

# CHAPTER – III

## Role of WPC and SACFA Clearances

### 3.1. INTRODUCTION:

#### 3.1.1 WIRELESS PLANNING & COORDINATION WING.

The WIRELESS PLANNING & COORDINATION (WPC) Wing of the Ministry of Communications, created in 1952, is the national radio regulatory authority responsible for frequency spectrum management, including licensing and caters for the needs of all wireless users (government and private) in the country. It exercises the statutory functions of the Central Government and issues licenses to establish, maintain and operate wireless stations. WPC is divided into major sections like Licensing and Receival (LR), New Technology Group (NTG) and Standing Advisory Committee on Radio Frequency Allocation (SACFA). SACFA makes the recommendations on major frequency allocation issues, formulation of the frequency allocation plan, making recommendations on the various issues related to International Telecom Union (ITU), to sort out problems referred to the committee by various wireless users, Siting clearance of all wireless installations in the country etc.

3.1.2 The Standing Advisory Committee on Radio Frequency Allocations (SACFA) is a high level committee chaired by Secretary (DOT)/Chairman, Telecom Commission. Heads of major wireless users/administrative ministries of the Govt. of India, Member (Technology), Telecom Commission, and Wireless Adviser to the Govt. of India, Joint Secretary, DoT are its members. WPC wing of the Ministry of Communications provides secretarial help to the committee. Joint Wireless Adviser, WPC wing is the member-secretary of the Committee.

### Names and Addresses of SACFA Members

<b>Name &amp; Designation</b>	<b>Deptt.</b>	<b>Address for communications</b>	<b>E-Mail/Fax/Tele.</b>
Engineer-in-Chief	All India Radio	Room No.141, Akashvani Bhavan Parliament Street, New Delhi - 110 001.	sacairnd@hub.nic.in 2341459/23421058 23421062
Engineer-in-Chief	Doordarshan	Room No.502, Doordarshan Bhavan, Copernics Marg, New Delhi - 110 001.	sacddnd@hub.nic.in 23387380/23388113
Director	JCES	Cabinet Secretariat, Military Wing, Room No.34, Plot No.108, Church road, New Delhi.	sacjcesnd@hub.nic.in 23013942/23014703

Addl. Director General(T.T)	Army Hqrs.	Room No.634, A-Wing ,Sena Bhavan, New Delhi - 110011.	sacsignd@hub.nic.in 23373333/23373658
Director (Signals)	Naval Hqrs.	Room No.33, Sena Bhavan, C-Wing, New Delhi 110011	sacnavnd@hub.nic.in 23792806/23012109
Principal Director(Sigs)	Air Hqrs.	Room No.514, Vayu Bhavan, New Delhi 110011	saciafnd@hub.nic.in 23011051/23010231 23017514 23016517
Sr. DDG(TX)	BSNL	601, Statesman House, B-Wing, Barakhamba Road, New Delhi - 110 001.	sramaganapathy@bsnl.in 23372151/23372200
Director	DCPW	Room No.300, Block No. 09, CGO Complex, Lodhi Road, New Delhi – 110003.	sacpolnd@hub.nic.in 24361561/24361114
Executive Director (Telecom)	Ministry of Railways	Room No. 152 , Railway Board, Rail Bhavan, New Delhi - 110 001.	sacrlynd@nic.in 23304198/23383138
General Manager (ATM)	AAI	Room No. 128, Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi - 110003.	sacaaind@hub.nic.in 24611078/24652648
Director (Electronics)	Light house and light ships, Ministry of Transport	A-13, Deep Bhaan, Sector 24, NOIDA, (UP), Pin: 201301	sacelhnd@hub.nic.in 95120 - 2524093
Director General	IMD	Room No.606, Mausam Bhavan, Lodhi Road, New Delhi-110003.	sacimdnd@nic.in 24699216/24624486
Director	DOS	Room No.304, Antariksh Bhavan, ISRO Hqrs. Frequency Management, New Bel Road, Bangalore – 560094.	sacdnd@hub.nic.in 23412141/23415301
Chief Engineer (E&T)	ONGC	12 <sup>th</sup> Floor, Scope Minar Laxmi Nagar, Vikas Marg, New Delhi - 110092.	Sacongnd@nic.in 23316413/24362701
Sr. Director	Deptt. of Information Technology	Room No.4003, Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi. – 110003.	24363095/24363133
DDG	NIC	Room No.227, NIC Building, CGO	sacnicnd@nic.in

