

Government of India
Ministry of Communications
Department of Telecommunications
Wireless Planning and Coordination Wing
20, Ashoka Road, Sanchar Bhawan, New Delhi -110001

No. P-11014/34/2009-PP(Pt.)

Dated: 29.02.2024


Subject: Guidelines / explanations to the Spectrum Usages Charges order O.M. No. P-11014/34/2009-PP dated 11.12.2023 for Assignment of Frequencies to Captive Users (Being charged on formula basis) for different types of Radiocommunication Services.

Based on queries from various stakeholders, the following guidelines/ explanations mentioned against the following Schedules of the O.M. No. P-11014/34/2009-PP dated 11.12.2023 are issued for making the better understanding of the said order.

Schedule	Guidelines / Explanation
Schedule-II : Land Mobile Services in LF/MF/HF/VHF/ UHF bands (Bandwidth upto 375 KHz)	<ol style="list-style-type: none">1. Fixed site Coverage Category 1 will be applicable for Power and Antenna Height combinations (as in Table 2 for coverage category) and coverage distance upto 6KMs or (Radius ≤ 3 Kms).2. Fixed site Coverage Category 2 will be applicable for Power and Antenna Height combinations (as in Table 2 for coverage category) and coverage distance (>6 and ≤ 30) Kms or ($3 < \text{Radius} \leq 15$ Kms).3. Fixed site Coverage Category 3 will be applicable for Power and Antenna Height combinations (as in Table 2 for coverage category) and coverage distance (>30 and ≤ 60Kms) or ($15 < \text{Radius} \leq 30$ Kms).4. For a network having coverage distance >60 Kms (Radius >30Kms) and covering one or more district, District-wide Area category shall be applicable for each district covered. However State Wide Area category will be applicable if total Royalty for all districts under the network exceeds the State-wide Area Royalty.5. In general, the State-wide and All India Area category shall be applicable based on the network coverage and requirement of the applicant. If a network is spread over more than one state, state-wide Area category for each state will be applicable however, if total Royalty for all states under the


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	network exceeds the Royalty charges of All India Area category, All India category will be applicable.
Schedule-IV: Aeronautical Mobile Service in LF/MF/HF/VHF /UHF bands	<ol style="list-style-type: none"> 1. In Table 1, column 2 royalty charges for Tower and Approach shall also include Control. 2. Aeronautical Services with maximum channel Bandwidth upto 375 KHz shall be covered under Schedule IV. 3. Aeronautical Services with channel bandwidth >375 KHz shall be covered under Schedule V.
Schedule-VII : Satellite based Services	<ol style="list-style-type: none"> 1. Royalty charges for remote terminals i.r.o Data Collection platforms in the Earth Exploration Satellite Services and Meteorological Satellite Services will be calculated only once for each frequency carrier being used by the remote terminals. No Royalty shall be charged for remote terminals i.r.o Data Collection platforms of any other Services such as Submersibles used for ocean observational platforms, remote/ IoT¹ terminals used for providing location and other data in MSS (Mobile Satellite Services), etc. 2. Also, Licence Fee for remote terminals, including data collection platforms and Hub(s) [except for IoT devices] shall be charged as applicable. 3. The royalty charges for associated Hub(s) for remote terminals mentioned in para 1 above shall continue to be charged as per Table-1 in Schedule VII. 4. For the purpose of royalty charges and license fee calculations, "remote terminals" is to be used synonymously with "remote users" in the Schedule VII. 5. Royalty charges will be calculated on the total assigned transponder bandwidth except for calculating royalty for additional DSNG/SNG Vans for which para (ix) of Schedule VII is applicable. 6. Royalty charges for Earth Stations operating in the Space Operations Service (e.g., TT&C operations) will be charged at a fixed rate of Rs. 1,50,000/- per Earth Station per annum irrespective of the number of frequency spots and satellites being used. 7. There shall not be any license fee and royalty charges for IoT/ IoT devices in Aggregator/ Direct to Satellite mode. <p>[¹] IoT refers to the inter-connection of many devices and objects utilizing internet protocols that can occur with or without the active involvement of individuals using the devices. The IoT is the aggregation</p>


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of many M2M connections. M2M connections form part of the IoT, along with big data analytics, cloud computing, and sensors and actuators that in combination can run autonomous machines and intelligent systems.

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