of required items alongwith other details and copy of terms & conditions with prescribe Proforma may be purchased from the office of undersigned against non refundable tender fee of Rs. 2000/= for items required for E-Net working system & Rs. 1000/= for items required for I.T Centers & EDO office up 27-5-2011 at 2:00 PM from the office of undersigned from the first date of posting of this N.I.T on website.

**(SYED SABIR HUSSAIN SHAH)**  
Executive District Officer (I.T)  
Chairman Tender Committee  
Khairpur

C.C to:-

1. The District Coordination Officer Khairpur.
2. The Director Information(Advertisement), Information Department, Government of Sindh, Karachi for publication this NIT in (03) three leading news paper viz sindhi Urdu & English
3. The Director, Sindh Public Procurement Regulatory Authority, Planning & Development Department Karachi Block-8 Secretariat 4-A, Court Road Karachi for posting/hoisting on the Authority's website.
4. The Executive District Officer (Finance & Planning) Khairpur/Member Purchase Committee.
5. The District Accounts Officer, Khairpur.
6. The Members \_\_\_\_\_ (All) purchase Committee

Executive District Officer (I.T)/