		Complex, Block-A, Lodhi Road, New Delhi-110003.	24361475/24361635
Director (WM)	Wireless Monitoring Organisation (DOT)	Room No. 321 , Wireless Monitoring Organization, E-Wing, Pushpa Bhavan, New Delhi – 110062.	sacwmond@nic.in 26097762/26098618
Off. Director	CMO, Ministry of Defence	Room No. 105, M- Block, CMO, Ministry of Defence New Delhi.	23011535/23011439
DDG(R), TEC	DoT	TEC, Khursheed Lal Bhavan, New Delhi-110 001.	23329333
Joint Wireless Adviser Secretary, SACFA	WPC WING	607, Sanchar Bhavan, New Delhi - 110 001.	sacsacnd@hub.nic.in 23372179/23372183

3.1.3 The main functions of the committee are to make recommendations on:-

- Major frequency allocation issues,
- Formulation of National Frequency Allocation Plan,
- Making recommendations on various issues related to International Telecommunications Union (ITU),
- Asia Pacific Telecommunity (APT),
- To sort out the problems referred to the committee by various wireless users, siting clearance of all wireless installations in the country, etc.

3.1.4 SACFA clearances are issued after getting 'no objection' from various SACFA members who have to carry out detailed technical evaluation including field surveys, etc. At times they have to obtain evaluations from their field units. The technical evaluation is done primarily for-

- a) Aviation hazards.
- b) Obstruction to line of site of existing/planned networks
- c) Interference (Electro Magnetic Interference (EMI)/Electro Magnetic Compatibility (EMC)) to existing and proposed networks.

3.1.5. SACFA Monitoring cell headed by CCE/Dy.CSTE(Tele) of the railway shall monitor the timely disposal of pending and new cases. The cell shall maintain the concern data on PC with the help of nominated official/supervisor. Since WPC is switching over the SACFA clearance procedures such as filing of applications, issue of IDs, etc., on line, these staff should be trained to work on line. The clearance for SACFA is on the

software system namely Automated Spectrum Management System provided by WPC for speedy handling.

### **3.2. CATEGORIES OF SITES FOR WIRELESS STATIONS:**

#### **3.2.1 Mast Height Category:**

##### **3.2.1.1 Sites for HF/VHF/UHF:**

Those fixed wireless stations whose mast/tower height do not exceed 30 meters above ground level and are operating in certain frequency bands with limited output power as given below are covered under this category:

- (a) All HF stations with power output of 125 watts or less.
- (b) (i) All VHF stations below 174 MHz with power output of 50 watts or less except broadcast stations.  
(ii) All VHF stations in the frequency range 174-230 MHz with output power up to 25 watts except broadcast stations.
- (c) Broadcasting stations in the band 30 - 230 MHz with an output power output up to 100 watts.
- (d) All VHF/ UHF stations with a power output of 10 watts or less.

Siting Applications of the above wireless stations are to be forwarded to the members of SACFA listed in **Annexure-I** in the application form (**WPC S-1**).

##### **3.2.1.2 Sites for V-SAT/ Micro-Earth Stations (C-, Extended C and KU bands) with power output up to 5 watts:**

###### **(A) Antenna size- up to 4.0 Meters:**

In case the total height of antenna including support structure is 30mteres or less from the ground level, the siting application need to be processed under **Mast Height Category** and Siting applications need to be circulated to members of SACFA as per **Annexure -IV** using the proforma (**WPC S-4**).

