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TRADE GUIDE

OFFICIAL PUBLICATION **SCAT 2023**
SCAT INDIA TRADESHOW MUMBAI

VOL XXXI / 3 / 2023

E-EDITION

SATELLITE & Cable TV



.....including Broadband & IPTV

TV AUDIENCE VIEWING PATTERNS

INDIAN M&E SECTOR FIRING UP



सत्यमेव जयते

MINISTRY OF INFORMATION AND BROADCASTING

BROADCAST & CABLE - EASE OF BUSINESS RECOMMENDATIONS

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31st Edition

SCAT2023

SCAT INDIA TRADESHOW - MUMBAI

8 - 10 October, 2023

Jio World Convention Centre, Mumbai

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CABLE TV . BROADBAND . IPTV . SATELLITE TV

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CATV Contents

7 EDITORIAL / संपादकीय

ARTICLES...

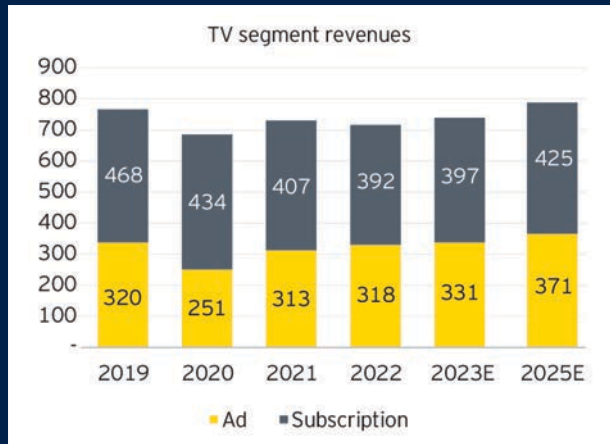
24 INDUSTRY SPEAKS

35 TRAI CHAIRMAN, PD VAGHELA ON TRAI'S ROLE IN FUTURE
भविष्य में ट्राई की भूमिका पर ट्राई के अध्यक्ष पीडी वाघेला

36 TV AUDIENCE VIEWING PATTERNS
दर्शकों के टीवी देखने का स्वरूप



FOCUS 16



INDIAN M&E SECTOR FIRING UP



DISH DOCTOR
डिश डॉक्टर



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BROADBAND / IPTV Contents

FOCUS



27 BROADCAST & CABLE - EASE OF BUSINESS RECOMMENDATIONS

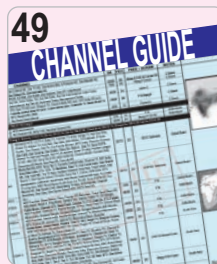
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आसानी पर सिफारिशें



BROADBAND & IPTV NEWS
Updates of Broadband & IPTV



CHANNEL CHANGES



CHANNEL GUIDE
Monthly Listing of Satellite
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ARTICLES...

42 APPLE - DISNEY MERGER COULD SPIN A NEW MEGA BRAND

एक नये मेगा ब्रॉन्ड की ओर मुड़ सकता है
एप्पल-डिज्नी विलय

31st Edition

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EDITOR'S SCATVIEW

Manoj Kumar Madhavan

FICCI-EY 2023 report showcased an explosive firing up of the Indian Media and Entertainment (M&E) sector, which grew 20% in 2022 to reach INR2.1 trillion (US\$26.2 billion), 10% above its pre-pandemic levels in 2019. The sector is expected to grow 11.5% in 2023 to reach INR 2.34 trillion and further grow at a CAGR of 10.5% to reach INR 2.86 trillion by 2025

The Indian M&E consumer base is large and hungry for content, ready to pay for quality and experiment with technology. India will have innumerable storytellers and engaging with audiences in myriad languages and leading the charge across the global entertainment landscape.

With over 50 platforms existing in India, the OTT market is likely to reach \$ 5 billion in size by 2023. While television advertising grew 2% to end 2022, subscription revenue continued to fall for the third year in a row, experiencing a 4% de-growth due to a reduction of five million pay TV homes and stagnant consumer-end ARPUs. While linear viewership declined 7% over 2021, 8 to 10 million smart TVs connected to the internet each day, up from around 5 million in 2021.

The fall in pay television homes has been attributed to both cord-cutting at the top end as well as movement to free television - FreeDish. While HITS remained relatively stable, DTH saw a decline of one million homes while cable lost four million homes.

It was very refreshing to see the TRAI Chairman – PD Vaghela display a rare candour when he admitted that less regulation is the best regulation, advocated a very flexible approach to fixing the issues in the industry. He accepted that Free Dish is creating a problem for DTH operators, MSO, and LCO community. TRAI, he claimed is willing to walk the last mile, have a level playing field for all, and ready to follow a roadmap as suggested by the industry to resolve the bottlenecks.

This is the right time for the LCO and MSO community to pursue the outstanding issues and try to find a resolution to all the problems. There will be challenges, but it is better to attempt to lay out a roadmap for the government and regulatory bodies and take the industry forward.

(Manoj Kumar Madhavan)

फिक्की ईवाई 2023 की रिपोर्ट ने भारतीय मीडिया और मनोरंजन क्षेत्र (एमएंडई) में एक विस्फोटक उछाल को दिखाया है जो 2022 में 20% बढ़कर 2.1 ट्रिलियन (US\$26.2 billion) रुपये तक पहुंच गया, जो 2019 में अपने पूर्व महामारी के स्तर से 10% अधिक था। इस क्षेत्र के 2023 में 11.5% बढ़कर 2.34 ट्रिलियन रुपये के स्तर तक पहुंचने और 10.5% के सीएजीआर से बढ़कर 2025 तक 2.86 ट्रिलियन रुपये तक पहुंचने की उम्मीद है।

भारतीय एम एंड ई उपभोक्ता आधार बड़ा है और सामग्री के लिए भूखा है, गुणवत्ता के लिए भुगतान करने और तकनीकी के साथ प्रयोग करने के लिए तैयार है। भारत में असंख्य कहानीकार होंगे और असंख्य भाषाओं में दर्शकों के साथ जुड़ेंगे और वैश्विक मनोरंजन परिदृश्य का नेतृत्व करेंगे।

भारत में मौजूदा 50 से अधिक प्लेटफॉर्मों के साथ 2023 तक ओटीटी बाजार के आकार के 5 बिलियन डॉलर तक पहुंचने की संभावना है। जबकि टेलीविजन विज्ञापन 2022 के अंत तक 2% बढ़ा, स्वसंक्रियण राजस्व में लगातार तीसरे वर्ष भी गिरावट जारी रही, जिसमें पांच मिलियन पे टीवी घरों की कमी और उपभोक्ता अंत एआरपीयू में कमी के कारण 4% की गिरावट देखने को मिला। 2021 में टेरस्ट्रियल दर्शकों की संख्या में 7% की गिरावट आयी, हालांकि 8 से 10 मिलियन स्मार्ट टीवी प्रत्येक दिन इंटरनेट से जुड़े, जो कि 2021 के 5 मिलियन से अधिक है।

पे-टेलीविजन घरों में गिरावट का श्रेय टॉप एंड पर कॉर्ड कटिंग के साथ-साथ फ्री टेलीविजन-फ्रीडिश दोनों को दिया जाता है। जबकि हिट्स अपेक्षाकृत स्थिर रहा है, डीटीएच ने लगभग 1 मिलियन घरों की गिरावट देखी, जबकि केवल ने 4 मिलियन घरों को खो दिया।

ट्राई के अध्यक्ष-पीडी वाघेला को एक दुर्लभ स्पष्टवादिता प्रदर्शित करते हुए देखना बहुत अच्छा लगा, जब उन्होंने स्वीकार किया कि कम विनियमन सबसे अच्छा विनियमन है, उन्होंने उद्योग में मुद्दों को ठीक करने के लिए एक बहुत ही लचीले दृष्टिकोण की वकालत की। उन्होंने स्वीकार किया कि फ्री डिश डीटीएच ऑपरेटर्स, एमएसओ और एलसीओ समुदाय के लिए समस्या पैदा कर रहा है। इन्होंने दावा किया कि ट्राई आखिरी मील तक चलने के लिए तैयार है, सभी के लिए समान अवसर हैं और वाधाओं को हल करने के लिए उद्योग द्वारा सुझाये गये रोडमैप का पालन करने के लिए तैयार है।

एलसीओ और एमएसओ समुदाय के लिए बकाया मुद्दों को आगे बढ़ाने और सभी समस्याओं का समाधान खोजने का प्रयास करने का यह सही समय है। चुनौतियां होंगी, लेकिन सरकार और नियामक निकायों के लिए एक रोड मैप तैयार करने और उद्योग को आगे ले जाने का प्रयास करना बेहतर है।

(Manoj Kumar Madhavan)

INDIAN M&E TO TOUCH US\$ 70 BN

I&B minister stated that the Indian M&E sector is estimated to reach the target of US \$70 billion by the year 2030

Speaking at the CII Dakshin South India Media & Entertainment Summit -2023 in Chennai, Thakur stated, "The media and entertainment sector in India is at an inflection point and as the industry's partner and facilitator, the Information & Broadcasting Ministry continues to undertake efforts to grow the sector to reach the target of US \$70 billion by the year 2030 from its current size of US \$30 billion as of today.

The Films Division of India, Directorate of Film Festivals, National Film Archive Of India, Children Film Society, India – under the umbrella of National Film Development Corporation of India (NFDC), will build better convergence and resource utilisation.

The government plans to invite filmmakers from across the world to come to India and collaborate with Indian filmmakers and work together for India to become the content hub of the world.

BALANCE BETWEEN THE CONSUMER AND SERVICE PROVIDER

The Govt is seeking to smoothen things out in all the sectors. This was evident when Anil Bhardwaj, Director General, TCSR & Advisor (Broadcasting), TRAI, spelt out the regulator's role is consumer welfare and striking a balance between the interests of the service provider and the consumer at the FICCI Frames 2023 convention.

Bhardwaj highlighted balance industry growth, consumer welfare, and other intersectional concerns such as privacy, security and quality of service

Rahul Vatts, Chief Regulatory Officer, Airtel felt that the biggest stakeholders are the customers or the consumers as they are the focal point of that end who should get the best deal.

Mihir Rale, Chief Regional Counsel, Disney Star India said that the aim is that the media and entertainment



70 अरब अमेरिकी डॉलर तक पहुंचेगा भारतीय एमएंडई

आईएंडबी मंत्री ने कहा है कि भारतीय एमएंडई क्षेत्र के वर्ष 2030 तक 70 बिलियन अमेरिकी डॉलर के लक्ष्य तक पहुंचने का अनुमान है।

चेन्नई में सीआईआई दक्षिण साउथ इंडिया मीडिया एंड एंटरटेनमेंट समिट 2023 में बोलते हुए श्री ठाकुर ने कहा कि 'भारत में मीडिया और मनोरंजन क्षेत्र एक मोड़ पर है और उद्योग के भागीदार और सुविधाकर्ता के रूप में सूचना और प्रसारण मंत्रालय लगातार प्रयास कर रहा है। आज के 30 बिलियन अमेरिकी डॉलर के मौजूदा आकार से वर्ष 2030 तक 70 बिलियन अमेरिकी डॉलर के लक्ष्य तक पहुंचने के लिए इस क्षेत्र का विकास करना होगा।

भारत का फिल्म प्रभाग, फिल्म समारोह निदेशालय, भारतीय राष्ट्रीय फिल्म संग्रह, वाल फिल्म सोसाइटी, भारत-भारतीय राष्ट्रीय फिल्म विकास निगम (एनएफडीसी) की छत्रछाया में बेहतर कन्वर्जंस और संसाधन उपयोग का निर्माण करेगा।

सरकार दुनियाभर में फिल्म निर्माताओं को भारत आने और भारतीय फिल्म निर्माताओं के साथ सहयोग करने और भारत को दुनिया कंटेंट हब बनाने के लिए मिलकर काम करने की योजना बना रही है।

उपभोक्ता और सेवा प्रदाता के बीच संतुलन

सरकार सभी क्षेत्रों में चीजों को सुचारू करने की कोशिश कर रही है। यह तब स्पष्ट हो गया। यह तब स्पष्ट हो गया जबकि टीसीएसआर के महानिदेशक अनिल भारद्वाज और ट्राई के सलाहकार (प्रसारण) ने फिक्की फ्रेम्स 2023 सम्मेलन में नियामक की भूमिका

उपभोक्ता कल्याण और सेवा प्रदाता और उपभोक्ता के हितों के बीच संतुलन बनाने की बात बतायी।

श्री भारद्वाज ने संतुलित उद्योग विकास, उपभोक्ता कल्याण और गोपनीयता, सुरक्षा और सेवा की गुणवत्ता जैसी अन्य अंतःविषय चिंताओं पर प्रकाश डाला।

एयरटेल के मुख्य नियामक अधिकारी राहुल वत्स ने महसूस किया कि सबसे बड़े हितधारक ग्राहक या उपभोक्ता हैं क्योंकि वे उस छोर के केंद्रबिंदु हैं जिन्हें सबसे अच्छा सौदा मिलना चाहिए।

डिज्नी स्टार इंडिया के मुख्य क्षेत्रीय सलाहकार मिहिर राले ने बताया कि इसका उद्देश्य यह है कि मीडिया और मनोरंजन पारिस्थितिकी





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ecosystem must contribute more to the GDP within constitutional frameworks.

11 MSOS LOOSE REGISTRATION

The Govt has cracked the whip on MSOs who have not complied with the framework laid down.

They cancelled the registration of 11 multi-system operators (MSOs) between April 12, 2023 and April 31, 2023. The total number of registered MSOs stands at 1,736 as of April 31, 2023 as compared to 1,747 on April 12, 2023.

The registration request for MSO Sasmita Network was rejected on April 20, 2023 due to suppression of vital information. Meanwhile, DEB TV's registration has been cancelled due to violation of Rule 10A of the Cable Television Networks Rules, 1994 and terms and conditions. Registration is cancelled on 26.04.2023. Bongaon Cable TV Network's registration has been cancelled due to violation of Rule 10A of the Cable Television Networks Rules, 1994 and terms and condition.



REVIEW OF C BAND

C Band frequency, which has been a cause of disagreement, has been up for review and government plans to reserve the C-Band of radio frequencies for 5G and 6G use. This comes after IBDF urged the government not to auction spectrum in the C-band (3,700-4,200 MHz) as it is also used for broadcasting services.

According to the federation, allocating this band for other services would disturb the broadcasting sector because of the possibility of interference of terrestrial transmissions with the satellite signals.

SHAMSHER SINGH TO LAUNCH NEWS CHANNEL

Popular TV journalist Shamsher Singh is set to launch a news channel with the backing of a corporate house.

Shamsher Singh was the Managing Editor of Zee Media's Hindi news channel 'Zee Hindustan'. His earlier stint was with Republic Bharat, India TV and India News.



