



**PAKISTAN TELECOMMUNICATION AUTHORITY**  
**Headquarters, F-5/1, Islamabad**  
**www.pta.gov.pk**

**APPLICATION FORM FOR FIXED WIRELESS SERVICES**  
**(Point to Point Microwave Links, VSAT, Telemetry and Other Fixed Links)**

PTA Reference: _____	Date: _____
FAB Reference: _____	Date: _____
License No. _____	Date: _____

For  
Official  
Use Only

1. Name of Applicant Organization: \_\_\_\_\_  
 Postal Address: \_\_\_\_\_  
 Telephone. (with city code): \_\_\_\_\_ Fax No. \_\_\_\_\_ Web Site: \_\_\_\_\_
2. Contact Person: Mr/Ms/Mrs \_\_\_\_\_  
 (First Name) (Last Name)  
 Designation: \_\_\_\_\_ Department: \_\_\_\_\_  
 Telephone: (with city Code): \_\_\_\_\_ Mobile No. (if any): \_\_\_\_\_  
 Fax (with city Code): \_\_\_\_\_ Email: \_\_\_\_\_
3. **Link Data:**
  - a. Nature of Service:  Public  Government  Limited Public  Private
  - b. Type of Link  Bi-directional  Unidirectional  Spread Spectrum Technology  
 Telemetry  CMT Microwave  Other
  - c. Link Capacity: \_\_\_\_\_ Mbps d. Hop Length: \_\_\_\_\_
  - e. Working Time: From: \_\_\_\_\_ To: \_\_\_\_\_ f. Type of Transmission: analog/Digital g. Frequency Band: \_\_\_\_\_
  - h. Frequency Spot (Requested): Tx: \_\_\_\_\_ Rx: \_\_\_\_\_ i. Channel Bandwidth: \_\_\_\_\_
  - j. Modulation Type: \_\_\_\_\_ k. Total No. of Site: \_\_\_\_\_
  - l. Designation of Emission: \_\_\_\_\_ m. Duration of License: 3 / 5 / 10 / Other Years
  - n. Purpose: \_\_\_\_\_
4. **Site # 1 Data**
  - a. Name of Station \_\_\_\_\_
  - b. Address of Station \_\_\_\_\_
  - c. Coord. Longitude: \_\_\_\_\_ Degrees: \_\_\_\_\_ Minutes \_\_\_\_\_ Seconds  
 Latitude: \_\_\_\_\_ Degrees: \_\_\_\_\_ Minutes: \_\_\_\_\_ Seconds

**Note: Provision of Coordinates up to the accuracy of Second is mandatory**

  - d. Height of site above mean sea level (AMSL): \_\_\_\_\_ Meters
  - e. Type of Location:  City  Hill  Rural  Within 16 km of Aerodrome
5. **Site # 2 Data:** (separate form for equipment details to be submitted if different equipment at both site is used)
  - a. Name of Station \_\_\_\_\_
  - b. Address of Station \_\_\_\_\_
  - c. Coord. Longitude: \_\_\_\_\_ Degrees: \_\_\_\_\_ Minutes \_\_\_\_\_ Seconds  
 Latitude: \_\_\_\_\_ Degrees: \_\_\_\_\_ Minutes: \_\_\_\_\_ Seconds

**Note: Provision of Coordinates up to the accuracy of Second is mandatory**

  - d. Height of site above mean sea level (meters): \_\_\_\_\_

e. Type of Location:  City  Hill  Rural  Within 16 km of Aerodrome

6. **Equipment data:**

a. Equipment name: \_\_\_\_\_  
 b. Manufacturer: \_\_\_\_\_  
 c. Frequency range of Equipment: From \_\_\_\_\_ To \_\_\_\_\_

7. **Transmitter:**

a. Transmitter Output Power: Max: \_\_\_\_\_ Working: \_\_\_\_\_  
 b. Total Attenuation (dB): \_\_\_\_\_  
 c. **Attach Spectrum Chart for Transmitter**

8. **Receiver (for BER 10<sup>-6</sup>):**

a. C/I at threshold level (dB): \_\_\_\_\_ b. Receiver threshold level (dBm): \_\_\_\_\_  
 c. Total Attenuation (dB): \_\_\_\_\_  
 c. **Attach Spectrum chart for receiver**

9. **Antenna Data:**

a. Antenna name: \_\_\_\_\_ b. Antenna Type: \_\_\_\_\_  
 c. Manufacturer: \_\_\_\_\_ d. Diameter (m) \_\_\_\_\_  
 e. Antenna frequency range from \_\_\_\_\_ to \_\_\_\_\_  
 f. Antenna Gain \_\_\_\_\_ dBi For Frequency \_\_\_\_\_  
 g. Polarization \_\_\_\_\_  
 h. Antenna height above ground level (m) \_\_\_\_\_  
 i. Half Power Beam Width: \_\_\_\_\_ j. Front to Back Ratio (dB): \_\_\_\_\_  
 k. Losses (dB): Feeder: \_\_\_\_\_ Branch: \_\_\_\_\_ Switch: \_\_\_\_\_

**Antenna Pattern**

**PLEASE ATTACH THE AZIMUTH CO-POLARIZATION & CROSS POLARIZATION CHARTS OF THE ANTENNA (ALSO IN TABULAR FORM).**

10. Supplementary Information (if any): \_\_\_\_\_

11. Nature and date of issuance of PTA license awarded to the applicant: \_\_\_\_\_

**DECLARATION**

I/we hereby, declare that the statement made and particulars given in this application Form are true and correct to the best of my/our knowledge and belief.

I/we also declare and undertake that all facilities to be acquired by me/us pursuant to this application shall be used by me/us only for the purpose for which it is acquired and that the conditions subject to which the facilities is granted shall be complied with.

Signature: \_\_\_\_\_  
 Designation: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Place: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Office Seal**

**Guideline for Preparation of Proposals by the Applicant**

1. The applicant is required to submit proposal comprising of Ten (10) sets whereas each set must contain the following documents:
  - i. Letter of intent
  - ii. Application on Prescribed Form
  - iii. Detailed Technical Literature of the equipment
  - iv. Network Plan/Site Plan
  - a. Site Coordinates duly verified by the Survey of Pakistan or acquired by commercially available GPS
  - vi. Undertaking on the company letterhead in original (bearing company's monogram) that "M/S ----- will not use any secrecy device on the communication system"
  - vii. Processing fee of Rs. 1000/- for each link site.
2. The permission to establish and to maintain the specific radio link will be issued by Radio Based Services section of the Pakistan Telecommunication Authority after obtaining clearance from the concerned quarters.