###### **(B) Antenna size- More than 4.0 Meters:**

If the antenna height is more than 4 metres but less than 20 metres AGL and the distance from airport reference point is less than 7 kms, clearance need to be obtained from Army Hqs., Air Hqs., Naval Hqs., JCES and AAI under **Mast Height Category**. If the distance of the site is more than 7 km from airport reference point and antenna height is less than 20 metres 'no objection' is to be obtained from AAI only. The siting applications of the above stations may be forwarded to SACFA members as per list at **Annexure-IV** in application form (**WPC S-4**).

### **3.2.2 Exemption from Mast Height Clearance:**

#### **3.2.2.1 Sites for HF/VHF/UHF:**

Those mast height cases which satisfy the following conditions are exempted from mast height clearance:-

- (i) Antenna mast should be installed on the **rooftop** of the building.
- (ii) The height of mast including antenna to be installed on the rooftop should not be more than **3 meters**.
- (iii) The site should be at least **3 KM** away from the nearest airport.

#### **3.2.2.2 Sites for V-SAT, Micro-Earth Stations ( C, EXTENDED C & KU bands with power output upto 5 watts:**

##### (A) Antenna size- 1.8/ 2.4 Meters:

If the antenna is to be installed on the rooftop of an existing building with mast height not exceeding 3 metres from rooftop and which is at least 3 kms away from the nearest airport 'no objection' from Department/Organization may not be necessary. These cases will be processed under **Mast Height Exemption Category**. The site details are to be furnished to Secretary SACFA in the Mast Height (VSAT) application proforma (**WPC S-4**).

##### (B) Antenna size- More than 2.4 Meters and up to 3.8 meters:

If the antenna diameter of VSAT is more than 2.4metres and upto3.8metres and antenna height up to 4 metres above ground level beyond the distance of 7 km from airport reference point (ARP) 'no objection' from any of the Departments may not be necessary. These cases will be processed under **Mast Height Exemption (VSAT)**.

**3.2.2.3** The procedure for fast-track clearances of applications for mast height exemption is given in Annexure IX

### **3.3 Full Siting Category:**

The following fixed stations are covered under the full siting category:

- 3.3.1 (a) All HF stations with power output more than 125 watts.
- (b) (i) All VHF stations below 174 MHz with power output more than 50 watts.
- (ii) All VHF stations in the frequency range 174-230 MHz with power output more than 25 watts.

(c) Broadcasting stations in the frequency band 30-230 MHz with power output more than 100 watts.

(d) All UHF stations with power output more than 10 watts

3.3.2 Station in microwave, line of sight, radio-relay systems.

3.3.3 All radar stations, Satellite Communication System (including Earth stations), radio navigation and radio location system.

3.3.4 All VSATs / micro-earth stations with transmitter power more than 5 watts

3.3.5 Receiving stations in services like Space Research, Radio astronomy and other sensitive receiving systems operating above 1 Ghz.

3.3.6 Any other change in existing parameters other than reduction in power and mast height of the approved parameters.

The siting applications for the above stations are to apply to members as per list at **Annexure-II** in application form **(WPC S-2)**.

#### **3.4 Additional Antenna Category:**

##### **3.4.1 Sites for HF, VHF, UHF and Microwave:**

All those antennae which are to be installed on the existing mast, already cleared under full siting category, fall under this category. The application is to be circulated to all SACFA members as per **Annexure -III** in the application form **(WPC S-3)** but the site is cleared by SACFA Sectt after ensuring receipt of applications by all members of SACFA except cases falling under DIZ area for which clearance from JCES is necessary.

Wherever tower space is being leased to private operators, either by railways directly or through RCIL, the application shall be processed by the operator quoting the full siting clearance approval obtained by the railways.

##### **3.4.2 Sites for Earth Station:**

The Earth Station dishes within 50 mts. from an already cleared site may be treated under this category provided the height of proposed installation, including, building height does not exceed the height of already cleared site/mast.

**3.5** The procedure for fast-track clearances of applications under additional antenna category is given in Annexure-X.