SHAMSHER SINGH

त्रं को सवैधानिक ढांचे के भीतर जीडीपी में अधिक योगदान देना चाहिए।

11 एमएसओ के पंजीकरण रद्द

सरकार ने निर्धारित ढांचे का पालन नहीं करने वाले एमएसओ पर शिकंजा कसा है। उन्होंने 12 अप्रैल 2023 और 31 अप्रैल 2023 के बीच 11 मल्टी सिस्टम ऑपरेटरों (एमएसओ) का पंजीकरण रद्द कर दिया है। पंजीकृत एमएसओ की कुल संख्या 12 अप्रैल 2023 को 1747 की तुलना में 31 अप्रैल 2023 तक 1736 थी।



Ministry of Electronics and Information Technology
Government of India

एमएसओ ससिता नेटवर्क के पंजीकरण अनुरोध को 20 अप्रैल 2023 को महत्वपूर्ण सूचनाओं को छिपाने के कारण खारिज कर दिया गया था। इस बीच केवल टेलीविजन नियम 1994 के नियम 10ए और नियम व शर्तों के उल्लंघन के कारण डीईवी टीवी का पंजीकरण रद्द कर दिया गया है। पंजीकरण दिनांक 26.04.2023 को निरस्त किया गया। बनगांव केवल टेलीविजन नेटवर्क का पंजीकरण केवल टेलीविजन नियम 1994 के नियम 10ए और नियम व शर्तों के उल्लंघन के कारण रद्द कर दिया गया है।

सी बैंड की समीक्षा

सी बैंड फ्रीक्वेंसी, जो असहमति का कारण रही है, समीक्षा के लिए तैयार है और सरकार 5जी और 6जी उपयोग के लिए रेडियो फ्रीक्वेंसी के सी बैंड को आरक्षित करने की योजना बना रही है। यह आईबीडीएफ द्वारा सरकार से सीबैंड (3700-4200 मेगाहर्ट्ज) में स्पेक्ट्रम की नीलामी नहीं करने की आग्रह के बाद आया है, क्योंकि इसका उपयोग प्रसारण सेवाओं के लिए भी किया जाता है।

महासंघ के अनुसार इस बैंड को अन्य सेवाओं के लिए आवंटित करने से प्रसारण क्षेत्र परेशान होगा क्योंकि सैटेलाइट सिग्नलों के साथ टेरिस्ट्रियल प्रसारण के हस्तक्षेप की संभावना है।

न्यूज चैनल लॉन्च करेंगे शमशेर सिंह

लोकप्रिय टीवी पत्रकार शमशेर सिंह एक कॉर्पोरेट घराने के समर्थन से एक समाचार चैनल लॉन्च करने के लिए तैयार हैं।

शमशेर सिंह जी मीडिया के हिंदी न्यूज चैनल 'जी हिंदुस्तान' के मैनेजिंग एडिटर थे। इससे पहले वे रिपब्लिक भारत, इंडिया टीवी और इंडिया न्यूज के साथ भी काम कर चुके हैं।



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CLEVER



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NETFLIX ADDS MORE SUBSCRIBERS

Netflix had a good run and added 1.75 million paid subscribers in Q1. In the last quarter of 2022, the streaming platform had added 7.66 million.

The total count of global paid members stands at 232.5 million. Its revenue has seen 4% growth year on year in Q1 with operating income now being at \$1.7 billion.

The company has said that the slashing of prices has helped the engagement grow in India by up to 30% year on year.

Over time we have adapted our prices to meet local needs and to further deepen our penetration, including lowering prices in India by 20%-60% in December '21. These reductions – combined with an improved slate – helped grow engagement in India by nearly 30% year on year while F/X neutral revenue growth in 2022 accelerated to 24% (versus 19% in 2021).

HC ORDER ON OTT CONTENT

The Delhi High Court asked the government to inform it about the steps being taken for regulating content on social media and over-the-top (OTT) platforms.

The development follows an order by the Supreme Court on 6 March where it had directed the Union Ministry of Electronics and Information Technology (MeitY) to take steps to enforce its rules on content creation with regard to intermediaries such as social media and OTT platforms, as notified in the Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules 2021 and to enact laws as necessary.

On April 12, the government counsel asked for some time to file a reply. The matter has now been posted for hearing on April 25. The high court said framing rules and guidelines for content regulation on social media and OTT platforms need urgent attention. The court also underlined the need to take seriously the use of obscene language in the public domain which is open to children of tender age.



सब्सक्राइबर जोड़े नेटफ्लिस्क ने

नेटफ्लिस्क का प्रदर्शन अच्छा रहा है और उसने पहली तिमाही में 1.75 मिलियन सशुल्क सब्सक्राइबर जोड़े। 2022 की आखिरी तिमाही में स्ट्रीमिंग प्लेटफॉर्म ने 76.6 लाख सब्सक्राइबर्स जोड़े। वैश्विक पेड सब्सक्राइबर्स की कुल संख्या 232.5 मिलियन है। पहली तिमाही में इसके राजस्व में साल दर साल 4% की वृद्धि देखी गयी है और परिचालन आय अब 1.7 बिलियन डॉलर हो गयी है।

कंपनी ने कहा है कि कीमतों की कमी ने भारत में साल दर साल 30% तक वृद्धि में मदद की है। समय के साथ हमने अपनी कीमतों को स्थानीय जरूरतों को पूरा करने और अपनी पैठ को और गहरा करने के लिए अनुकूलित किया है जिसमें दिसंबर 21 में भारत में कीमतों में 20%-60% तक की कमी शामिल है। इन कटौती-एक बेहतर स्लेट के साथ मिलकर- भारत में साल दर साल लगभग 30% की वृद्धि में मदद मिली है, जबकि 2022 में एफ/एक्स तटस्थ राजस्व वृद्धि 24% (2021 में 19% की तुलना में) में तेजी आयी है।

ओटीटी कंटेंट पर हाईकोर्ट का आदेश

दिल्ली उच्च न्यायालय ने सरकार से सोशल मीडिया और ओवर-टॉप (ओटीटी) प्लेटफॉर्म पर सामग्री को विनियमित करने के लिए उठाये जा रहे कदमों के बारे में सूचित करने को कहा है। यह स्थिति-विकास 6 मार्च को सर्वोच्च न्यायालय के एक आदेश का पालन करता है जहां उसने केंद्रीय इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय (MeitY) को सोशल मीडिया और ओटीटी प्लेटफॉर्म जैसे विचौलियों के संबंध में सामग्री निर्माण पर अपने नियमों को लागू करने के लिए कदम उठाने का निर्देश दिया था। सूचना प्रौद्योगिकी (मध्यवर्ती दिशा-निर्देश और डिजिटल मीडिया आचार संहिता) नियम 2021 में अधिसूचित और आवश्यकतानुसार कानून बनाने के लिए।

12 अप्रैल के सरकारी वकील ने जवाब दाखिल करने के लिए कुछ समय मांगा। मामले की सुनवाई कुछ दिन पहले (25 अप्रैल) हुई। उच्च न्यायालय ने कहा कि सोशल मीडिया और ओटीटी प्लेटफॉर्मों पर सामग्री विनियमन के नियम और दिशानिर्देश तैयार करने पर तत्काल ध्यान देने की आवश्यकता है। अदालत ने सार्वजनिक क्षेत्र में अश्लील भाषा के उपयोग को गंभीरता से लेने की आवश्यकता पर भी जोर दिया, जो कि कम उम्र के बच्चों के लिए खुल है।





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NETFLIX INDIA EXECUTIVE SHAGUN SEDA JOINS VIACOM 18

Viacom 18 is hiring high profile talent from various companies. In a recent development Shagun Seda, former Marketing Director (Films & Series), Netflix India, has joined Viacom 18 Media as Senior Vice President & Creative Head, Marketing.

She will be heading the Marketing initiative at Jio Cinemas.

Seda quit Netflix India in December 2022 after a two-year stint. She had joined the streaming giant in November 2020 and was in charge of the overall marketing of Netflix's India content, brand and talent.

Prior to joining Netflix, Seda was with DDB Mudra Group for over seven years, helming its creative department for the western region in her last role there.

She has also held creative leadership roles at TBWA/India and MullenLowe Lintas Group in the past.

ZEE RENEWS PARTNERSHIP WITH META AND YOUTUBE

Zee Music Company has done the renewal of its licensing agreement with YouTube, and Meta (formerly known as Facebook). The deal will allow both platforms to continue offering high-quality music content from Zee Music Company's rich catalogue of 11,000+ songs.

YouTube remains one of the largest digital content platforms in the world, and the ongoing collaboration between the two companies is set to elevate the music experience for its users.

Anurag Bedi, Chief Business Officer – Company said, "We are thrilled to continue our partnership with YouTube and Meta. Both platforms have proven to be invaluable partners for us, helping us reach new audiences and connect with fans in new and innovative ways. We look forward to working together to continue delivering high-quality music content to our shared users. We aspire to continue pushing the boundaries, leveraging new revenue streams and collaborations in the ever-evolving digital music ecosystem."



SHAGUN SEDA

नेटफ्लिस्क इंडिया के कार्यकारी शगुन सेडा वायकॉम 18 में शामिल हुए

वायकॉम 18 विभिन्न कंपनियों से हाई प्रोफाइल प्रतिभाओं को काम पर रख रहा है। हाल ही में नेटफ्लिस्क इंडिया के पूर्व मार्केटिंग डायरेक्टर (फिल्म एंड सीरिज) शगुन सेडा, वायकॉम 18 मीडिया में सीनियर वायस प्रेसिडेंट और क्रिएटिव हेड, मार्केटिंग के रूप में शामिल हुए हैं।

वे जियो सिनेमा की मार्केटिंग पहल का नेतृत्व करेंगी।

सेडा ने दो साल के कार्यकाल के बाद दिसंबर 2022 में नेटफ्लिस्क इंडिया छोड़ दिया। वह नवंबर 2020 में स्ट्रीमिंग दिग्गज के साथ शामिल हुई थीं और नेटफ्लिस्क की भारतीय सामग्री, ब्रांड और प्रतिभा के समग्र मार्केटिंग की प्रभारी थी।

नेटफ्लिस्क में शामिल होने से पहले सेडा सात साल से अधिक समय तक डीडीवी मुद्रा समूह के साथ थीं, वहां अपनी अंतिम भूमिका में पश्चिम क्षेत्र के लिए इसके रचनात्मक विभाग का संचालन किया।

इससे पहले उन्होंने टीवीडब्ल्यू/इंडिया और मूलेनलो लिंट्यास ग्रुप में रचनात्मक नेतृत्व की भूमिकाएँ भी निभाई हैं।

जी ने मेटा और यूट्यूब के साथ साझेदारी का नवीकरण किया

जी म्यूजिक कंपनी ने यूट्यूब और मेटा (जिसे पहले फेसबुक के नाम से जाना जाता था) के साथ अपने लाइसेंसिंग समझौते का नवीनीकरण किया है। यह सौदा दोनों प्लेटफॉर्मों को म्यूजिक कंपनी के 11000 से अधिक गानों के समृद्ध कैटलॉग से उच्च गुणवत्ता वाली संगीत सामग्री को पेशकश जारी रखने की अनुमति देगा। यूट्यूब दुनिया के सबसे बड़े

डिजिटल सामग्री प्लेटफॉर्मों में से एक बना हुआ है, और दोनों कंपनियों के बीच जारी सहयोग अपने उपयोगकर्ताओं के लिए संगीत के अनुभव को बढ़ाने के लिए तैयार है।

जी म्यूजिक कंपनी के मुख्य व्यवसाय अधिकारी अनुराग वेदी ने कहा कि 'हम यूट्यूब और मेटा के साथ अपनी साझेदारी को जारी रखने के लिए रोमांचित हैं। दोनों प्लेटफॉर्म हमारे लिए अमूल्य भागीदार साबित हुए हैं, जो हमें नये दर्शकों तक पहुंचने और और नये व अनोखे तरीकों से प्रशंसकों से जुड़ने में मदद करते हैं। हम अपने साझा किये गये उपयोगकर्ताओं को उच्च गुणवत्ता वाली संगीत सामग्री प्रदान करना जारी रखने के लिए मिलकर काम करने की आशा करते हैं। हम हमेशा विकसित होने वाले डिजिटल संगीत पारिस्थितिकीतंत्र में नयी राजस्व धाराओं और सहयोग का लाभ उठाते हुए सीमाओं को आगे बढ़ाने की आकांक्षा रखते हैं।



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INDIAN M&E SECTOR FIRING UP

Indian M&E Sector looks set to grow exponentially in the next five years.

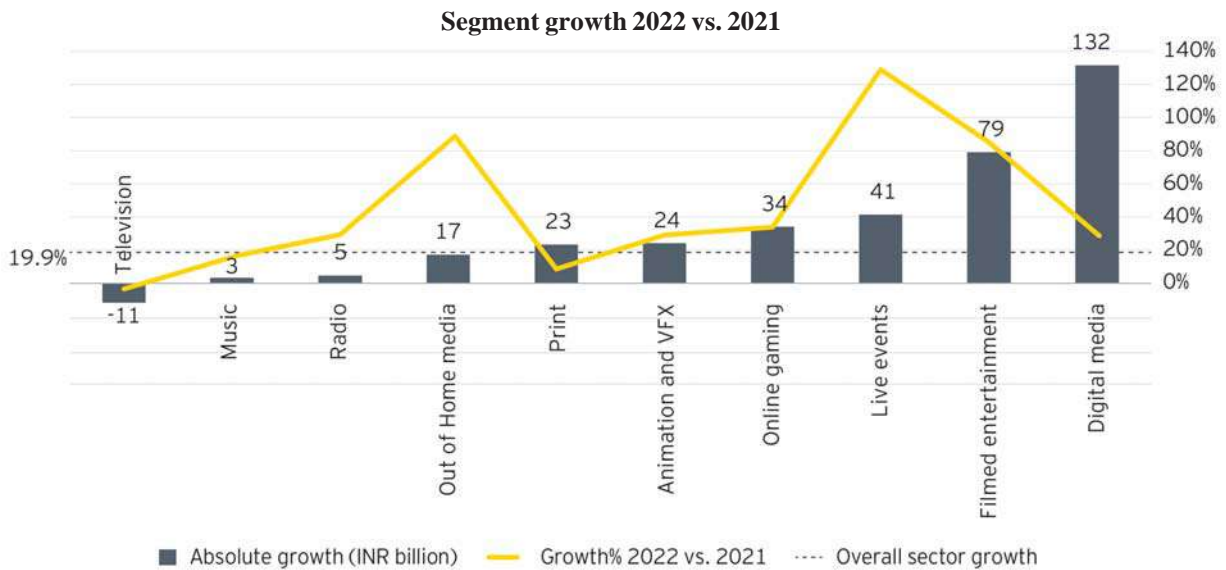
INDIAN M&E SECTOR GREW 20% IN 2022 TO REACH INR 2.1 TRILLION

	2019	2020	2021	2022	2023E	2025E	CAGR 2022-2025
Television	787	685	720	709	727	796	3.9%
Digital media	308	326	439	571	671	862	14.7%
Print	296	190	227	250	262	279	3.7%
Filmed entertainment	191	72	93	172	194	228	9.8%
Online gaming	65	79	101	135	167	231	19.5%
Animation and VFX	95	53	83	107	133	190	21.1%
Live events	83	27	32	73	95	134	22.2%
Out of Home media	39	16	20	37	41	53	12.8%
Music	15	15	19	22	25	33	14.7%
Radio	31	14	16	21	22	26	7.5%
Total	1,910	1,476	1,750	2,098	2,339	2,832	10.5%
Growth		-23.2%	19.3%	19.9%	11.5%		

