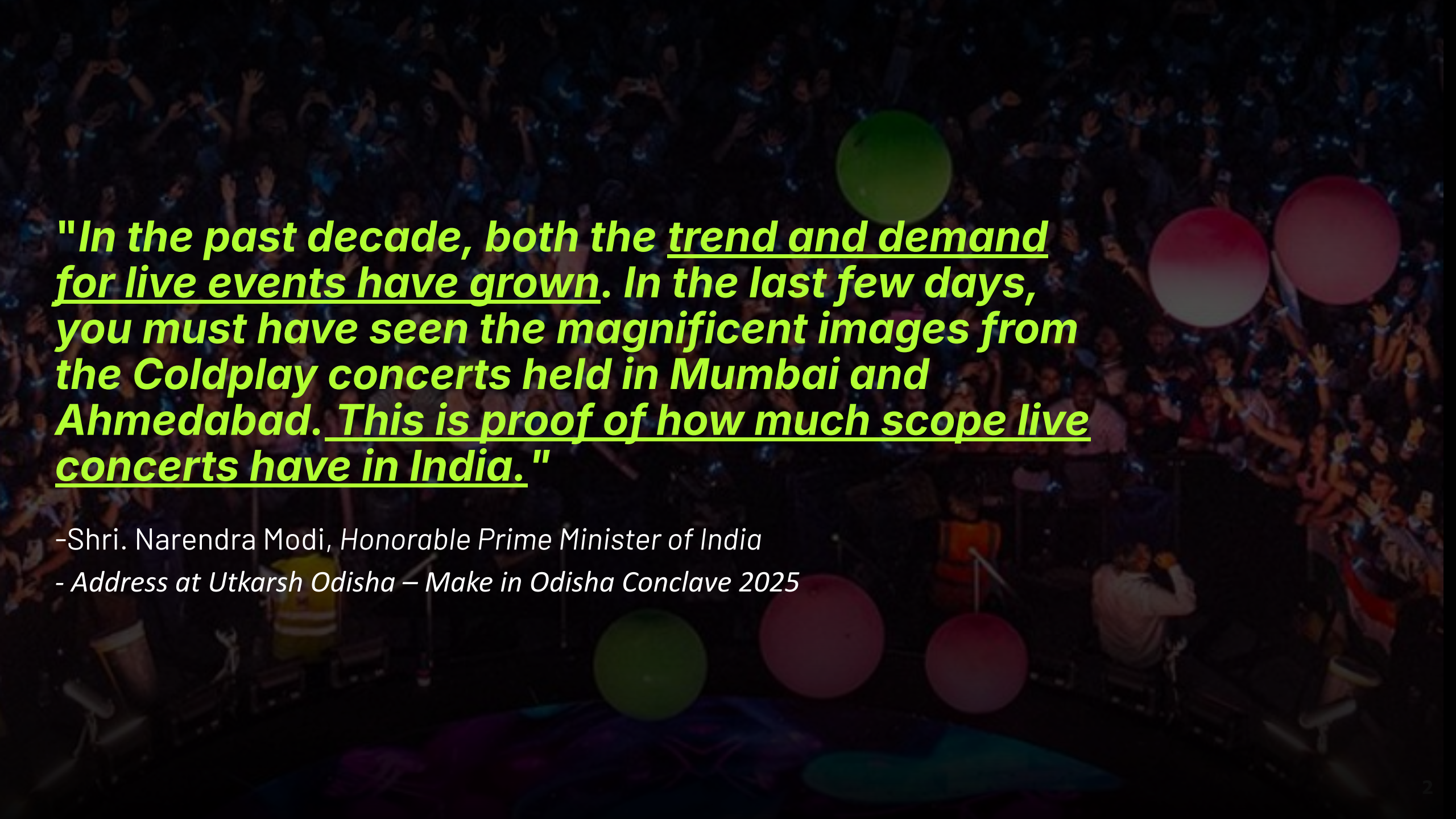


Towards a Simplified Regulatory Framework in India:

Empowering India's Live Events and
Wireless Mics Industry

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"In the past decade, both the trend and demand for live events have grown. In the last few days, you must have seen the magnificent images from the Coldplay concerts held in Mumbai and Ahmedabad. This is proof of how much scope live concerts have in India."