#### **4. GUIDELINES FOR FILLING UP SITING APPLICATIONS:**

4.1. Application forms for all categories of siting may be obtained from SACFA secretariat and necessary information may be furnished keeping in view the following:-

- (i) Six digit coordinates of the site are necessary. These six figure coordinates may be taken with the help of GPS system or any other method for accuracy.
  - (ii) The height of the site above mean sea level (AMSL) should be obtained from Survey of India or any other agency except in the case of additional antenna category for which a copy of the earlier SACFA clearance and AAIs clearance for that site is mandatory.
  - (iii) Name of the nearest airport and its distance from the site should be mentioned in the application for categories of siting. This information is also supplied by survey of India on demand.
  - (iv) If the site is within 5 kms from the airport then the site map should be authenticated by either the nearest airport authority or any other government organization such as municipal corporation/local town planning committee, etc distance of the site from airport may also be authenticated.
  - (v)
    - (a) The map should be of scale of 1 cm = 1 km or nearest and should cover an area of 12 kms radius around the site.
    - (b) The following should be marked clearly on the map:
      - (i) scale of the map
      - (ii) location of the site
      - (iii) name and geo-coordinates of the site
    - (c) Map should contain at least two parallel lines of latitude and longitude.
  - (vi) Geo-coordinates of the site on the map should be authenticated by the applicant himself.
- 4.2 Applications hard copy along with soft copy on a floppy of 3.5"be submitted for examination, verification and issue of ID Nos. to SACFA secretariat. Software is available from SACFA Secretariate.
- 4.3 Not more than 5 applications should be submitted in one bunch.
- 4.4 Separate application forms are to be filled for different frequency band and different site.
- 4.5 After issue of ID Nos., siting application is to be circulated as per list applicable to each category of siting clearance. A forwarding letter issued by SACFA is also to be attached with the siting application.
- 4.6 The applications for additional antenna category need to be circulated to all members of SACFA but no NOC from any member is necessary for approval of site except sites which fall in DIZ area for which NOC from JCES is necessary.

- 4.7 A copy of the agreement letter assigning the frequencies from WPC should be attached with application.
- 4.8 A copy of DOT's license agreement may also be endorsed in case of value added service.

## **5.0 CLEARANCE OF SACFA CASES FROM RAILWAYS**

On receipt of the proposal for site clearance the following aspects have to be checked from railways activity point of view:

5.1 **FREQUENCY**: The frequency of the proposal and the band at which it is proposed is to be cross checked with the allotted frequencies and frequency bands of Railways and clearance can be given if it is not interfering with Railway frequency.

In case if the proposal frequency and band are adjacent to the railway working frequency a condition has to be imposed in the no objection certification that permission is given provided the transmission won't interfere with the railway frequency.

5.2 **SITE**: The Longitude and Latitude of the proposed site has to be cross checked with the existing Longitude and Latitude of the railway communication site. If the Longitude and Latitude are very near to the railway site, the locations have to be physically checked on the topography map for clearance of signal.

5.3 **TOWER HEIGHT**: When the proposal is near to Longitude and Latitude for the railway site then the tower height proposed has to be cross checked for any interference in the path of the railway communication.

5.4. **TRANSMITTER POWER**: The transmitter power of the proposal has to be cross checked whenever the proposal is nearer to the railway site and a conditional certificate should be given for avoiding spurious signal from the transmitter.

6. Further information on the role of WPC and SACFA and the procedures to be followed can be obtained from **[www.wpc.dot.gov.in](http://www.wpc.dot.gov.in)**.



**ANNEXURE-I**

**List of SACFA members to whom the application for Mast Height (general)  
Category needs to be circulated**

<b>Name &amp; Designation</b>	<b>Deptt.</b>	<b>Address for communications</b>	<b>Number of copies To be sent</b>
Addl. Director General (TT)	Army Hqrs.	Room No. 634, A-Wing ,Sena Bhavan, New Delhi – 110011.	02
Director (Signals)	Naval Hqrs.	Room No.33, Sena Bhavan, C- Wing, New Delhi 110011.	02
Principal Director(Sigs)	Air Hqrs.	Room No. 514, Vayu Bhavan, New Delhi – 110011.	02
General Manager (ATM)	AAI	Room No. 128, Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi – 110003.	02
Joint Wireless Adviser Secretary, SACFA	WPC Wing	Room No 607, Sanchar Bhavan, New Delhi - 110 001.	02
Director	JCES	Cabinet Secretariat, Military Wing,Room No. 5, Plot No.108, Church Road, New Delhi.	01
Director General	IMD	Room No. 606, Mausam Bhavan, Lodhi Road, New Delhi-110003	01