All figures are gross of taxes (INR in billion) for calendar years | EY estimates

- ❖ The Indian M&E sector continued its strong growth trajectory. It grew by INR348 billion (19.9%) to reach INR2.1 trillion (US\$26.2 billion), 10% above its pre-pandemic 2019 levels
- ❖ While television remained the largest segment, digital media cemented its position as a strong number two segment, followed by a resurgent print
- ❖ The filmed entertainment segment recovered as theatrical releases doubled, and reclaimed the fourth position overtaking online gaming
- ❖ The share of traditional media (television, print, filmed entertainment, OOH, music, radio) stood at 58% of M&E sector revenues in 2022, down from 71% in 2019
- ❖ We expect the M&E sector to grow 11.5% in 2023 to reach INR2.34 trillion (US\$29.2 billion), then grow at a CAGR of 10% to reach INR2.83 trillion (US\$35.4 billion) by 2025

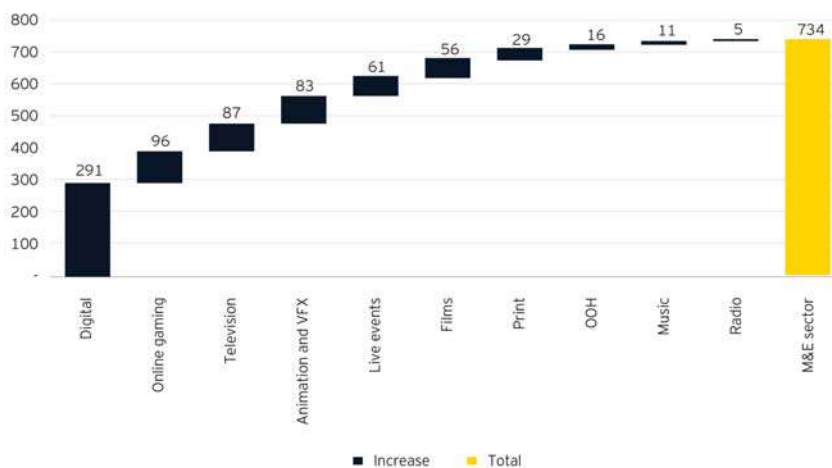
ANALYZING THE INR348 BILLION GROWTH



INR in billion (gross of taxes) | EY estimates

- ❖ Except for TV subscription, all M&E segments grew in 2022
- ❖ Digital media grew the most at INR132 billion and consequently, increased its contribution to the M&E sector from 16% in 2019 to 27% in 2022. If one were to include data charges associated with digital consumption in sizing, its share would stand at 50% of the total M&E sector
- ❖ Experiential (outside the home) segments recovered in 2022, and consequently, filmed entertainment and live events segments recovered by INR79 and INR41 billion, respectively
- ❖ Overall, half the growth was driven by traditional media, and the balance by digital, online gaming and VFX segments

THE M&E SECTOR WILL GROW INR734 BILLION TO REACH INR2.83 TRILLION IN 2025

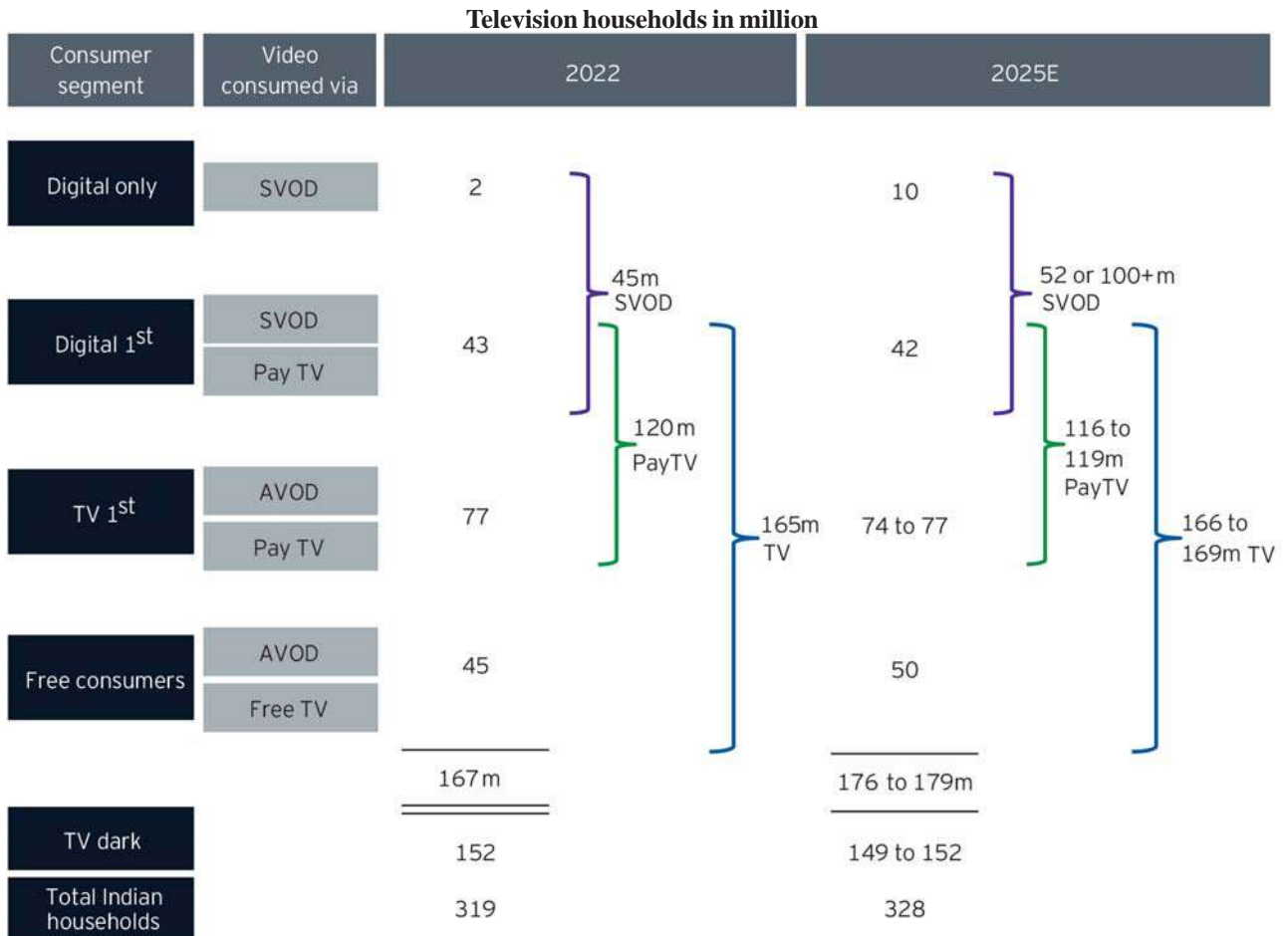


All figures are gross of taxes (INR in billion) | EY estimates

- ❖ The Indian M&E sector will grow at a CAGR of 10.5% and add INR734 billion in three years
- ❖ The key contributors to this growth will be digital, online gaming and television (together contributing to 65% of the growth), followed by animation and VFX (11%), live events (8%) and films (8%)

VIDEO TRENDS

I. THE FUTURE OF TELEVISION



Millions of Indian households | EY estimates | SVOD includes AVOD

- ❖ **Digital only:** consume content only on digital platforms, rarely access television
- ❖ **Digital 1st:** consume pay TV and at least one paid OTT service
- ❖ **TV 1st:** consume pay TV and generally only bundled/free OTT content
- ❖ **Free consumers:** do not pay for content, either on TV or OTT
- ❖ **TV dark:** do not have access to large screen television but may have access to a smart or feature phone and consequently some households may access YouTube and AVOD platforms before TV

Bi-directional television households will reach 52 million (or cross 100 million)

- ❖ From 45 million households paying for one or more SVOD services, the number will grow to 52 million by 2025, if current pricing is maintained
- ❖ The slowdown in growth will be on account of affordability of OTT services
- ❖ However, if pricing is reduced to INR1 per day or thereabouts for a popular streaming service or a strong bundle of popular content is created for upto INR1,200 per year, the reach could cross 100 million households within three years as an add-on to linear television

Linear television households will remain stable

- ❖ The linear television universe will remain comparatively stable at 166 to 169 million
- ❖ The pay TV universe will continue to shrink, albeit at a slower pace, to 116 to 119 million active households by 2025, as the net impact of new pay subscribers is expected to be lesser than the conversion of households from linear TV to bi-directional (broadband) TV
- ❖ In our estimate, 10 million new Indian households will be created by 2025, and a similar number will take to television
- ❖ Television dark households will remain relatively flat unless something is undertaken along the following lines:
 - ◆ Creation of lower priced FTA packs
 - ◆ Differential pricing and bundling for rural markets, in agreement with TRAI
 - ◆ Reactivation of the millions of inactive set-top boxes through incentive schemes
 - ◆ Creating relevant content bundles for underpenetrated markets

Free television consumer base will grow

- ❖ The mobile phone is usually purchased prior to a TV at a household level, thereby reducing the pressure to buy a TV set
- ❖ However, we expect the free consumer base to grow as progress continues to spread among the television dark homes
- ❖ Initiatives which can increase the uptake of free television (i.e., convert television dark households) include:
 - ◆ Provide television hardware for free to below-poverty-line households
 - ◆ Incentives and tax concessions to reduce the hardware cost for the household
 - ◆ DTT enablement in top 40 cities to enable linear TV viewing on mobile

II. CONNECTED TV SETS WILL EXCEED 40 MILLION

- ❖ Smart connected TVs will exceed 40 million (daily active users) by 2025, thereby ending the monopoly of broadcasters on the large screen and leading to around 30% of content consumed on large screens to be social, gaming, digital, etc.

- ❖ The unified interface – whether on app, device or platform – will become the new landing page and earn placement and marketing revenues
- ❖ OTT aggregation will be a key driver of growth on CTV

III. THE 2 X 4 LCO MODEL WILL BE THE DE FACTO REACH DRIVER

- ❖ LCOs will rejuvenate their last-mile distribution businesses with digital offerings, and will drive connectivity for India, supported by larger telcos and ISPs
- ❖ The LCO will evolve to provide two wires into each home – a linear TV connection for live television and a broadband connection
- ❖ Last-mile digital services will include aggregation of content (across TV & OTT), data, smart home capabilities and community social interaction and news

IV. FIRST-TIME USER GROWTH IN MOBILE VIDEO REACH WILL SLOW DOWN

- ❖ As the price of entry-level smartphone handsets has increased significantly since the onset of the pandemic due to supply chain issues and a depreciating Indian Rupee, the number of feature phone users who are converting to smartphones has been slower
- ❖ Of the installed base of mobile phones, new smartphone users coming from feature phones was 6.1% in 2019, which fell to 5.7% in 2020, 5.6% in 2021, and 5.4% in 2022, according to Counterpoint Research
- ❖ The smartphone cost factors are not expected to ease significantly over the next two years
- ❖ Accordingly, first time user growth in digital video reach will remain muted as compared to previous years as per industry discussions, at between 10 and 20 million, unless low cost phones are launched

V. NEW CONTENT WINDOWS AND SEGMENTS WILL EMERGE

- ❖ Monetization will be at the mercy of consumers' willingness to pay, and unlike international markets, Indian markets are more heterogenous and need to be finely segmented
- ❖ Accordingly, premium SVOD, theatrical, SVOD, bundled SVOD, satellite, TVOD and finally free television windows could come into existence for different types of content

TELEVISION

Television segment fell 1.5% in 2022

	2019	2020	2021	2022
Advertising	320	251	313	318
Distribution	468	434	407	392
Total	787	685	720	709

INR billion (gross of taxes) | EY analysis

Advertising

- ❖ Television advertising grew 2% in 2022, almost equalling its pre-COVID-19 levels
- ❖ Ad growth was driven by volume, which grew at 2% while rates remained constant on average

Subscription

- ❖ Subscription revenue continued to fall for the third year in a row
- ❖ It experienced a de-growth of 3.8% compared to 2021 mainly due to a reduction of five million pay TV homes, with ARPU remaining relatively flat

Viewership and reach

- ❖ There were 120 million active pay TV homes and 45 million free TV homes
- ❖ Time spent on linear television fell 7% in 2022 due to a fall in both Hindi and regional language viewership
- ❖ Smart TV sets, however, increased to 25 million though only 8 to 10 million connected to the internet daily

Future outlook

- ❖ Total television screens (linear and bi-directional) are expected to reach 206 million by 2025 from 180 million today
- ❖ However, the mix would be different
 - ◆ We estimate that growth of overall television households shall be driven by connected TVs which could cross 40 million by 2025 and free television which could cross 50 million
 - ◆ Pay TV households are expected to decline by two million in 2023, before falling slowly to 116 million households by 2025
- ❖ Subject to implementation of ad caps and regulatory restrictions on pricing, we expect pricing growth will be around half of inflation for subscription and inflationary for advertising, and hence television revenues will overall continue to grow to INR796 billion by 2025

REACH

Number of television channels reduced marginally to 885

	September 2020	September 2021	September 2022
FTA	584	558	532
Pay	327	348	353
Total channels	911	906	885

MIB website; TRAI Performance Indicators Report

- ❖ 60% of channels were free-to-air as compared to 64% in 2020, reflecting the impact of the NTO, where many broadcasters converted FTA channels into pay
- ❖ News channels comprised 44% of total channels

Number of television channels reduced marginally to 885

	December 2020	December 2021	December 2022
MSO	1,702	1,747	1,747
DTH	5	5	5
HITS	1	1	1

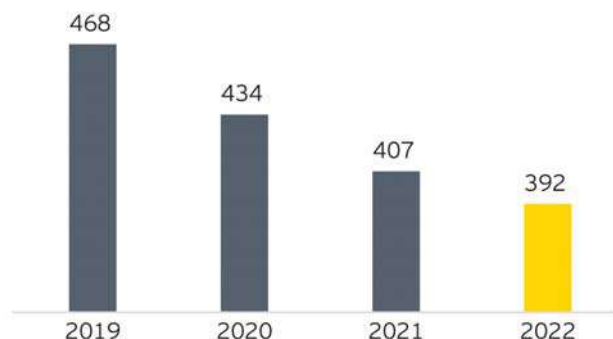
MIB website

- ❖ MSO registrations remained constant in 2022 at 1,747
- ❖ The Indian market is serviced by four paid DTH providers and one free DTH provider as of December 2022
- ❖ DTH platforms include Dish TV, Tata Play, Airtel DTH, Sun Direct and DD FreeDish
- ❖ NXT Digital continues to operate the lone headend in the sky (HITS) service in India