- Shri. Narendra Modi, Honorable Prime Minister of India
- Address at Utkarsh Odisha – Make in Odisha Conclave 2025

"Concert economy gives a boost to the tourism sector and creates jobs. I urge states and the private sector to focus on infrastructure and skills needed for the concert economy. Event management, artist grooming, security and other arrangements have a scope."¹

-Shri. Narendra Modi, *Honorable Prime Minister of India*



India's Media & Entertainment Sector saw significant growth reaching 2.5 trillion (US\$29.4 billion) in 2024², with live events contributing significantly, underscoring strong demand and expected to grow at a 19% CAGR over the next 3 years.



1. DD News (PM Modi pushes for live concerts after Coldplay's success, calls for investments in creative infrastructure)
2. Media and Entertainment Report, EY-FICCI, 2024.

Updating Indian National Frequency Allocation Plan (NFAP) 2025: Wireless Mics in the Mix

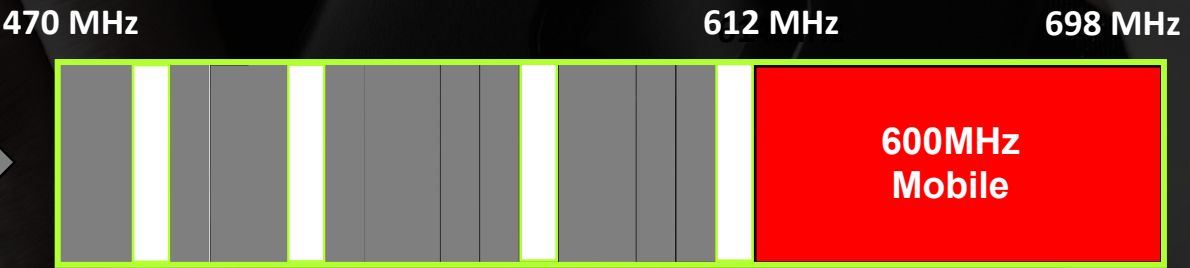
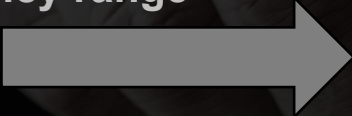
Addition of new footnote:

- **IND 23 (BIS):** Subject to not constraining the deployment of the services to which the bands 174 – 230 MHz and 470–612 MHz have been allocated, the use of very low power audio Programme Making and Special Events (PMSE) radio equipment and system (e.g., wireless microphones, in-ear monitoring,...etc) may also be permitted on case to case basis and non-interference and non-protection (NINP) basis.

Impact of 5G Expansion on TV-UHF Spectrum Availability for PMSE




Audio PMSE: 96 MHz
(12x8MHz channels)

TV transitions from
upper part to lower part
of frequency range



Audio PMSE: 32 MHz
(4x8MHz channels)

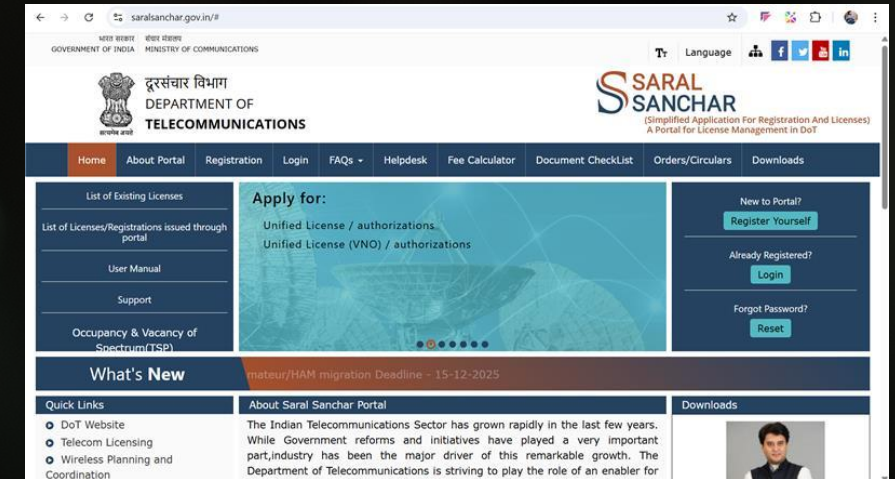


-  Useable channel by audio PMSE
-  Unusable channel: full power TV/Noise
-  Mobile broadband band:
Not permitted for microphone operation.

