



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

APPLICATION FORM FOR THE ESTABLISHMENT OF SATELLITE EARTH STATION

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 Details :

a. Nature of Service: [ ] Public [ ] Government [ ] Limited Public [ ] Private

b. Type of Link [ ] Bi-directional [ ] Unidirectional [ ] Spread Spectrum Technology

[ ] For Voice [ ] For Data [ ] Other

c. Link Capacity: \_\_\_\_\_ Mbps d. Link to be used for: \_\_\_\_\_

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

4. Site Data

a. Name of Station \_\_\_\_\_

b. Address of Station \_\_\_\_\_

c. Coord. Longitude: \_\_\_\_\_ Degrees: \_\_\_\_\_ Minutes \_\_\_\_\_ Seconds

Latitude: \_\_\_\_\_ Degrees: \_\_\_\_\_ Minutes: \_\_\_\_\_ Seconds

Note: Provision of Coordinates upto 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

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  $10^{-6}$ ):**  
 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. **Satellite Data:**  
 a. Name of Satellite: \_\_\_\_\_ b. Orbital Position: \_\_\_\_\_ c. Beacon Frequency: \_\_\_\_\_  
 d. Power of Emission: \_\_\_\_\_ e. Power Density: \_\_\_\_\_  
 f. Standard used: (IBS/IDR/Drop Insert/Other) \_\_\_\_\_ In case of other, also provide technical details.  
 g. Data Security Measures used (FCC Method): \_\_\_\_\_  
 h. Frequency Band: \_\_\_\_\_  
 Note: Attach Antenna Specification as mentioned in serial 9, also include Off-Axis Gain Characteristics  
 i. Operator: \_\_\_\_\_ Country: \_\_\_\_\_  
 k. Address of the Operator: \_\_\_\_\_
11. Nature and date of issuance of PTA license awarded to the applicant: \_\_\_\_\_

**DECLARATION**

**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**

12. **Guideline for Preparation of Proposals by the Applicant**
- 12.2 Prior to establishment of the Satellite Earth Station the licensee are required to obtain permission/site clearance from PTA.
- 12.3 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. Detailed Technical Literature of the equipment
- iii. Network Plan/Site Plan
- iv. Site Coordinates duly verified by the Survey of Pakistan or acquired by commercially available GPS
- v. Organizational Structure of the Company along with Copy of NIC of concerned officer (If previously not provided)
- vi. Undertaking from the applicant that “No Secrecy Device will be used on the communication system” on letter head bearing company’s Monogram/ Authorized Stamp in original.

12.4 The registration fee shall be as follows:

- |            |                                            |                     |
|------------|--------------------------------------------|---------------------|
| <b>i.</b>  | <b>Application processing fee per link</b> | <b>Rs. 1000</b>     |
| <b>ii.</b> | <b>Registration fee per station</b>        | <b>Rs. 10,000/-</b> |

13. The Applicant is required to fill out the attached checklist before submission of the proposal to Director (RBS).