DISTRIBUTION

Distribution income continued to fall in 2022

Subscription revenues



INR billion (gross of taxes) | EY estimates

- ❖ Television subscription revenues in India decreased 4% in 2022 due to a reduction in the paid subscriber base by around five million television homes, while ARPU remained stable as channel pricing was not increased during the year
- ❖ The fall in pay television homes has been attributed to both cord-cutting at the top end as well as movement to free television (DD FreeDish) at the bottom end of the customer pyramid

FreeDish continued its growth trajectory

- ❖ Free television, on the other hand, continued to grow its base to reach an estimated 45 million subscribers on the back of less-expensive television sets, economic issues, and addition of new channels to the platform

Connected TV sets reached 25 million

- ❖ At the other end of the cost spectrum, connected smart television sets continued their explosive growth
- ❖ While certain months of 2022 witnessed 25 million unique sets connecting to the internet, many were infrequent and transient, connecting less than two to three times a month, while around 8 to 10 million connected daily
- ❖ Several platforms and manufacturers have started providing advertising services on their smart TV platforms to the extremely desirable “top of pyramid” audience
- ❖ Connected smart TV sets are expected to reach 40 million by 2025, given the imminent large-scale roll out of 5G services in India and continued growth of wired broadband

End-customer prices were flat

- ❖ End-customer prices remained stable at an average of INR223 per month (net of taxes), given that regulations prohibited pricing changes for a large part of the year

Active paid subscriptions continued to reduce in 2022

	2020	2021	2022
Cable*	72	68	64
DTH*	56	55	54
HITS*	2	2	2
Free TV**	40	43	45
Total	171	168	165

Television subscriptions in millions | Industry discussions, billing reports, TRAI data, EY estimates

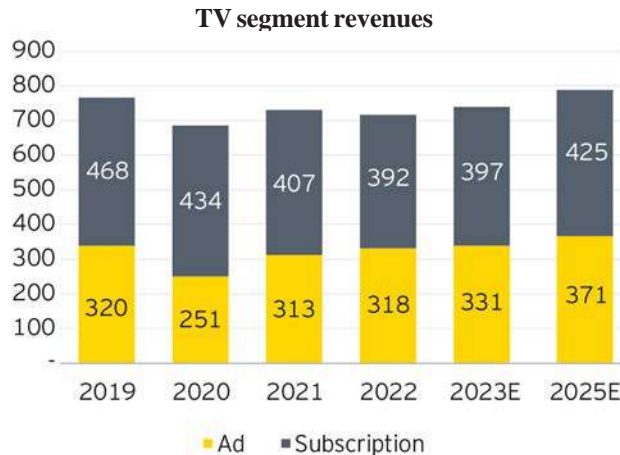
*Net of inactive/ temporarily suspended subscribers

** Free TV is derived as a balancing figure after reducing paid and pirated TV homes from total TV universe less temporarily deactivated homes

- ❖ While HITS remained relatively stable, DTH saw a decline of one million homes while cable lost four million homes
- ❖ The fall in paid subscriptions is attributed to:
 - ◆ subscribers who are churning out and moving to free TV and/or digital streaming, including social media, short video, and gaming platforms
 - ◆ some number of subscribers moving consumption to connected TVs
- ❖ Broadcasters whom we interviewed claimed to have earned revenues for between 107 to 115 million paid subscriptions in 2022, as compared to 110 to 130 million reported in 2021, indicating a potential base of pirated connections between five and ten million homes

FUTURE OUTLOOK

We expect television revenues to grow to INR796 billion by 2025



INR billion (gross of taxes) | EY estimates

- ❖ We expect television advertising to grow at a CAGR of 5.3% to reach INR371 billion by 2025, driven by:
 - ◆ End of the Russia-Ukraine crisis, resulting in a stable global economy that would restore supply chains, reduce costs and, in turn, increase consumption
 - ◆ Strong performance of regional channels and sports on Free TV
 - ◆ Growth of India's per capita income from approx. US\$2,500 today to US\$3,000 by 2025
 - ◆ State elections in 2023 and national elections in 2024
 - ◆ However, risk factors do exist, such as:
 - ◆ Rise of a new sector to replace ad income lost from sectors such as gaming, crypto and betting
 - ◆ Free IPL on digital and its impact on TV's share of ad revenues from the property
- ❖ Subscription income will see a 2.7% CAGR growth to reach INR425 billion by 2025, on account of several conflicting factors:
 - ◆ Television households will grow due to:
 - ◆ Growth in population will increase Indian households by nine million till 2025
 - ◆ Low entry barrier to consume free television
 - ◆ Continued electrification of rural areas
 - ◆ Distribution of free STBs (as envisaged by Prasar Bharati) and subsidized STBs by private players
 - ◆ Relative pricing of television to broadband remains — currently — much in favor of television
 - ◆ Availability of television sets for as low as INR 6,000
- ❖ But active television homes will face downward pressures as well:
 - ◆ Continued movement of the pay TV base to OTT platforms as broadband and 5G penetration increase
 - ◆ Increased time spent on alternate platforms like YouTube, social media, and gaming platforms, which are vying for a share of free time
 - ◆ Inability to completely pass on inflationary pricing growth to end consumers in a falling market
- ❖ In view of the above, total television segment revenues are expected to grow at a CAGR of 4% to reach INR796 billion by 2025

TV will reach 200 million homes by 2025

	2020	2021	2022	2025E
Pay TV (cable + DTH + HITS)	131	125	120	116
Free TV	40	43	45	50
Unidirectional TV	171	168	165	166
Connected TV (bi-directional)	5	10	15	40
Total TV subscriptions	176	178	180	206

EY estimates | millions of subscriptions

- ❖ Overall TV connections will keep growing at a healthy pace to reach 206 million by 2025
- ❖ The market is clearly segmenting into pay TV, free TV, and connected TV, each being sizeable in itself
- ❖ Content studios, broadcasters and distributors will need to address the needs of each of these segments separately, to effectively monetize their products and services
- ❖ There is a need to create custom products for connected television consumers who need more than just linear feeds
- ❖ Windowing and other strategies can help monetize the free television audience as well, which is growing due to increased channel count and entry into regional language markets
- ❖ Syndication of content to create newer windows and across non-television products will also be key in an era of increasing content costs

Free IPL streaming can impact TV revenues

- ❖ With the announcement of IPL being provided free on digital streaming, we expect this viewership to increase significantly, and this could make it difficult to grow ad revenues on TV as viewership will split across platforms
- ❖ For context, while 44% Indian sports fans watch live sports only on TV, a sizeable 36% are using both traditional and digital media to watch live sports, while the remaining 20% are watching exclusively on Digital

The proposed ad cap rule could significantly impact revenues

- ❖ The Telecom Regulatory Authority of India (TRAI) has approached the Delhi High Court against seeking stricter implementation of the 12-minute ad cap rule, to bring about a level playing field and the matter is currently sub judice
- ❖ Implementation of the ad cap will significantly affect ad volumes, especially for news channels and some entertainment channels for their key impact properties, that have been historically airing ads for more than the earlier prescribed limit of 12 minutes per hour
- ❖ To compensate for the drop in revenue due to limited ad volume, ad rates would need to increase significantly, which we believe will be extremely difficult and lead to a 10% to 15% drop in ad revenues

Film and niche genres may continue to struggle on pay TV networks

- ❖ Viewership of film channels will continue to decline as audiences move away from TV to OTT for convenience of viewership

The road to growth will require innovation and incentives

- ❖ Multi-window innovation, i.e., formats, packaging, and pricing across TV consumer segments
- ❖ Broadcasters will need to create smart bundles — at differential price points — for different audiences, subject to regulatory permissions
- ❖ Public-private partnership to incentivize TV dark homes to buy televisions through:
 - ◆ Free distribution of sets under government programs
 - ◆ Subsidized distribution of television sets and STBs
 - ◆ Creating a low-cost India TV + receiver product
- ❖ Industry action to enable activation of the current base of several million deactivated boxes
- ❖ Increased adoption of HD channels to enable differentiation
- ❖ Custom two-pronged strategy, apart from linear channel distribution on CTV platforms:
 - ◆ Custom content packages for premium consumers, e.g., a 10-to-15-minute morning and/or evening news capsule based on subjects that interest a viewer
 - ◆ Time shifted viewing of linear content

Source: EY-FICCI Report ME Report

INDUSTRY SPEAKS

Hear the industry stakeholders on the future of M&E segment.



PUNIT GOENKA
Zee Entertainment Enterprises

Indian M&E is at a tipping point with spurring investments in content and technology, leading to consolidation across segments to achieve scale. This coupled with the consumers' increasing propensity to pay, will result in enhanced entertainment formats and mediums that will redefine the way content is consumed and delivered. Enabling an agile and diversified business model will ensure companies match the pace of change across the industry and capture the resultant opportunities to drive robust growth.



NP SINGH
Sony Pictures Networks India

The Indian M&E industry is at a critical juncture, where compelling content and captivating storytelling are paramount. While debate on the future of linear TV is ongoing, investing in digital platforms to leverage emerging technologies such as 5G and AI is essential. In doing so, the M&E industry can unlock its potential and revolutionize the entertainment experience.



ANIL DUA
DishTV India

While television will continue its dominance in certain genres, relevancy of content will determine the pull for few other categories of programming. As viewing habits evolve and ease of viewing takes centre stage, OTT aggregation, hybrid boxes, broadband combos and OTT-TV bundles will define the future of entertainment.



VYNSLEY FERNANDES
NXTDIGITAL Limited

Emergence of new technologies has not just fuelled the democratisation of content delivery platforms but is also driving its "commoditisation". Distribution companies need to ensure rapid adoption and adaptation of these delivery mechanisms to stay ahead of the curve and compete effectively for consumer eyeballs.

EXPERT SPEAK



GAURAV DWIVEDI
Prasar Bharati

Adapt, innovate, keep track of consumer behaviour and prioritize diversity and social responsibility - the way forward for the M&E industry to stay relevant and have a positive impact on society.



NAKUL CHOPRA
BARC

TV remains the definitive entertainment screen in an Indian home. The mass audience TV provides & the cost efficacy of the medium is unmatched by any other medium. In addition the broadcast industry together with the broadcast ecosystem can take credit for 'independent 3rd party' audience measurement via the largest measurement panel in the world. Other mediums will grow – but TV will retain its dominant position for quite some time.



AVINASH KAUL
Nework18

Future of News was is and will continue to be bright. News is genre, device and platform agnostic. Data mining the news consuming cohorts to understand the news playlist of consumers, and fine-tuning digital delivery customised to the user, is where the gold pot at the end of the rainbow is.



MAHESH SHETTY
Viacom 18 Media

The last couple of years witnessed new categories like ed-tech, crypto, gaming etc giving a big boost to Adex. The next couple of years will be dominated by the traditional categories like FMCG, E-commerce, Auto and durables. Easing input costs and semi conductor chips supply chain will provide the much needed impetus to these categories to aggressively invest in advertising to drive sales growth.

EXPERT SPEAK



HARIT NAGPAL
Tata Play

Both the content and distribution sectors of broadcast segment have hyper competition due to presence of multiple players. Hence the sector can be left on its own without micromanagement for the most efficient to survive and serve the customers in the long run.



GURJEEV SINGH KAPOOR
Disney Star

TV has an unparalleled reach of 900 million viewers and is the largest media platform in India. With less than 70% of homes in the country having a TV, the market remains under-penetrated, offering significant potential for growth in the years ahead.



AMIT ARORA
Indiacast

Indian viewers are extremely discerning and demand choice to watch content based upon their convenience. The key to successful distribution today is to make the content accessible across all platforms and devices, at the right price point.



ANUJ GANDHI
Plug & Play Entertainment

We are transitioning from broadcasters fighting for TRPs to content creators (across genres, formats, long and short form, established and UGC) fighting for consumers' screen time, the size of screen being immaterial now!



BARUN DAS
TV9

The news media landscape in India is observing a tumultuous change, but the good part is that the genre is acknowledging some out-of-box ideas. The news consumer expects and deserves the best as India gears up for the mega news event - the general elections - a few months from now. The viewer will stick to the platform that serves him or her the best.



SHASHWAT SHARMA
Airtel

The size and diversity of Indian consumers, and the emergence of a wide range of access technologies from Satellite, Fiber and 5G, has made the media and entertainment landscape extremely dynamic and filled with innovation today. The industry will transform dramatically over the next 5 years.

Source: EY-FICCI Report ME Report

BROADCAST & CABLE - EASE OF BUSINESS RECOMMENDATIONS

The Govt has been pushing for the ease of doing business for the broadcast and cable industry stakeholders. This paper focusses on the recommendations provided by the regulatory bodies and the stakeholders.

SUMMARY OF RECOMMENDATIONS

A. Single Window System

A1. Characteristics of Single Window System

The Authority recommends that all the concerned Ministries/ Departments should adopt a user-friendly, transparent and responsive digital single window system. The portal should provide easy to navigate mechanism for access to all statutory/ policy guidelines, amendments, orders, office memorandums related to a license/ registration/ permission/ clearance. The portal should be enabled with new digital technologies for achieving end-to-end inter-departmental online process. In addition, the portal should incorporate the following features:

- a. All the processes to be duly incorporated in the portal for consideration and grant of:
 - i. Initial license/ registration/ permission/ clearance;
 - ii. Test report (Approval/ Rejection/ Qualifications- if any);
 - iii. Renewal of license/ registration/ permission/ clearance;
 - iv. Addition or modification in the license/ registration/ permission/ clearance;
 - v. Assignment of resources including spectrum/ numbering resources etc.