**ANNEXURE -II**

**List of SACFA members to whom the siting application under full siting category need to be circulated**

<b>Name &amp; Designation</b>	<b>Deptt.</b>	<b>Address for communications</b>	<b>Number of copies To be sent</b>
Engineer in Chief	All India Radio	Room No.141 Akashvani Bhavan Parliament Street, New Delhi - 110 001.	01
Engineer in Chief	Doordarshan	Room No.502 Mandi House Copernics Marg, New Delhi - 110 001.	01
Director	JCES	Cabinet Secretariat, Military Wing, Room No. 34, Plot No.108, Church road, New Delhi.	01
VSM, Addl. Director General (TT)	Army Hqrs.	Room No.634, A-Wing ,Sena Bhavan, New Delhi – 110011.	04
Director (Signals)	Naval Hqrs.	Room No. 33, Sena Bhavan, C- Wing, New delhi 110011	01
Principal Director(Sigs)	Air Hqrs.	Room No.514, Vayu Bhavan, New Delhi – 110011.	01
Sr. DDG (TX)	BSNL	Room No.601, Statesman House, Barakhamba Road, New Delhi - 110 001.	02
Director	DCPW	Room No.300, Block No. 09, CGO Complex, Lodhi Road, New Delhi – 110003.	04
Executive Director (Telecom)	Ministry of Railways	Room No. 152, Railway Board, Rail Bhavan, New Delhi - 110 001.	A list of sites circulated to the concerned Rly. zones
General Manager (ATM)	AAI	No.128, Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi - 110003.	01
Director (Electronic)	Light house and light ships,	A-13, Sector 24, NOIDA, Gautam Buddha Nagar.	01

<b>Name &amp; Designation</b>	<b>Deptt.</b>	<b>Address for communications</b>	<b>Number of copies To be sent</b>
Dy. General Manager (TP)	Ministry of Transport VSNL	UP - 201301. Room No.400, 4th Floor, Videsh Sanchar Bhavan, M.G. Road, Fort, Bombay-400001.	01
Director General	IMD	Room No.606, Mausam Bhavan, Lodhi Road, New Delhi 110003	01
Director	DOS	Room No.304 , Antariksh Bhavan, ISRO Hqrs., Frequency Management, New Bel Road, Bangalore – 560094.	01
Chief Engineer (E&T)	ONGC	12th Floor, Scope Minar, Laxmi Nagar, Vikas Marg, New Delhi 110092.	03
Sr. Director	Deptt. of Information Technology	Room No.4003, Electronics Niketan, 6, CGO Complex, Lodhi Road,New Delhi – 110003.	01
DDG	NIC	Room No.227, NIC Building, CGO Complex, Block-A, Lodhi Road, New Delhi – 110003.	01
Director (WM)	Wireless Monitoring Organisation (DOT)	Room No 321, Wireless Monitoring organization, E-Wing, Pushpa Bhavan, New Delhi – 110062.	01
Joint Wireless Adviser Secretary, SACFA	WPC WING	Room No 607, Sanchar Bhavan, New Delhi - 110 001.	02

