

Dated: 17 Nov. 2011

Office Memorandum

Subject: Inter Ministerial Committee on EMF Radiation – Acceptance of recommendations reg.

I am directed to communicate the acceptance of the following recommendations of the Inter Ministerial Committee on EMF Radiation set up vide order of even number dated 24.8.2010:-

Mobile Handsets

- i) SAR level for mobile handsets shall be limited to 1.6 Watt / Kg, averaged over a 6 minutes period and taken over a volume containing a mass of 1 gram of human tissue.
- ii) SAR level shall be displayed on the handset.
- iii) All cell phone handsets sold in the market in India shall comply with relevant BIS standards and shall be with hand free devices.
- iv) SAR value information of the mobile handsets shall be available on the manufacturer's web site & in the handset's manual. The information on SAR values shall be made available to the consumer at the point of sale.
- v) Mobile hand set manufactured and sold in India or Imported from other countries shall be checked for compliance of SAR limit.
- vi) The manufacturers in India shall provide self declaration of SAR value of the handset. In respect of imported handset from other countries, manufacturers apart from self declaration of SAR shall specify the SAR information in their documents for verification by the appropriate authority. Suitable amendments in the Indian Telegraph Rule under Indian Telegraph Act 1985 shall be enacted for strict compliance.
- vii) Manufacturer's mobile handset booklet shall contain the following safety precautions:
 - a. Use a wireless hands-free system (headphone, headset) with a low power Bluetooth emitter.
 - b. Make sure the cell phone has a low SAR.
 - c. Keep your calls short or send a text message (SMS) instead. This advice applies especially to children, adolescents and pregnant women.
 - d. Use cell phone when the signal quality is good.
 - e. People having active medical implants should preferably keep the cell phone at least 15 cm away from the implant.
- viii) List of SAR values of different mobile phones shall be uploaded on DoT/TEC website.

Mobile Base Stations

- ix) The exposure limit for the Radio Frequency field (Base Station Emissions) lowered to $1/10^{\text{th}}$ of the existing exposure level as under :

Type of Exposure	Frequency Range	Power Density (Watt/Sq. mtr.)
General Public	400-2000 MHz	$f/2000$
	2-300 GHz	1

f : frequency in MHz.

- x) Provision shall be made for continuous online monitoring and display of radiation level in mobile network frequency range at prominent places in metro/cities and online data transfer to the central server.
- xi) The mobile service providers apart from self certification for compliance of radiation norms on EMF exposure shall measure the radiation level in mobile network frequency range of prominent places and display it for information of the general public. The service providers should have mobile unit for its measurement wherever necessary.
- xii) A national data base with the information of all base stations, their emission compliance status (i.e. Compliant / non-compliant) shall be created and made available in DoT website for public information.
- xiii) Uniform guidelines to be formulated at national level to enforce restrictions on establishment / setting up of BTS towers.
- xiv) An appropriate framework to be created for structural safety clearance for towers set up on roof-tops.
- xv) In the Master Plan of towns and cities the location for installation of mobile towers shall be identified in consultation with the Ministry of Urban Development.
- xvi) New technology low power transmitters shall be installed with in-building solutions for the future expansion of telecom network in the country.
- xvii) Long term scientific research related to health aspect of EMF radiation exposure from multiple antennas of a shared infrastructure sites and associated technologies in India shall be encouraged.
- xviii) A document "Radio waves and safety in our daily life" in regional languages indicating various Dos and Don'ts related to mobile phone users clarifying various myths regarding deployment and use of radio waves shall be created for enhanced customer awareness and to be given to the customer at the point of sale by the mobile service provider.

This issues with the approval of MOC&IT.

AKC
17/11/2011

(A.K. Chaudhary)
ADG (Elect.)

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Copy to:

- i) PS to Hon'ble MOC&IT
- ii) PS to Hon. MOS (C&IT)-D
- iii) PS to Hon. MOS (C&IT)-P
- iv) PPS to Secretary (T), DoT
- v) PSs to Member (T)/ Member (F)/ Member (S)
- vi) PS to Addl. Secy.
- vii) Advisor (Technology)
- viii) Sr. DDG (TEC)/ Sr. DDG (AS)/ Sr. DDG (BW)/ DDG (IP)/ DDG (TERM)/ DDG ((CS)/ DDG (PG)/ Wireless Adviser, WPC, DoT for taking necessary action.
- ix) All members of the IMC