प्रसारण और केबल व्यवसाय में आसानी पर सिफारिशें

सरकार प्रसारण और केबल उद्योग के हितधारकों के लिए व्यवसाय करने में आसानी पर जोर दे रही है। यह पेपर नियामक निकायों और हितधारकों द्वारा प्रदान की गयी सिफारिशों पर केंद्रित है।

सिफारिशों का सारांश

ए. सिंगल विंडो सिस्टम

ए 1. सिंगल विंडो सिस्टम विशेषतायें

प्राधिकरण अनुसंशा करता है कि सभी संबंधित मंत्रालयों/विभागों को उपयोगकर्ता के अनुकूल, पारदर्शी और उत्तरदायी डिजिटल सिंगल विंडो सिस्टम अपनाना चाहिए। पोर्टल को लाइसेंस/पंजीकरण/अनुमति/क्लीयरेंस से संबंधित सभी वैधानिक/नीतिगत दिशानिर्देशों, संशोधनों, आदेशों, कार्यालय ज्ञापनों तक पहुंच के लिए नेविगेट करने में आसान तंत्र प्रदान करना चाहिए। अंत-से-अंत अंतर विभागीय ऑनलाइन प्रक्रिया को प्राप्त करने के लिए पोर्टल को नयी डिजिटल तकनीकों के साथ सक्षम किया जाना चाहिए। इसके अलावा पोर्टल में निम्नलिखित विशेषतायें शामिल होनी चाहिए:

ए. विचार और अनुदान के लिए पोर्टल में विधिवत रूप रूप से शामिल की

जाने वाली सभी प्रक्रियायें:

1. प्रारंभिक लाइसेंस/पंजीकरण/अनुमति/मंजूरी
2. टेस्ट रिपोर्ट (स्वीकृति/अस्वीकृति/योग्यतायें-यदि कोई हो)
3. लाइसेंस/पंजीकरण/अनुमति/मंजूरी का नवीनीकरण
4. लाइसेंस/पंजीकरण/अनुमति/मंजूरी में वृद्धि या संशोधन
5. स्पेक्ट्रम/नंबरिंग संसाधनों आदि सहित संसाधनों का समनुदेशन

- b. Process for submission/ acknowledgement of:
- Electronic Bank Guarantee/ Security Deposit/ any other charges or deposits;
 - Activities related to Merger & Acquisition;
 - Signing of the License Agreement;
 - Compliance/ Reporting submission;
 - Issue and compliance of:
 - Show Cause Notice for any non-compliance, reply of the notice and decision thereof;
 - All associated Notices and replies in relation to the above license/ registration/ permission/ clearance;
 - Request for release of Bank Guarantee and Security Deposit and release thereof;
 - Request for Surrender of license/ permission/ registration.
- c. For each license/ registration/ permission/ clearance, distinct user manual and sample forms/ formats with duly filled in sample data.
- d. Drop-down menu driven forms with simple application formats seeking only the relevant information.
- e. Use of digital technologies like Digi-Locker agreements, contracts with digital signatures, block chain technology, cloud computing, integration with e-office, chatbot mechanism, virtual assistant, automated call centre, artificial intelligence-based tracking, analysis and response systems, analytics, reporting and Management Information System.
- f. Precise and well-published timelines in the in-built Citizen Charter as well as in the user manual of each process with strict adherence to such timelines. Citizen Charter to be an integral part of the portal. Provision of deemed approval to be applicable, wherever feasible.
- g. Facilitation of online payment of permission fee, registration fee, license fee, annual renewal fee and any other applicable fee and integration with all existing payment systems.
- h. Seamless integration with all other concerned ministries/ departments/ agencies to achieve 'Whole of the Government' approach.
- i. Queries related to shortcomings, observations or objection raised by the Ministry/ Department to be raised through the portal. Applicant to be prompted

- बी. प्रस्तुत करने/पवती के लिए प्रक्रियाः
- इलेक्ट्रॉनिक बैंक गारंटी/सुरक्षा जमा/कोई अन्य शुल्क या जमा
 - विलय और अधिग्रहण से संबंधित गतिविधियां
 - लाइसेंस समझौते पर हस्ताक्षर
 - अनुपालन/रिपोर्टिंग प्रस्तुत करना
 - जारी करना और अनुपालनः
 - किसी भी गैर-अनुपालन के लिए कारण बताओ नोटिस, नोटिस का जवाब और उसका निर्णय
 - उपरोक्त लाइसेंस/पंजीकरण/अनुमति/क्लीयरेंस के संबंध में सभी संबद्ध नोटिस और उत्तर
 - बैंक गारंटी और सुरक्षा जमा को जारी करने और उसे जारी करने के लिए अनुरोध
 - लाइसेंस/अनुमति/पंजीकरण के समर्पण के लिए अनुरोध
- सी. प्रत्येक लाइसेंस/पंजीकरण/अनुमति/मंजूरी के लिए अलग-अलग उपयोगकर्ता पुस्तिका और विधिवत भरे गये नमून डेटा के साथ नमूना प्रपत्र/प्रारूप।
- डी. केवल प्रासंगिक जानकारी मांगने वाले सरल आवेदनों प्रारूपों के साथ ड्रॉप डाउन मेनू संचालित प्रपत्र।
- इ. डिजी-लॉकर समझौते, डिजिटल सिग्नेचर के साथ अनुबंध, ब्लॉक चेन टेक्नोलॉजी, क्लाउड कंप्यूटिंग, ई-ऑफिस के साथ एकीकरण, चैटबॉट मैकेनिज्म, वर्चुअल असिस्टेंट, ऑटोमेटेड कॉल सेंटर, ऑर्टिफिशियल इंटेलिजेंस आधारित ट्रेकिंग, विश्लेषण और प्रतिक्रिया प्रणाली, एनालिटिक्स जैसी डिजिटल तकनीकों का उपयोग और रिपोर्टिंग और प्रबंधन सूचना प्रणाली।
- एफ. इनविल्ट सिटीजन चार्टर के साथ-साथ प्रत्येक प्रक्रिया के उपयोगकर्ता मैनुअल में सटिक और अच्छी तरह से प्रकाशित समय सीमा ऐसी समय सीमा का सख्त पालन के साथ। सिटीजन चार्टर पोर्टल का अभिन्न अंग होगा। डीम्ड अनुमति का प्रावधान, जहां संभव हो, वहां लागू होगा।
- जी. अनुमति शुल्क, पंजीकरण शुल्क, लाइसेंस शुल्क, वार्षिक पंजीकरण शुल्क और किसी अन्य लागू शुल्क के ऑनलाइन भुगतान की सुविधा और सभी मौजूदा भुगतान प्रणालियों के साथ एकीकरण।
- एच. 'संपूर्ण सरकार' के दृष्टिकोण को प्राप्त करने के लिए अन्य सभी संबंधित मंत्रालयों/विभागों/एजेंसियों के साथ सहज एकीकरण।
- आई. पोर्टल के माध्यम से उठाये जाने वाले मंत्रालय/विभाग द्वारा की

through automated mail/ SMS. The query and additional documents required, if any, also to be clearly mentioned. Submission of stakeholder response to the query on the portal itself. Queries to be raised in a time-bound manner. Clock start-clock stop mechanism to be applied while checking end-to-end processing time. All the queries/ observations to be raised together in one instance.

- j. Stakeholders' Enquiry System related to any license/ registration/ permission/ clearance and any other queries for both existing and prospective users with reply in time-bound manner, both on the portal and through designated officer(s) Desk off the portal.
- k. Any change in guidelines or process to be notified to the service providers in their logins and through email and SMS.
- l. The portal to automatically reflect the subject wise (licence/ registration/ permission/ clearance) status of number of applications received, pending applications, average pendency, applications in process, applications rejected, and licenses issued. Such information should be publicly available.
- m. Integration with the National Single Window System (NSWS) developed by Department for Promotion of Industry and Internal Trade (DPIIT).

National Single Window System



DEPARTMENT FOR PROMOTION OF
INDUSTRY AND INTERNAL TRADE
MINISTRY OF COMMERCE & INDUSTRY,
GOVERNMENT OF INDIA

सत्यमेव जयते

A2. Other important measures to reap the benefits of 'Single Window System'

The Authority recommends that:

- a. Affidavits prescribed in the extant guidelines and application formats, if any, should be abolished and replaced with self-certificates.
- b. For an existing service provider, the requirement of getting 'prior approval' should be replaced with 'prior intimation', wherever feasible.

A3. EoDB Committee

The Authority recommends that each Ministry and its department should establish an Ease of Doing

गयी कर्मियों, टिप्पणियों या आपत्ति से संबंधित प्रश्न। आवेदक को स्वाचालित मेल/एसएमएस के माध्यम से संकेत दिया जायेगा। पूछताछ और अतिरिक्त दस्तावेज, यदि कोई हो, का भी स्पष्ट रूप से उल्लेख किया जाना चाहिए। पोर्टल पर जानकारी के लिए हितधारक प्रतिक्रिया प्रस्तुत करना। समयबद्ध तरीके से उठाये जाने वाले प्रश्न। एंड-टू-एंड प्रोसेसिंग की जांच करते समय क्लॉक स्टार्ट स्टॉप मैकेनिज्म को लागू किया जाना चाहिए। सभी प्रश्नों/टिप्पणियों को एक साथ एक उदाहरण में उठाया जाना चाहिए।

- जे. किसी भी लाइसेंस/पंजीकरण/अनुमति/मंजूरी से संबंधित हितधारकों की पूछताछ प्रणाली और मौजूदा और भावी दोनों उपयोगकर्ताओं के लिए समयबद्ध तरीके से जवाब के साथ पोर्टल पर नामित अधिकारी (अधिकारियों) के माध्यम से पोर्टल पर डेस्क के माध्यम से।
- के. सेवा प्रदाताओं को उनके लॉगिन और ईमेल और एसएमएस के माध्यम से दिशा निर्देशों या प्रक्रिया में किसी तरह के बदलाव की सूचना नहीं दी जायेगी।

एल. पोर्टल स्वाचालित रूप से प्राप्त आवेदनों की संख्या, लंबित आवेदनों, औसत लंबितता, प्रक्रियाधीन आवेदनों, अस्वीकृत आवेदनों और जारी किये गये लाइसेंसों के विषयवार (लाइसेंस/पंजीकरण/अनुमति/निकासी) स्थिति को दर्शाता है। ऐसी जानकारी सार्वजनिक रूप से उपलब्ध होनी चाहिए।

एम. उद्योग और आंतरिक व्यापार संवर्धन विभाग (डीपीआईआईटी) द्वारा विकसित राष्ट्रीय एकल खिड़की प्रणाली (एनएसडब्ल्यूएस) के साथ एकीकरण।

ए2. सिंगल विंडो सिस्टम का लाभ उठाने के लिए अन्य महत्वपूर्ण उपाय

प्राधिकरण अनुसंधान करता है कि:

- ए. मौजूदा दिशा निर्देशों और आवेदन प्रारूपों में निर्धारित हलफनामों, यदि कोई हो, को समाप्त कर दिया जाना चाहिए और स्व प्रमाणपत्र 116 के साथ प्रतिस्थापित किया जाना चाहिए।
- बी. एक मौजूदा सेवा प्रदाता के लिए, जहां भी संभव हो, 'पूर्व अनुमोदन' 117 प्राप्त करने की आवश्यकता को 'पूर्व सूचना' से प्रतिस्थापित किया जाना चाहिए।

ए3. ईओडीबी समिति

प्राधिकरण सिफारिश करता है कि प्रत्येक मंत्रालय और उसके विभाग को मौजूदा प्रक्रियाओं की नियमित रूप से समीक्षा, सरलीकरण और

Business (EoDB) Committee to regularly review, simplify and update the existing processes and to ensure ease of doing business in the sector as an on-going activity. The Committee should consist of the following officers:

- A senior level officer of Additional Secretary (AS)/ Joint Secretary (JS) level from the concerned Ministry/ Department
- Two officers from field/ regional offices
- Two members from among the service providers
- Two members from the industry associations

The members of the standing committee from service providers and industry associations should be nominated on a rotational basis to cover all the services and processes, with each member having a specific tenure. The committee should periodically take inputs from all the stakeholders/ associations.

MINISTRY OF INFORMATION AND BROADCASTING (MIB)

B. Issues related to Broadcasting and TV Distribution

B1. Timelines recommended for MIB for broadcasting/ distribution related processes

The Authority recommends that:

- MIB should specify stage-wise timelines for the process of grant of each license, registration and permission in a similar manner as has been done for Uplinking and Downlinking permission for TV channels.
- MIB should also prescribe timelines for additional permissions required during the lifecycle of the permission.
- All the timelines should be incorporated in the respective Guidelines as well as the Citizen Charter/ BroadcastSeva portal.



B2. Infrastructure status to Broadcasting and Cable Service Sector

The Authority recommends that given the importance of Cable Services sector in expanding television services as-well-as Broadband services, the Government may consider and grant 'Infrastructure Status' to 'Broadcasting and Cable Services Sector'.

अपडेट करने के लिए ईज ऑफ डूईंग बिजनेस (ईओडीबी) समिति की स्थापना करनी चाहिए और इस क्षेत्र में चल रही गतिविधियों के रूप में ईज ऑफ डूईंग बिजनेस सुनिश्चित करना चाहिए।

समिति में निम्नलिखित अधिकारी शामिल होने चाहिए:

- संबंधित मंत्रालय/विभाग से अपर सचिव (एएस)/संयुक्त सचिव (जेएस) स्तर का एक वरिष्ठ अधिकारी
- फील्ड/क्षेत्रीय कार्यालयों से दो अधिकारी
- सेवा प्रदाताओं में से दो सदस्य
- उद्योग संघों से दो सदस्य

सेवा प्रदाताओं और उद्योग संघों से स्थायी समिति के सदस्यों को सभी सेवाओं और प्रक्रियाओं को कवर करने के लिए बारी बारी से नामित किया जाना चाहिए, प्रत्येक सदस्य का एक विशिष्ट कार्याकाल होना चाहिए। समिति को समय समय पर सभी हितधारकों/संघों से जानकारी लेनी चाहिए।

सूचना और प्रसारण मंत्रालय (एमआईबी)

बी. प्रसारण और टीवी वितरण से संबंधित मुद्दे

बी 1. प्रसारण/वितरण संबंधी प्रक्रियाओं के लिए एमआईबी के लिए अनुशंसित समय-सीमायें

प्राधिकरण अनुसंशा करता है कि:

- एमआईबी को प्रत्येक लाइसेंस, पंजीकरण और अनुमति प्रदान करने की प्रक्रिया के लिए चरण वार समयसीमा उसी तरह निर्दिष्ट करनी चाहिए जैसे टीवी चैनलों के लिए अपलिकिंग और डाउनलिकिंग अनुमति के लिए किया गया है।
- एमआईबी को अनुमति के जीवनचक्र के दौरान आवश्यक अतिरिक्त अनुमतियों के लिए समयसीमा भी निर्धारित किया जाना चाहिए।
- सभी समयसीमाओं को संबंधित दिशानिर्देशों के साथ-साथ सिटीजन चार्टर/ब्रॉडकास्ट सेवा पोर्टल में शामिल किया जाना चाहिए।

बी 2. प्रसारण और केबल सेवा क्षेत्र को अवसंरचना का दर्जा

प्राधिकरण सिफारिश करता है कि टेलीविजन सेवाओं के साथ-साथ ब्रॉडबैंड सेवाओं के विस्तार में केबल सेवा क्षेत्र के महत्व को देखते हुए सरकार 'प्रसारण और केबल सेवा क्षेत्र को बुनियादी ढांचे का दर्जा देने पर विचार कर रही है और ऐसा कर सकती है।

B3. Centre of Excellence for broadcasting services

The Authority reiterates that Government should establish Centre of Excellence or align with Centre of Excellence established by other ministries/ department (e.g., Telecom Center of Excellence) to study technical, economic, social and legal aspects of broadcasting services.

B4. Issues related to MHA Security Clearance

The Authority recommends that:

- For seeking MHA security clearance, MIB should issue explicit guidelines. The process of security clearance of an applicant company and its key personnel should be made end-to-end online. MIB in close coordination with MHA should provide transparent timelines.
- For ensuring compliance, MIB may prescribe a standard undertaking to be submitted by each service provider on annual basis. Such undertaking should certify that either no change in Management Control/ Ownership control has happened during the year or that the changes in the management/ ownership structure have been submitted and requisite permission has been duly received (as applicable).



C. Issues with respect to satellite TV channels/ Teleport and related permissions

C1. Examination of applications of TV channels by empaneled CA and Department of Revenue

The Authority reiterates to examine and remove:

- the requirement of examining net worth, ownership details, shareholding pattern and its effect on net worth etc. for companies to run news or non-news channels, by the empaneled CA of MIB.
- the requirement of examining the compliance of clause 10 (iii) of the 'Uplinking Downlinking Guidelines, 2022' (erstwhile clause 1.3 and 1.4 of the downlinking policy guidelines) by the Department of Revenue.