**ANNEXURE -III**

**List of SACFA members to whom the siting application for additional antenna category needs to be circulated**

<b>Name &amp; Designation</b>	<b>Deptt.</b>	<b>Address for communications</b>	<b>Number of copies To be sent</b>
Engineer-in-Chief	All India Radio	Room No.141, Akashvani Bhavan Parliament Street, New Delhi - 1101.	01
Engineer-in-Chief	Doordarshan	Room No. 502, Mandi House, Copernics Marg, New Delhi –11.	01
Director	JCES	Cabinet Secretariat, Military Wing,Room No. 5, Plot No.108, Church Road, New Delhi.	01
Addl. Director General (TT)	Army Hqrs.	Room No. 634, A-Wing ,Sena Bhavan, New Delhi – 110011.	01
Director (Signals)	Naval Hqrs.	Room No.33, Sena Bhavan, C- Wing, New Delhi 110011.	01
Principal Director(Sigs)	Air Hqrs.	Room No. 514, Vayu Bhavan, New Delhi – 110011.	01
DDG(TX)	BSNL	Room No. 601, Sanchar Bhavan, 20, Ashoka Road, New Delhi - 110 001.	02
Director	DCPW	Room No.300, Block No. 09, CGO Complex, Lodhi Road, New Delhi – 110003.	01
Executive Director (Telecom)	Ministry of Railways	Room No.152, Railway Board, Rail Bhavan, New Delhi - 110 001.	01
General Manager (ATM)	AAI	Room No. 128, Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi – 110003.	01
Director (Electronics)	Light house and light ships, Ministry of Transport	A-13, Sector 24, NOIDA, Gautam Buddha Nagar, UP – 201301.	01

<b>Name &amp; Designation</b>	<b>Deptt.</b>	<b>Address for communications</b>	<b>Number of copies To be sent</b>
Director General	IMD	Room No. 606, Mausam Bhavan, Lodhi Road, New Delhi-110003	01
Director	DOS	Room No. 304 , Antariksh Bhavan, ISRO Hqrs., Frequency Management, New Bel Road, Bangalore - 560094	01
Chief Engineer (E&T)	ONGC	12th Floor, Scope Minar, Vikas Marg, Laxmi Nagar, New Delhi-110092.	01
Sr. Director	Ministry of Information Technology	Room No4003, Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi – 110003.	01
DDG	NIC	Room No.227, NIC Building, CGO Complex, Block-A, Lodhi Road, New Delhi –110003.	01
Director (WM)	Wireless Monitoring Organisation (DOT)	Room No 321, Wireless Monitoring organization, E-Wing, Pushpa Bhavan, New Delhi –110062.	01
Joint Wireless Adviser Secretary, SACFA	WPC WING	Room No 607, Sanchar Bhavan, New Delhi - 110 001.	02

## Annexure-IV

### **List of SACFA members to whom the application for mast height clearance (V-Sat) needs to be circulated**

<b>Name &amp; Designation</b>	<b>Deptt.</b>	<b>Address for communication</b>	<b>Number of copies To be sent</b>
Addl. Director General (TT)	Army Hqrs.	Room No. 634, A-Wing ,Sena Bhavan, New Delhi – 110011.	02
Director (Signals)	Naval Hqrs.	Room No.33, Sena Bhavan, C- Wing, New Delhi 110011.	02
Principal Director(Sigs)	Air Hqrs.	Room No. 514, Vayu Bhavan, New Delhi – 110011.	02
General Manager (ATM)	AAI	Room No. 128, Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi – 110003.	02
Joint Wireless Adviser Secretary, SACFA	WPC WING	Room No 607, Sanchar Bhavan, New Delhi - 110 001.	02
Director	JCES	Cabinet Secretariat, Military Wing,Room No. 5, Plot No.108, Church Road, New Delhi.	01
Director General	IMD	Room No. 606, Mausam Bhavan, Lodhi Road, New Delhi-110003	01

**Application form for Mast Height (General)**

1	ID number and date	
2	Name of Applicant	
3	Address of applicant	
4	Transmitter power (in watts)	
5	Frequency/Frequency band of operation	
6	Antenna location	
7	Lattitude/longitude (six digit)	
8	Height of site above mean sea level	
9	Height of antenna mast above ground (building height to be included if it is to be installed on the roof top)	
10	Height of building	
11	Name of the nearest Airport	
12	Distance of the site from the nearest airport	
13	Location map with boundary reference	
14	Ministry's reference with date vide which frequencies earmarked (A copy of agreement to be attached)	
15	Remarks	

