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Government of India
Ministry of Communications & IT
Department of Telecommunications
WFC Wing

Sanchar Bhavan, 2/A Anoka Road,
New Delhi - 110 001

12/200(11)/00 NT

Dated the 3rd November 2001

ORDER

Subj: Spectrum charges for Microwave (MW) Access and MW Backbone Networks of GSM and CDMA based telecom service providers

In pursuance of the powers conferred by Section 4 of the Indian Telegraph Act, 1885 (13 of 1885) and in supersession of the Order No. L-14047/01/2002-NTG dated 18th April 2002 and in partial modification of Order No. R-11014/4/87-LR(P) dated 20th July 1995 and Corrigendum No. R-11014/26/2002-LR dated 1st April 2002, the central government hereby prescribes the following royalty charges (based on revenue share) for Microwave (MW) Access (normally in the frequency band 10 GHz and beyond) and MW Backbone networks (generally below 10 GHz frequency band) of GSM and CDMA based telecom service providers:

The following revenue share percentage(s) shall be levied for assignment of Microwave networks of GSM and CDMA based telecom service providers:

Carrier Bandwidth	Spectrum charges as percentage of AGR	Cumulative spectrum charges as percentage of AGR
1 st carrier of 28 MHz (paired)	0.15 %	0.15%
2 nd carrier of 28 MHz (paired)	0.20%	0.35%
3 rd carrier of 28 MHz (paired)	0.20 %	0.55 %
4 th carrier of 28 MHz (paired)	0.25 %	0.80 %
5 th carrier of 28 MHz (paired)	0.30 %	1.10 %
6 th carrier of 28 MHz (paired)	0.35 %	1.45 %

The above spectrum charges (as percentage of AGR) are applicable for both access carriers (in Metros and other telecom service areas) as well as the backbone carriers separately.

While the first microwave access carrier can be allotted for the complete area, subsequent carriers shall be allotted based on justification and for the districts where it is found to be essential.

However, the revenue share would be based on the AGR for complete area for simplicity of calculations, which is one of the main features of the share regime.

Contd. 2nd

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2.5 Assignment of frequencies for MW access and MW backbone network. GSM and CDMA based telecom networks would continue to be considered on basis of full justification of the requirements and availability of the spectrum, case-to-case and link-to-link basis, after taking into consideration the spect requirement of the other users with a view to ensuring electromagnetic compatit etc. The complete technical analysis and all related aspects of freque assignments, including efficient use of spectrum, will apply before assign frequencies for various MW access and MW backbone links. There will be obligation on the part of the Government to assign frequencies for such purposes.

2.6 These charges include the royalty charges for spectrum usages and licer fee for the fixed stations in the MW access and MW backbone links.

2.7 The assignment of MW access and MW backbone frequencies shall not exclusive for any service provider and will be shared with other services / users.

2.8 In addition, the charges for GSM spectrum (in 900 / 1800 MHz band) a CDMA spectrum (in 800 MHz band) will continue to be levied in accordance with ti existing orders on the subject.

3. These orders shall come into force from the date of issue.

S P Singh 31

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Copy to:

1. All Concerned.
2. COAI.
3. AUSPI
4. All GSM based Operators.
5. All CDMA based operators.
6. Monitoring Organisation.
7. Wireless Finance Division