The Authority recommends that MIB may rely upon the documents available in Statutory filings like

बी 3. प्रसारण सेवाओं के लिए उत्कृष्ट केंद्र

प्राधिकरण दोहराता है कि सरकार को प्रसारण सेवाओं के तकनीकी, आर्थिक, सामाजिक और कानूनी पहलुओं के अध्ययन करने के लिए उत्कृष्टता केंद्र स्थापित करना चाहिए या अन्य मंत्रालयों/विभागों (जैसे दूरसंचार केंद्र उत्कृष्टता) द्वारा स्थापित उत्कृष्टता केंद्र के साथ संरेखित करना चाहिए।

बी 4. गृह मंत्रालय सुरक्षा मंजूरी से संबंधित मुद्दे

प्राधिकरण अनुसंशा करता है कि:

ए. एमएचए सुरक्षा मंजूरी प्राप्त करने के लिए एमआईवी को स्पष्ट दिशानिर्देश जारी करने चाहिए। एक आवेदक कंपनी और उसके प्रमुख कर्मियों की सुरक्षा मंजूरी की प्रक्रिया का शुरू से अंत तक ऑन लाइन किया जाना चाहिए। गृह मंत्रालय के साथ घनिष्ठ समन्वय में एमआईवी को पारदर्शी समयसीमा प्रदान करना चाहिए।

बी. अनुपालन सुनिश्चित करने के लिए एमआईवी प्रत्येक सेवा प्रदाता द्वारा वार्षिक आधार पर प्रस्तुत किये जाने वाले एक मानक उपक्रम को निर्धारित कर सकता है। इस तरह के उपक्रम को प्रमाणित करना चाहिए कि वर्ष के दौरान या तो प्रबंधन नियंत्रण/स्वामित्व नियंत्रण में कोई परिवर्तन नहीं हुआ है या यह कि प्रबंधन/स्वामित्व संरचना में परिवर्तन प्रस्तुत किये गये हैं और अपेक्षित अनुमति विधिवत प्राप्त की गयी है। (यथा लागू)

सी. सैटेलाइट टीवी चैनलों/टेलीपोर्ट और संबंधित अनुमतियों के संबंध में मुद्दे

सी 1. सूचीबद्ध सीए और राजस्व विभाग द्वारा टीवी चैनलों के आवेदनों की जांच

प्राधिकरण जांच करने और हटाने के लिए दोहराता है:

- एमआईवी के पैनेलबद्ध सीए द्वारा समाचार या गैर समाचार चैनल चलाने के लिए कंपनियों के लिए नेटवर्थ, स्वामित्व विवरण, शेयरहोल्डिंग पैटर्न और नेटवर्थ आदि पर इसके प्रभाव की जांच करने की आवश्यकता है।
- राजस्व विभाग द्वारा अपलिंकिंग डाउनलिंकिंग दिशा निर्देश 2022 (डाउनलिंकिंग नीति दिशानिर्देशों के पूर्ववर्ती खंड 1.3 व 1.4) के खंड 10 (3) के अनुपालन की जांच की आवश्यकता है।

प्राधिकरण अनुसंशा करता है कि एमआईवी उपरोक्त पैरा ए व बी के सत्यापन के लिए कंपनी अधिनियम के अनुपालन वाले आयकर

Income Tax, MCA21 portal having compliances to the Companies Act for verification of para a and b above.

C2. Renewal of permission for satellite TV channel

The Authority recommends that the online portal should provide an option to broadcasters/teleport operators to make payment of the annual permission fee either for one year or more than one year. No refund of the annual fee paid in advance by the broadcaster may be permitted in any case. MIB should amend the uplinking downlinking guidelines accordingly.



C3. WPC Royalty fees for temporary uplinking of live coverage of events

The Authority recommends that WPC should charge the spectrum royalty fee for temporary uplinking of live events on pro-rata basis for actual number of days of the event (i.e., basis per day charges) instead of charging for entire month. MIB should take up the matter with WPC.

D. Issues related to distributors of TV channels

D1. Simplified registration and validity of registration for LCOs

The Authority reiterates that the registration of LCO and its renewal should be carried out through online portal. Further, the period of registration for LCO should be increased to 5 years.

The Authority recommends that:

- A simple mobile app should also be developed by MIB for registration of LCOs. Request for cancellation of LCO registration before 5 years should also be enabled on the online portal and mobile app.
- The Right of Way (RoW) portal (“GatiShakti Sanchar Portal”) should incorporate all the service providers including LCOs. DoT should enable RoW approvals for LCOs also in consultation with MIB. A hyperlink/ button icon should be provided on the MIB portal and the mobile app to reach the RoW portal.

एमसीए21 पोर्टल जैसे वैधानिक फाइलिंग में उपलब्ध दस्तावेजों पर भरोसा कर सकता है।

सी2. सैटेलाइट टीवी चैनल के लिए अनुमति का नवीनीकरण

प्राधिकरण अनुसंशा करता है कि ऑनलाइन पोर्टल को प्रसारकों/टेलीपोर्ट/ऑपरेटरों को एक वर्ष या एक वर्ष से अधिक के लिए वार्षिक अनुमति शुल्क का भुगतान करने के लिए विकल्प प्रदान किया चाहिए। प्रसारकों द्वारा अग्रिम भुगतान किये गये वार्षिक शुल्क की किसी भी स्थिति में वापसी की अनुमति नहीं दी जा सकती है। एमआईवी को तदनुसार अपलिंकिंग डाउनलिंकिंग दिशानिर्देशों में संशोधन करना चाहिए।

सी3. घटनाओं के लाइव कवरेज के अस्थायी अपलिंकिंग के लिए डब्लूपीसी रॉयल्टी शुल्क

प्राधिकरण अनुसंशा करता है कि डब्लूपीसी को लाइव इवेंट के अस्थायी अपलिंकिंग के लिए पूरे महीने के लिए चार्ज करने के बजाय इवेंट के दिनों की वास्तविक संख्या (यानी, प्रति दिन के आधार पर शुल्क) के आधार पर स्पेक्ट्रम रॉयल्टी शुल्क लेना चाहिए। एमआईवी को इस मामले को डब्लूपीसी के साथ उठाना चाहिए।

डी. टीवी चैनलों के वितरकों से संबंधित मुद्दे

डी1. एलसीओ के लिए सरलीकृत पंजीकरण और पंजीकरण की वैधता

प्राधिकरण इस बात को दोहराता है कि एलसीओ का पंजीकरण और उसका नवीनीकरण ऑनलाइन पोर्टल के माध्यम से किया जाना चाहिए। इसके अलावा एलसीओ के लिए पंजीकरण की अवधि को बढ़ाकर पांच वर्ष किया जाना चाहिए।

प्राधिकरण अनुसंशा करता है कि:

- एलसीओ के पंजीकरण के लिए एमआईवी द्वारा एक साधारण मोबाइल ऐप भी विकसित किया जाना चाहिए। एलसीओ पंजीकरण को 5 साल से पहले रद्द करने के अनुरोध को ऑनलाइन पोर्टल और मोबाइल ऐप पर भी सक्षम किया जाना चाहिए।
- राइट ऑफ वे (आरओडब्लू) पोर्टल (गतिशक्ति संचार पोर्टल) में एलसीओ सहित सभी सेवा प्रदाताओं को शामिल किया जाना चाहिए। डॉट को एलसीओ के साथ परामर्श करके आरओडब्लू अनुमोदन सक्षम करना चाहिए। एमआईवी. आरओडब्लू पोर्टल तक पहुंचने के लिए एमआईवी पोर्टल और मोबाइल ऐप पर एक हाइपरलिंक/बटन आइकन प्रदान किया जाना चाहिए।

- c. All the service providers (including LCOs) should be enabled for easy linkages of registration information with GST registration portal. A forward/backward linkage with GST portal from MIB online portal/ app will enable the users.
- d. MIB should maintain a common database of registered LCOs and access to view the LCO data should be provided to all the concerned Authorities like Municipality, local Authorities and TRAI. List of the registered LCOs should also be made available to the public at large.

DEPARTMENT OF TELECOMMUNICATIONS (DOT)

E. Terms and conditions of License Agreement for Unified License

The Authority recommends that:

Demonstration of LIM Capabilities

- a. The lawful interception monitoring demonstration of a new service in a single network may take place centrally at one LSA/ location. DoT should prescribe a nodal office to deal with such cases, where such new service uses a common network (with same technical parameters) across multiple LSAs. The nodal office should authorize one LSA to carry out such testing and share the test report with all the other LSAs.

Rollout Obligation Process

- b. There should be a module in the single window portal to comply with the end-to-end requirements of rollout obligation process. Timelines should be prescribed for each step of the process.

Security Conditions

- c. The process of request for Remote Access to network from foreign locations, and approval by DoT should be made online and time-bound.
- d. DoT should review and simplify the existing security conditions prescribed in the UL agreement regarding maintaining command logs and supply chain documents. Instead of seeking every information from the service provider, DoT may examine to create static IP based secure access system to seamlessly

सी. जीएसटी पंजीकरण पोर्टल के साथ पंजीकरण जानकारी के आसान लिंकेज के लिए सभी सेवा प्रदाताओं (एलसीओ सहित) को सक्षम किया जाना चाहिए। एमआईवी ऑनलाइन पोर्टल/एप से जीएसटी पोर्टल के साथ फॉरवर्ड/बैकवर्ड लिंकेज के लिए उपयोगकर्ताओं को सक्षम करेगा।

डी. एमआईवी को पंजीकृत एलसीओ का एक सामान्य डेटाबेस बनाये रखना चाहिए और एलसीओ डेटा देखने के लिए नगर पालिका, स्थानीय प्राधिकरणों और ट्राई जैसे सभी संबंधित प्राधिकरणों को पहुंच प्रदान की जानी चाहिए। पंजीकृत एलसीओ की सूची भी बड़े पैमाने पर जनता को उपलब्ध करायी जानी चाहिए।

दूरसंचार विभाग (डॉट)

ई. एकीकृत लाइसेंस के लिए लाइसेंस समझौते के नियम व शर्त

प्राधिकरण अनुसंशा करता है कि:

एलआईएम क्षमताओं का प्रदर्शन

- ए. एक नेटवर्क में एक नयी सेवा का वैध अवरोधन निगरानी प्रदर्शन केंद्रीय रूप से एक एलएसए/स्थल पर हो सकता है। डॉट को ऐसे मामलों से निपटने के लिए एक नोडल कार्यालय निर्धारित करना चाहिए, जहां ऐसी नयी सेवा कई एलएसए में एक सामान्य नेटवर्क (समान तकनीकी मानदंडों के साथ) का उपयोग करती है। नोडल कार्यालय को इस तरह के परीक्षण करने के लिए एक एलएसए को अधिकृत करना चाहिए और परीक्षण रिपोर्ट को अन्य सभी एलएसए के साथ साझा करना चाहिए।

रोल आउट दायित्व प्रक्रिया

- बी. रोलआउट दायित्व प्रक्रिया की एंड-टू-एंड आवश्यकताओं का अनुपालन करने के लिए सिंगल विंडो पोर्टल में एक मॉड्यूल होना चाहिए। प्रक्रिया के प्रत्येक चरण के लिए समय सीमा निर्धारित की जानी चाहिए।

सुरक्षा शर्तें

- सी. विदेशी स्थानों से नेटवर्क तक दूरस्थ पहुंच के लिए अनुरोध की प्रक्रिया और डॉट द्वारा अनुमोदन ऑनलाइन और समयबद्ध किया जाना चाहिए।
- डी. डॉट को कमांड लॉग्स और सफ्टवेयर चेन दस्तावेजों को बनाये रखने के संबंध में यूएल समझौते में निर्धारित मौजूदा सुरक्षा शर्तों की समीक्षा करनी चाहिए और उन्हें सरल बनाना चाहिए। सेवा प्रदाता से हर जानकारी मांगने के बजाए डीओटी सेवा प्रदाताओं के ऐसे डेटा तक निर्बाध रूप से पहुंचने के लिए स्थिर आईपी आधारित सुरक्षित पहुंच



दूरसंचार विभाग

DEPARTMENT OF
TELECOMMUNICATIONS

access such data of the service providers. Government should assimilate the basic concept of enabling the ecosystem by accessing the relevant information, as and when expedient.

FDI Compliance

- e. DoT should incorporate the provision/ methodology for submission of FDI compliance on SaralSanchar portal.

F. UL-INTERNET SERVICE PROVIDER (ISP) LICENSE

The Authority recommends that:

- a. Government may revise the periodicity for submission by Internet Service Providers (ISPs) for providing the details of ISP Nodes or Points of Presence (PoP) with their locations and number of broadband/ leased/ dial up subscribers to once every year (instead of every quarter). For the new nodes that are proposed to be installed, an intimation by the ISP to the Licensor at the time of installation should suffice. Such reporting should be part of reporting module of the online portal itself.
- b. The website blocking process should be incorporated on the single window portal. The list of websites to be blocked should be communicated to the ISPs in their secure login via an instant notification. The provision for compliance submission by the ISPs should also be on the portal itself.
- c. DoT should review and create an easy-to-use module in the portal with reduced compliance burden for Category 'C' Internet Service Providers under UL and UL-VNO for submission/ fulfilment of the requirements specified in the UL Agreement.
- d. For Category 'C' Internet Service Providers under UL and UL-VNO, requirement of submitting quarterly statement of revenue share and license fee audited by the Auditors should be replaced by the submission of self-certified statements/ accounts. The Government should seek audited accounts and statement annually.