**Signature of Applicant**

**Application form for Full Siting Category**

1	Service	
2	ID number and date	
3	Name of Applicant	
4	Address of Applicant	
5	Transmitter power (in watt)	
6	Frequency/Freq. band of operation	
7	Antenna location	
7	Latitude and longitude (six digit)	
9	Height of site above mean sea level	
10	Height of antenna mast above ground level	
11	Height of building if antenna is to be installed on the roof top	
12	Type of antenna and its size	
13	Azimuth of maximum radiation	
14	Gain of Tx. Antenna (db)	
15	Gain of Rx antenna (db)	
16	Beam width (in degree)	
17	Name of the nearest airport	
18	Distance of the site from the nearest airport	
19	Receiver location	
20	Nature of service	
21	Circuit/hop length	
22	Approx. area covered by antenna location	
23	Service area	
24	Location map	
25	Ministry's reference and date	
26	DOT agreement number and date, if required	
27	Remarks	

**( Signature of Applicant )**



**Application form for Additional Antenna Category**

1	Service	
2	ID number and date	
3	Name of Applicant	
4	Address of Applicant	
5	Transmitter power (in watt)	
6	Frequency/Freq.band of operation	
7	Antenna location	
8	latitude and longitude(six digit)	
9	Height of site above mean sea level	
10	Height of antenna mast above ground level	
11	Height of building if antenna is to be installed on the roof top	
12	Type of antenna and its size	
13	Azimuth of maximum radiation	
14	Gain of Tx. Antenna (db)	
15	Gain of Rx antenna (db)	
16	Beam width (in degree)	
17	Name of the nearest airport	
18	Distance from the site	
19	Receiver location	
20	Nature of service	
21	Circuit/hop length	
22	Approx .area covered by antenna location	
23	Service area	
24	Location map	
25	Ministry's reference and date	
26	DOT agreement number and date	
27	Earlier SACFAreference vide which site cleared	
28	Remarks	

( Signature of Applicant )

**Application form for Mast Height (VSAT)**

1	ID number and date	
2	Name of Applicant	
3	Address of applicant	
4	Transmitter power (in watts)	
5	Frequency/Frequency band of operation	
6	Antenna location	
7	Latitude/longitude (six digit)	
8	Height of site above mean sea level	
9	Height of antenna mast above ground (building height to be included if it is to be installed on the roof top)	
10	Height of building	
11	Type of antenna and its size	
12	Azimuth of maximum radiation	
13	Gain of Tx antenna (db)	
14	Gain of Rx antenna (db)	
15	Name of the nearest Airport	
16	Distance of the site from the nearest airport	
17	Location map with boundary reference	
18	Ministry's reference with date vide which frequencies earmarked (A copy of agreement to be attached)	
19	D o T agreement number and date	
20	Remarks	

**Signature of Applicant**

**F.No. K-19012/Misc./2005-CFA  
Government of India  
Ministry of Communications & IT  
Department of Telecommunication  
WPC Wing**

Sanchar Bhavan  
New Delhi-110001  
Dated: 27<sup>th</sup> July, 2005.

OFFICE MEMORANDUM

Sub: Simplified procedure for sites falling under “Mast Height Exemption Category”.

In case of sites for VSATs and other masts/antennae for various applications falling under “Mast Height Exemption Category”, the following procedure comes into force with immediate effect.

2. For the sites falling under “Exemption from Mast Height Clearance”, the applications are to be filed online like other SACFA siting applications. Signed hard copies along with the details of ID numbers and the required amount of Bank Draft be submitted to SACFA Secretariat.
3. In addition, a consolidated list of such sites along with the details as per the prescribed format (**Annex-1**) are to be submitted in duplicate.
4. An earnest money of Rs. 1000/- (Rupees One thousand only) per site in the form of State Bank of India Demand Draft, drawn in favour of The Pay & Accounts Officer ( HQrs), Department of Telecommunications, payable at New Delhi, is required to be submitted.
5. An undertaking as per **Annex-2** shall also be submitted by the applicant.

This procedure supersedes all earlier OMs in this regard.

s/d...