**Continue to utilize 600 MHz band for wireless mics,
until mobile deployment begins.
Ensure access to remaining spectrum.**

Simplifying Wireless Mics Regulations in India via Equipment Type Approval (ETA)

- Reduce regulation complexity due to India's vast size and diverse needs
- Avoid high administrative burden from managing licenses
- Simplifies setup and operation, reducing administrative overhead
- Enhances flexibility for various applications (live events, corporate functions, broadcasting)
- Economic and social benefits observed (e.g., growth, job creation, improved cultural activities)



Streamlining regulations to de-license wireless microphone applications in India will simplify operations, boost innovation, and enhance industry growth.

Key Take-Aways

- **Growing Demand:** Audio PMSE demand is increasing, while available spectrum is shrinking.
- **Ensure Spectrum Access:** Need to ensure continued access to TV-UHF band for PMSE to support the booming content creation and event sectors in India.
- **Utilize Available Bands:** Continue using the 600 MHz band for wireless microphones until mobile deployment begins.
- **Simplified Regulatory Framework Needed:** De-license wireless microphone applications via ETA to streamline operations and meet growing demands.



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Thank you

Regulatory Framework Example:

Wireless Microphones in the USA



- The FCC permits wireless microphone use on both a licensed and unlicensed basis across various spectrum bands, primarily in VHF and UHF TV bands, portions of the 600 MHz guard and duplex gaps, and other bands remain available for microphone use.
- **Unlicensed Use:** Established rules allow unlicensed wireless microphones in TV bands, subjected to restrictions like lower power levels (50mW).
- **Licensed Use:** Eligible users, including broadcasters and large professional venues routinely using 50+ devices, require licenses to operate on a secondary basis within TV bands (power up to 250mW).

ETA for Wireless Mics

The screenshot shows the Saral Sanchar Portal, a website for the Ministry of Communications, Government of India. A modal window titled "ETA(Self-Declaration)" is open in the center. The modal text states: "Applicable For Wireless Equipment which are operating in License exempt band(s) and exempted from Import licensing requirement as per Export and Import (EXIM) policy of DGFT". The modal has "Ok" and "Close" buttons. The background website features a header with the Government of India logo and the Ministry of Communications name in Hindi and English. The main content area includes sections for "List of Existing Licenses", "List of Licenses/Registrations issued through portal", "User Manual", "Support", "Occupancy & Vacancy of Spectrum(TSP)", "Unified License / Authorisations Issuance" (with sub-sections for Registration, Apply For License, Lol Issuance, Entry Fee, PBG & FBG Submission, and License Issue), "New to Portal?" (with Register Yourself button), "Already Registered?" (with Login button), and "Forgot Password?" (with Reset button). The footer contains "Quick Links" (DoT Website, Telecom Licensing, Wireless Planning and Coordination), "About Saral Sanchar Portal" (text about the Indian Telecommunications Sector), and "Downloads" (featuring a photo of a man).

भारत सरकार
GOVERNMENT OF INDIA

संचार मंत्रालय
MINISTRY OF COMMUNICATIONS

ETA(Self-Declaration)

"Applicable For Wireless Equipment which are operating in License exempt band(s) and exempted from Import licensing requirement as per Export and Import (EXIM) policy of DGFT"

Ok Close

Home About

List of Existing Licenses

List of Licenses/Registrations issued through portal

User Manual

Support

Occupancy & Vacancy of Spectrum(TSP)

Unified License / Authorisations Issuance

Registration - Register for Unified License

Apply For License - After Successful Login, Apply For Unified License

Lol Issuance - DoT will issue Lol after scrutiny of application

Entry Fee, PBG & FBG Submission - After receiving Lol, Applicant will submit Entry Fee, PBG & FBG (As applicable)

License Issue - After verification of PBG, FBG & entry fee , License / Authorisation will be issued

New to Portal?

Register Yourself

Already Registered?

Login

Forgot Password?

Reset

What's New

For any technical support of the portal functionalities, Please contact on 011-23350020 ,011-23350025 or please drop the ticket in the portal.

Quick Links

- DoT Website
- Telecom Licensing
- Wireless Planning and Coordination

About Saral Sanchar Portal

The Indian Telecommunications Sector has grown rapidly in the last few years. While Government reforms and initiatives have played a very important part, industry has been the major driver of this remarkable growth. The Department of Telecommunications is striving to play the role of an enabler for the growth of the telecommunications sector.

Downloads

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