प्रणाली बनाने की जांच कर सकता है। सरकार को प्रासंगिक जानकारी तक पहुंच बनाकर पारिस्थितिकी तंत्र को सक्षम करने की मूल अवधारणा को आत्मसात करना चाहिए, जब भी उचित हो।

एफडीआई अनुपालन

- इ. डॉट को सरल संचार पोर्टल पर एफडीआई अनुपालन प्रस्तुत करने के लिए प्रावधान/कार्यप्रणाली शामिल करनी चाहिए।

एफ. यूएल-इंटरनेट सेवा प्रदाता (आईएसपी) लाइसेंस

प्राधिकरण अनुसंशा करता है कि:

- ए. सरकार इंटरनेट सेवा प्रदाताओं (आईएसपी) द्वारा आईएसपी नोड्स या उपस्थिति के बिंदु (पीओपी) के विवरण को उनके स्थानों और ब्रॉडबैंड/लीज्ड/डॉयल अप ग्राहकों की संख्या के विवरण प्रदान करने के लिए प्रत्येक वर्ष (प्रत्येक तिमाही के बजाय) में प्रस्तुत करने की आवश्यकता को संशोधित कर सकती है) स्थापित किये जाने के लिए प्रस्तावित नये नोड्स के लिए स्थापना के समय आईएसपी द्वारा लाइसेंस को सूचित करना पर्याप्त होना चाहिए। ऐसी रिपोर्टिंग स्वयं ऑनलाइन पोर्टल के रिपोर्टिंग मॉड्यूल का हिस्सा होना चाहिए।
- बी. वेबसाइट ब्लॉक करने की प्रक्रिया को सिंगल विंडो पोर्टल पर शामिल किया जाये। अवरूद्ध की जाने वाली वेबसाइटों की सूची तत्काल अधिसूचना के माध्यम से आईएसपी को उनके सुरक्षित लॉगिन में सूचित की जानी चाहिए। आईएसपी द्वारा अनुपालन प्रस्तुत करने का प्रावधान भी पोर्टल पर होना चाहिए।
- सी. डॉट को यूएल और यूएल-वीएनओ के तहत श्रेणी सी इंटरनेट सेवा प्रदाताओं के लिए यूएल समझौते में निर्दिष्ट आवश्यकताओं को प्रस्तुत करने/पूरा करने के लिए कम अनुपालन बोझ के साथ पोर्टल में उपयोग में आसान मॉड्यूल की समीक्षा करनी चाहिए और बनाना चाहिए।
- डी. यूएल और यूएल-वीएनओ के तहत श्रेणी सी इंटरनेट सेवा प्रदाताओं के लिए लेखापरीक्षकों द्वारा लेखा परीक्षित राजस्व हिस्सेदारी और लाइसेंस शुल्क का त्रैमासिक विवरण प्रस्तुत करने की आवश्यकता को स्व-प्रमाणित विवरणों/खातों की प्रस्तुति से प्रतिस्थापित किया जाना चाहिए। सरकार को सालाना ऑडिट किये गये खातों और विवरण की मांग करनी चाहिए।

TRAI CHAIRMAN, PD VAGHELA ON TRAI'S ROLE IN FUTURE

TRAI chairman is all for transparency and wants TRAI to be an enabler.

TRAI is getting its act together and wants to facilitate as an enabler rather than a disruptor. Recently the TRAI chairman spelt out some of his thoughts on TRAI.

"The way technology is changing and the way new players are coming, we must ensure a level playing field for all. We should not impose regulations or restrictions on the new players; less regulation is the best regulation," affirmed PD Vaghela.

On OTT, Vaghela feels that OTT has no licensing fee and the same is the case with telecom. Under TRAI act, there is a mandate to regulate only those service providers to whom the government is giving license.

Vaghela feels broadcasting to be slightly difficult to regulate and the reasons as the stakeholders who are involved have very diverse interests and many times they are diametrically opposite to each other.

He cited an example of TRAI's New Tariff Order 3.0. There was a huge controversy and debates over that. Vaghela believes that TRAI has no business controlling the tariff.

He further added, "When we went for consultation, broadcasters, and to some extent DTH operators, wanted complete freedom and forbearance but when it comes to LCOs, and to some extent MSOs, they wanted regulation from TRAI. LCOs say that TRAI should completely regulate the pricing of the industry. For us it becomes very difficult to balance the interests of the stakeholders."

Vaghela is happy if the industry sits together and gives TRAI a roadmap on how everyone can go about with the problems. He feels that LCOs have problems and they have to be protected. There are a large number of LCOs whose subscription base is going down, their revenue is going down and this is a transition thing. This is a transition stage where all stakeholders have to take care of them. That is one concern TRAI has. ■



PD VAGHELA

भविष्य में ट्राई की भूमिका पर ट्राई के अध्यक्ष पीडी वाघेला

ट्राई के अध्यक्ष सभी तरह की पारदर्शिता के पक्षधर हैं और चाहते हैं कि ट्राई मजबूत बना रहे।

ट्राई अपने कार्य को एकसाथ कर रहा है और बाधित करने के बजाय एक समर्थक के रूप में सुविधा प्रदान कर रहा है। हाल ही में ट्राई के अध्यक्ष ने ट्राई पर अपने कुछ विचार रखे।

'जिस तरह से तकनीक बदल रही है और जिस तरह से नये खिलाड़ी आ रहे हैं, हमें सभी के लिए एक समान खेल मैदान सुनिश्चित करना चाहिए। हमें नये खिलाड़ियों पर नियम या प्रतिबंध नहीं लगाने चाहिए, कम विनियमन सबसे अच्छा विनियमन है।'

श्री पीडी वाघेला ने पुष्टि की। ओटीटी पर वाघेला को लगता है कि ओटीटी का कोई लाइसेंस शुल्क नहीं है और दूरसंचार के मामले में भी ऐसा ही है। ट्राई अधिनियम के तहत केवल उन्हीं सेवा प्रदाताओं को विनियमित करने का शासनादेश है जिन्हें सरकार लाइसेंस दे रही है।

श्री वाघेला को लगता है कि प्रसारण को विनियमित करना थोड़ा मुश्किल है और इसमें शामिल हितधारकों के हित बहुत विविध होते हैं और कई बार वे एक दूसरे से बिल्कुल विपरीत हैं।

उन्होंने ट्राई के नये टैरिफ आदेश 3.0 का हावाला दिया। इस पर भारी विवाद और बहस हुई थी। वाघेला का मानना है कि ट्राई का टैरिफ को नियंत्रित करने का कोई काम नहीं है। उन्होंने आगे कहा कि 'जब हम परामर्श के लिए प्रसारकों और कुछ हद तक डीटीएच ऑपरेटर, पूर्ण स्वतंत्रता और सहनशीलता चाहते थे, लेकिन जब एलसीओ और कुछ हद तक एमएसओ की बात आती है तो वे ट्राई से विनियमन चाहते थे। एलसीओ का कहना है कि ट्राई को पूरी तरह से चाहिए उद्योग के मूल्य निर्धारण को विनियमित करे। हमारे लिए हितधारकों के हितों को संतुलित करना बहुत कठिन हो जाता है।'

श्री वाघेला खुश हैं यदि उद्योग एकसाथ बैठता है और ट्राई को एक रोडमैप देता है कि हम समस्याओं के बारे में कैसे जा सकते हैं। उन्हें लगता है कि एलसीओ को दिक्कतें हैं और उनकी सुरक्षा करनी होगी। बड़ी संख्या में ऐसे एलसीओ हैं जिनका सब्सक्रिप्शन बेस नीचे जा रहा है, उनका राजस्व कम हो रहा है और यह बदलाव की बात है। यह एक संक्रमण का चरण है जहां हमें उनकी देखभाल करनी है। ट्राई की यही एक चिंता है। ■

TV AUDIENCE VIEWING PATTERNS

The audience television viewing pattern has undergone a seachange. This article focuses on the changing demographics of the television viewing audience and what drives them to watch TV.

TV OFFERS VALUE FOR MONEY BUT THERE IS ROOM TO ENHANCE CONSUMER WELFARE

1. Consumers think TV channels offer value for money

Consumers watch TV channels for a variety of purposes. While they also avail of other modes of video consumption, most prefer TV. The figure 1 below shows a clear preference for TV as the preferred mode of video consumption, particularly because of the value for money on offer. Other factors include: the availability and quality of content, ease of use/watching experience and quality of service.

Interestingly the TRAI's latest 'Consultation Paper on Issues related to New Regulatory Framework for

दर्शकों के टीवी देखने का स्वरूप

दर्शकों के टीवी देखने के स्वरूप में बदलाव आया है। यह लेख टेलीविजन देखने वाले दर्शकों के बदलते जनसांख्यिकी पर केंद्रित है और उन्हें टीवी देखने के लिए क्या प्रेरित करता है।

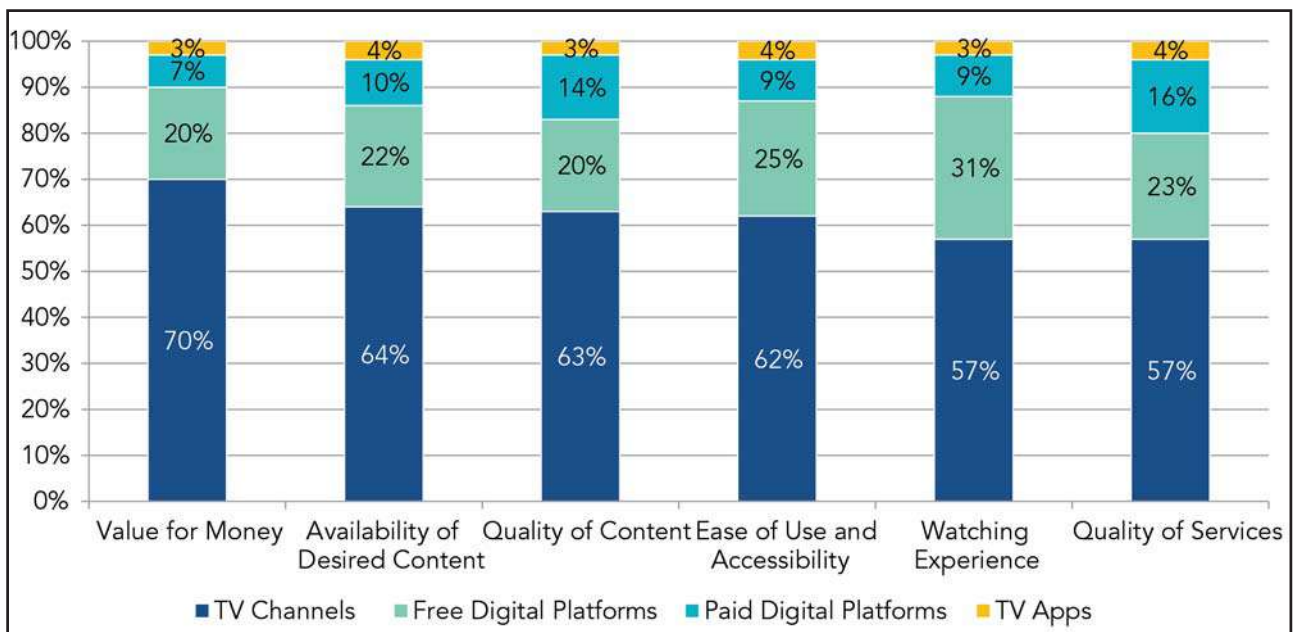
टीवी पैसे के लिए मूल्य प्रदान करता है लेकिन उपभोक्ता कल्याण को बढ़ाने के लिए जगह है

1. उपभोक्ताओं को लगता है कि टीवी चैनल पैसे की कीमत देते हैं

उपभोक्ता विभिन्न उद्देश्यों के लिए टीवी देखते हैं। जबकि वे वीडियो देखने के अन्य तरीकों का भी लाभ उठाते हैं, लेकिन अधिकांश टीवी पसंद करते हैं। नीचे दिया गया चित्र 1 वीडियो उपभोग के पसंदीदा मोड के रूप में टीवी के लिए एक स्पष्ट वरीयता दिखाता है, विशेष रूप से ऑफर पर पैसे के मूल्य के कारण। अन्य कारकों में शामिल हैं: सामग्री की उपलब्धता और गुणवत्ता, उपयोग में आसानी/देखने का अनुभव और सेवा की गुणवत्ता।

दिलचस्प बात यह है कि ट्राई के नवीनतम प्रसारण और केबल सेवाओं के लिए नये नियामक ढांचे से संबंधित मुद्दों पर परामर्श पत्र में कहा

Figure 1: Preferred mode of video consumption



Note: Based on response of 10,053 respondents.

AUDIENCE ENGAGEMENT

Broadcasting and Cable Services' notes that the Authority had received representations from Local Cable Operators that highlight the adverse impact of OTT services on linear TV.

Specifically, the consultation paper notes that "consumer organizations have highlighted likely increase in their subscription due to the price rise of popular channels, consequent upon implementation of proposed RIOs filed by the broadcasters".

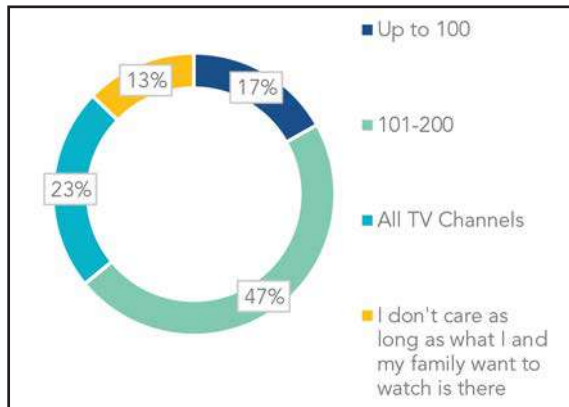
It also states that "easy availability of the TV content on the OTT platforms/ apps is also posing a serious challenge to the traditional cable/dish TV services". However, it is clear from our survey that consumers prefer TV across various relevant parameters, including content availability.

2. There is room for consumer welfare to grow

Close to three fourth of consumers pay around INR 200-400 as average monthly subscription bill per TV. Most have subscribed to up to 200 channels, which is the same number as offered in the basic service package. Therefore, it is important to understand how and if consumers exercise effective choice and its concomitant impact on consumer welfare.

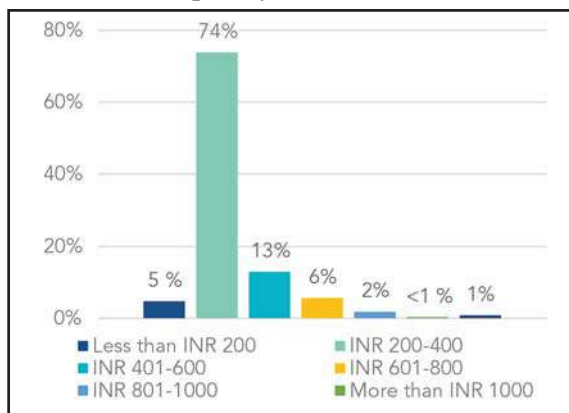
For instance, 67 percent consumers said that their average monthly bill for TV channels increased in the past 1-2 years, during which a new

Figure 2: Number of channels desired by consumers for the bill they pay



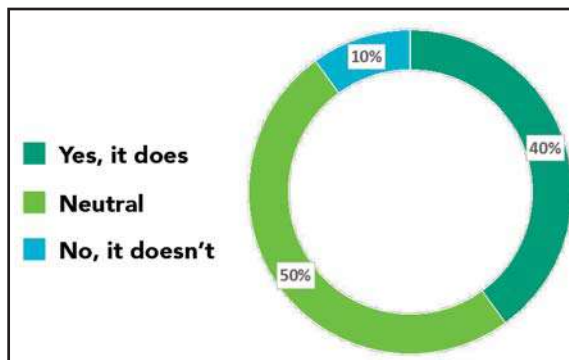
Note: Based on response of 10,053 respondents.

Figure 3: Average monthly subscription bill paid by consumers



Note: Based on response of 10,053 respondents.