(D.SINGARAVELU)  
Deputy Wireless Adviser  
to the Government of India



**UNDERTAKING**

Whereas M/s. \_\_\_\_\_, a company incorporated under the Companies Act, 1956, having its registered office situated at \_\_\_\_\_ is a provider of VSAT Service.

AND for the purpose of VSAT Service, M/s. \_\_\_\_\_ as aforesaid applied for Licence / permission from Government of India on its own volition and has agreed to abide by terms and conditions relating to the VSAT licence etc.

AND the M/s. \_\_\_\_\_ has installed VSAT stations some of which fall under “ SACFA Exemption Category”, full details and Particulars of which are given above (in Annex-I appended hereto).

I, \_\_\_\_\_, Son/Daughter of Shri \_\_\_\_\_, resident of \_\_\_\_\_ and \_\_\_\_\_ Owner/Managing Director/Director/Partner/Authorised Signatory; for and on behalf of the above said company do hereby undertake that all the VSATs as detailed above (in Annex-I) have antenna size up to 2.4 meter diameter and use RF Power up to 5 watts.

I further undertake that all the terms and conditions framed regarding VSATs will be fully observed, and in the event of any violation of such terms and conditions or furnishing of wrong information above (in Annexure I) or otherwise, I and M/s. \_\_\_\_\_ shall indemnify jointly and severally the WPC Wing, Department of Telecommunications (DOT) against all third party claims and shall accept full responsibility and liability for the same, including any penalty or, dismantling of the VSAT (at our cost) and / or cancellation of the wireless licence, as decided by the WPC Wing, Department of Telecommunications.

Signed on \_\_\_\_\_ day of \_\_\_\_\_ Two thousand Five by Shri \_\_\_\_\_ holder of General Power of Attorney executed pursuant to the Board resolution dated \_\_\_\_\_.

Date:

(Signature)

Place:

(Name & Designation of the Authorised Signatory)

(Name & Address of the Service Provider Company)

In the present of Witnesses:

1.

2.

(Note: For masts/antennae for other applications, the Undertaking may be modified accordingly)

**ANNEXURE-X**

**Fast track site clearances for additional antennae**

K-16011/05/2002-CFA

Government of India  
Ministry of Communications & Information Technology  
Department of Telecommunications  
Wireless Planning and Coordination Wing

223-B, Sardar Patel Bhavan,  
Parliament Street, New Delhi 110001  
Date: 03.07.2002

**OFFICE-MEMORANDUM**

**Subject:Fast track site clearances for additional antennae**

Kindly refer to agenda item no. 5 of Summary Record of 137th meeting of SACFA held on 28.05.2002 where BSNL representative informed pendency of their cases for additional antennae despite involvement of less number of SACFA members. After detailed discussion, it was decided that no NOC (s) from SACFA members will be required for siting cases falling under additional antenna category. However, siting applications are to be circulated to all members of SACFA and their receipt is to be ensured. After ensuring receipt of such cases, SACFA Sectt. will issue necessary clearances for sites falling under additional antenna category.

The following modified procedure for additional antennae cases will be followed in future-

- Applicant will apply to SACFA Sectt in a prescribed proforma available with SACFA Sectt for which softcopy may be obtained from SACFA Sectt for obtaining ID numbers.
- Applicant will enclose a copy of earlier SACFA clearance, NOC received from AAI with regard to site under consideration if site was cleared after 1995 and appropriate map indicating the site.
- Applicant will be issued ID numbers after scrutinizing applications for correctness.
- When applicant informs SACFA about likely date of circulation of siting applications, he will be issued circulation letter meant for all members of SACFA, which he will attach with applications and circulate within a week's time.
- Applicant will obtain acknowledgement slip in token of receipt of his applications by SACFA members.
- Applicant has to submit a copy of frequency agreement letter issued by WPC at the time of obtaining SACFA clearance.
- Applicant will be issued SACFA clearance within a short time after confirming receipt of applications through receipts

--SD---

( Deepa Aggarwal ),  
Assistant Wireless Adviser  
For, Secretary, SACFA