

**WPC APPLICATION FORM FOR EARTH STATIONS (FSS<sup>1</sup>)**

(Please fill up all the columns and strike-off the options which are not applicable)

**i) General Information:**

1. Name of the applicant/agency/company :
2. Postal address including pin code and state :
3. Telephone No. /Mobile No :
4. Fax No :
5. E-mail id. :
6. Date, the assignment is likely to be put into use. :
7. Period of purported use of earth station. : Temporary/Regular.  
(If temporary specify the period of operation)
8. Particulars of telecom service from DoT or  
Broadcasting Permit from Ministry of I & B :  
(Pl attach copy)

**ii) Technical characteristics:**

9. Name of Satellite and Satellite operator :
10. GSO Location of satellite. :
11. Frequency band of operation. : Ka Band/Ku Band/C Band/S Band/L Band
12. Details of frequency and other tech. parameters : Attached as Annexure-I  
(Pl attach details in table format comprising of  
start frequency, stop frequency, center frequency,  
emission, FEC data rate, EIRP (up), EIRP  
(down), modulation, polarization etc for each  
carrier proposed to be used)
13. Type of Service : Captive/ Commercial
14. Category of service : Fixed/Mobile/Transportable.

15. (i) Tick the type of service (if Broadcast Network) : Teleport/DTH/HITS/DSNG/Others  
(ii) Tick the type of service (if Telecom N/W) : VSAT/NLD/ILD/ TTC Earth station/  
Telemetry/ Others.  
*(If 'others' selected, please enclose a brief note on  
the network)*
16. Category of application. : New/ Additional/Revision/Revision &  
Additional
- (i) In case of revision/addition etc, existing license no & validity :
- (ii) If not holding any license, please write Decision Letter no ,date and validity:

### **iii) Location Information for Hub/Teleport/Master Earth Station**

*(If multiple hubs are used, attach the information pertaining to columns 17 to 22 separately for each hub. In case of Telecom Networks, please attach the complete details of the network including relevant information pertaining to column 17 to 22 separately)*

17. Location & complete address of the Earth Station :
18. (i) Geographical coordinates in degrees, minutes  
and seconds :
- Longitude :
- Latitude :
- (ii) Height of site above Mean Sea Level (MSL) in meter :
- (iii) Height of Antenna above Ground level in meter :

### **iv) Antenna Details of Hub.**

19. Size of Antennae :
20. Max. gain of the Antennae (dB) :
- Transmission :
- Reception :
21. G/T of the Earth Station
22. Does the off axis pattern of the antenna : YES/NO *(tick one only)*  
complies with the prevailing TEC<sup>2</sup> norms.

## **v) RF Carrier Details**

23. Total bandwidth to be used. :
24. Nature of media to be transmitted. : Data/Voice/Video. *(Tick whichever Applicable)*
25. Link Budget Calculations : Attached as Annexure-II.  
*(To be attached as per TEC doc .TEC/IR/SCB-08/03. Oct. 2013 as amended from time to time)*
26. Carrier Plan details. : Attached as Annexure-III.  
*(NOCC <sup>3</sup> approved channel plan to be attached. This should be in conformity with Annexure-I)*
27. Transponder allocation and its validity (\*) : Attached as Annexure-IV.  
*(Transponder allocation letter from DoS  / Satellite operator)*

## **vi) RF Equipments**

28. Details of RF equipments in the Hub. : Proposed RF chain diagram attached as Annexure-V
- i. No of BUC/UPC in the chain :
- ii. No of HPA/TWTA/SSPA/ODU :

## **vi) Miscellaneous:**

29. Details of remote terminals other than Hub. : Attached As Annexure-VI.  
*(1. Please provide the antenna size, antenna gain, address, geo-coordinates in 6 digits in a printed sheet as an annexure.  
2. In case of DSNG/SNG/Fly-way terminals, the deployment of these terminals along with the 'location after use' may be submitted separately)*

It is certified that the information given above is true to the best of my knowledge and all documents confirming to the check list mandated for satellite license services listed at WPC Website <http://www.wpc.gov.in> are attached along with this application form.

**Dated:**

**Signature of the applicant**

**Place:**

**Name:**

**Designation**

*(\*) The satellite proposed to be used should have been coordinated with INSAT system and notified as per the ITU procedures.*

**Enclosures:**

*(Please tick the enclosed documents)*

1. Telecommunication Service License from DoT or Broadcasting Service Permission from MIB.
2. Annexure-I : Carrier details (Please refer to Column 12)
3. Annexure-II : Link Budget Calculations. (Please refer to Column 25)
4. Annexure-III : NOCC carrier plan. (Please refer to Column 26)
5. Annexure-IV : Transponder Allocation Letter. (Please refer to Column 27)
6. Annexure-V : Proposed RF chain lay out diagram for the Hub. (Please refer to Column 28)
7. Annexure-VI : Remote terminals details/DSNG Deployment plan. (Please refer to Column 29)

**Explanatory Note:**

1. FSS- Fixed Satellite Service.
2. TEC-Telecom Engineering Centre, New Delhi.
3. NOCC- Network Operation Control Centre, New Delhi.
4. DoS- Department of Space, Bangalore
5. The satellite proposed to be used should have been coordinated with INSAT system and notified as per the ITU procedures.
6. The spectrum charges are calculated as per the WPC OM No. P-11014/34/2009-PP (III) dated 22<sup>nd</sup> March, 2012 and License fee and late fee vide order No. P-11014/34/2009-PP (IV) dated 22<sup>nd</sup> March, 2012 (both posted on WPC website) and as revised from time to time.