Figure 4: Perception about TV channel package adequately catering to respondent's and their family requirements



gaya है कि प्राधिकरण को स्थानीय केबल ऑपरेटर्स से अभ्यावेदन प्राप्त हुए थे जो कि टेरिस्ट्रियल टीवी पर ओटीटी सेवाओं के प्रतिकूल प्रभाव को उजागर करते हैं।

विशेष रूप से परामर्श पत्र में कहा गया है कि 'उपभोक्ता संगठनों ने प्रसारक द्वारा दायर प्रस्तावित रियो के कार्यान्वयन के परिणामस्वरूप लोकप्रिय चैनलों के मूल्य वृद्धि के कारण उनकी सब्सक्रिप्शन में संभावित वृद्धि पर प्रकाश डाल है।'

इसमें यह भी कह गया है कि 'ओटीटी प्लेटफॉर्म/एप्स पर टीवी सामग्री की आसान उपलब्धता भी पारंपरिक केबल/ डिश टीवी सेवाओं के लिए एक गंभीर चुनौती बन रही है।' हालांकि, हमारे सर्वेक्षण से यह स्पष्ट है कि उपभोक्ता सामग्री उपलब्धता सहित विभिन्न प्रासंगिक मापदंडों पर टीवी पसंद करते हैं।

2. उपभोक्ता कल्याण के बढ़ने की गुंजाइश है

करीब तीन चौथाई उपभोक्ता प्रति टीवी औसत मासिक सब्सक्रिप्शन बिल के रूप में लगभग 200-400 रुपये का भुगतान करते हैं। अधिकांश ने 200 चैनलों तक की सब्सक्रिप्शन ली है, जो मूल सेवा पैकेज में दी गयी संख्या के समान है। इसलिए यह समझना महत्वपूर्ण है कि उपभोक्ता कैसे और क्या प्रभावी विकल्प का प्रयोग करते हैं और उपभोक्ता कल्याण पर इसका सहवर्ती प्रभाव पड़ता है।

उदाहरण के लिए, 67 प्रतिशत उपभोक्ताओं ने कहा कि टीवी चैनलों के लिए उनका औसत मासिक बिल पिछले 1-2 वर्षों में बढ़ा है, जिसके दौरान एक नया नियामक ढांचा बनाया

AUDIENCE ENGAGEMENT

regulatory framework was put in place. The figure 3 below show the average monthly subscription bill consumers pay and figure 2 highlights the number of channels consumers desire for the price they pay.

Around 40 percent of consumers are satisfied with their subscriptions (Figure 4), and that leaves significant room for consumer satisfaction to grow, which validates the regulatory reform process currently underway at the TRAI.

This is particularly since as per the TRAI's Consultation Paper, on "discussions with stakeholders, it emerged that consumers' benefits are of prime importance". Moreover, consumer welfare is an important objective of TRAI's overall regulatory remit.

CONSUMERS PREFER BOUQUETS, AND EXPECT A LOT FROM THEM

1. Consumer avail of TV channels primarily through bouquets combined with individual channels

The figure 5 below shows that many consumers (54 percent) avail of TV channels through bouquet subscriptions, while another 35 percent subscribe to a combination of pack of channels and individual channels.

Eminent economist Jeffery Eisenach has linked the prevalence of bundling to five factors:

"First, video markets are characterized by economies of scale and scope at both the upstream (video production) and downstream (video distribution) levels. Second, these markets are multi-sided, that is, they are supported by advertising as well as consumer subscription fees; and, the market for advertising is itself subject to economies of scale. Third, video markets offer differentiated products and face

गया था। नीचे दिया गया चित्र 3 उपभोक्ता द्वारा भुगतान किये जाने वाले औसत मासिक सब्सक्रिप्शन बिल का दर्शाता है और चित्र 2 उन चैनलों की संख्या का दर्शाता है जो उपभोक्ता अपने द्वारा भुगतान की जाने वाली के लिए चाहते हैं।

लगभग 40 प्रतिशत उपभोक्ता अपने सब्सक्रिप्शन (चित्र 4) से संतुष्ट हैं और इससे उपभोक्ता संतुष्टि के बढ़ाने के लिए महत्वपूर्ण जगह बचती है, जो ट्राई में वर्तमान में चल रही नियामक सुधार प्रक्रिया को मान्य करता है।

यह विशेष रूप से ट्राई के परामर्शपत्र के अनुसार 'हितधारकों के साथ चर्चा में, यह देखने को मिला कि उपभोक्ताओं के लाभ सबसे महत्वपूर्ण हैं।' इसके अलावा उपभोक्ता कल्याण ट्राई के समग्र विनियामक प्रेषण का एक महत्वपूर्ण उद्देश्य है।

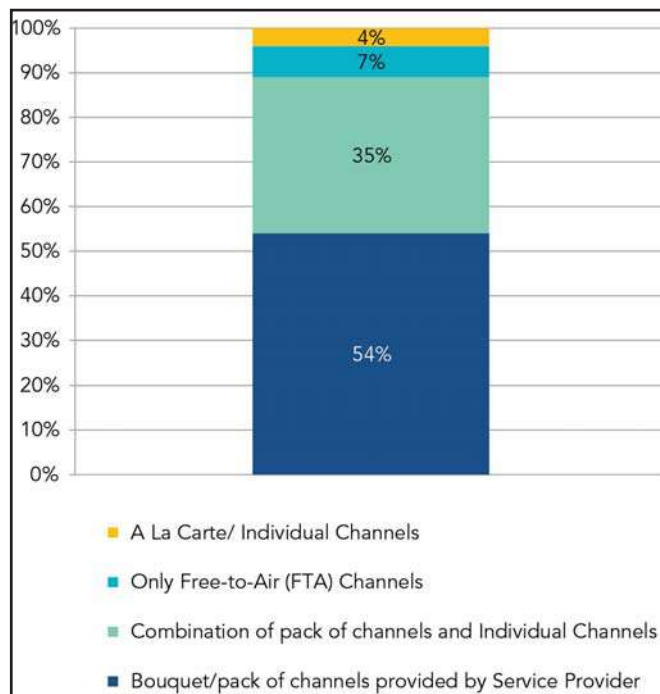
उपभोक्ता बुके पसंद करते हैं और उनसे बहुत उम्मीदें भी रखते हैं

1. उपभोक्ता मुख्य रूप से अलग-अलग चैनलों के साथ संयुक्त बुके के माध्यम से टीवी चैनलों का लाभ उठाते हैं।

नीचे दिया गया चित्र 5 दर्शाता है कि कई उपभोक्ता (54 प्रतिशत) बुके सब्सक्रिप्शन के माध्यम से टीवी चैनलों का लाभ उठाते हैं, जबकि अन्य 35 प्रतिशत चैनलों के पैक और व्यक्तिगत चैनलों के संयोजन की सदस्यता लेते हैं।

प्रख्यात अर्थशास्त्री जेफरी ईसेनच ने बंडलिंग के प्रसार को पांच कारकों से जोड़ा है: सबसे पहले, वीडियो बाजारों की अपस्ट्रीम (वीडियो उत्पादन) और डाउनस्ट्रीम (वीडियो वितरण) दोनों स्तरों पर पैमाने और दायरे की अर्थ व्यवस्थाओं की विशेषता है। दूसरा, यह बाजार बहु-पक्षीय है, अर्थात् वे विज्ञापन के साथ-साथ उपभोक्ता सदस्यता शुल्क द्वारा समर्थित हैं और विज्ञापन के लिए बाजार स्वयं पैमाने की मितव्ययिता के अधीन है। तीसरा, वीडियो बाजार अलग-अलग उत्पादों की पेशकश करते हैं और विषम उपभोक्ता मांग का

Figure 5: Manner of choosing TV channels



Note: Based on responses of 3,392 consumers, who claimed that they can add/remove channels to/from their pack

AUDIENCE ENGAGEMENT

heterogeneous consumer demand, meaning simply that different consumers prefer to watch different types of programming. Fourth, like other markets with differentiated products, consumers must incur search costs to identify and learn about the available products. Fifth, both the upstream and downstream markets for video content are dynamically competitive.”

2. Consumers expect more from their subscriptions

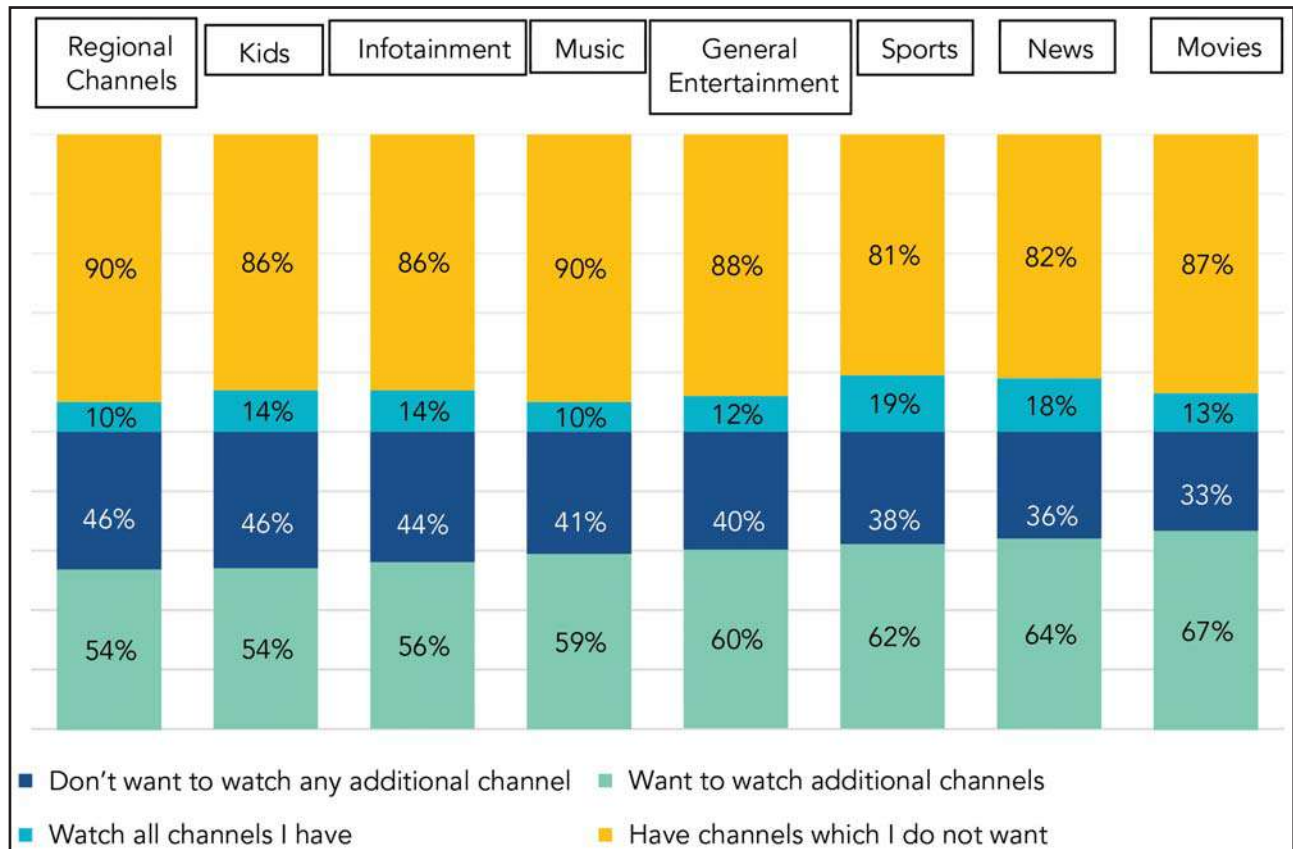
It is worth noting at the outset that economists assume that consumers have a set of tastes or preferences that guide them to select goods or services. It is also axiomatic that these tastes tend to differ substantially among individuals. Some of the key properties of consumer’s preferences include completeness, transitivity, more is better, continuity and strict convexity. While we needn’t bother with most of these for the purpose of our analysis, it is important to state that the ‘more is better’ property stems

सामना करते हैं, जिसका अर्थ है कि विभिन्न उपभोक्ता विभिन्न प्रकार की प्रोग्रामिंग देखना पसंद करते हैं। चौथा, अलग-अलग उत्पादों वाले अन्य बाजारों की तरह, उपभोक्ताओं को उपलब्ध उत्पादों की पहचान करने और उनके बारे में जानने के लिए खोज लागत लगानी होगी। पांचवां, वीडियो सामग्री के लिए अपस्ट्रीम और डाउनस्ट्रीम दोनों बाजार गतिशील रूप से प्रतिस्पर्धी हैं।’

2. उपभोक्ता अपने सब्सक्रिप्शन से अधिक की उम्मीद करते हैं

शुरुआत में यह ध्यान देने योग्य है कि अर्थशास्त्री मानते हैं कि उपभोक्ताओं के पास स्वाद या वरीयताओं का एक सेट होता है जो उन्हें वस्तुओं या सेवाओं का चयन करने के लिए मार्गदर्शन करता है। यह भी स्वयंसिद्ध है कि ये स्वाद व्यक्तियों के बीच काफी भिन्न होते हैं। उपभोक्ताओं की प्राथमिकताओं के कुछ प्रमुख गुणों में पूर्णता, परिवर्तनशीलता, अधिक बेहतर है, निरंतरता और सख्ता उत्तलता शामिल है। जबकि हमें अपने विश्लेषण के उद्देश्य से इनमें से अधिकांश के साथ परेशान होने की

Figure 6: Mismatch in channels subscribed and consumer preferences



Note: Based on response of 10,053 consumers.

AUDIENCE ENGAGEMENT

from a basic assumption that more of a good or service is better than less of it. This also corresponds with the fact that consumers prefer bundles or bouquets.

While 40 percent consumers perceived their subscription package to be adequately catering to their and their family's needs, there is room for their levels of satisfaction to grow.

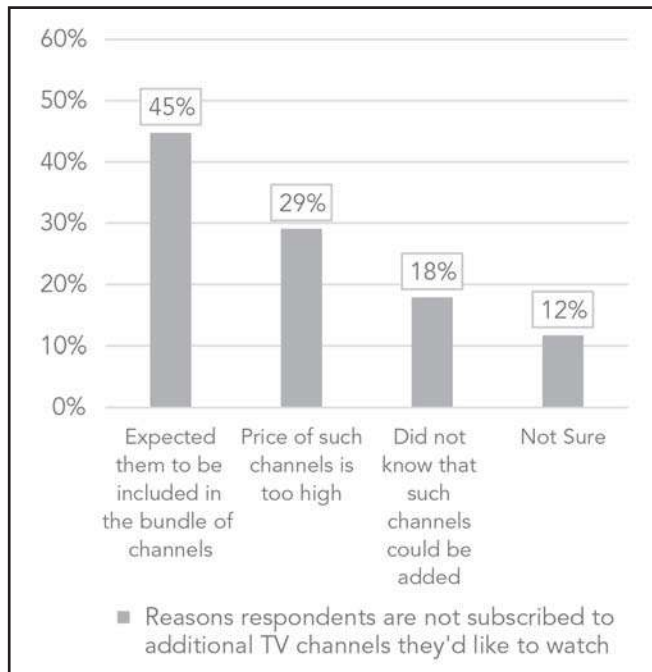
Specifically, many consumers (Figure 6) are subscribed to channels they do not watch, and simultaneously want to watch more channels that they think they may like.

There were varied explanations for why consumers felt their levels of satisfaction have room to grow. These predictably include factors such as expectations from bundles (primary factor), price sensitivity, and awareness gaps around channel selection processes (secondary factors).

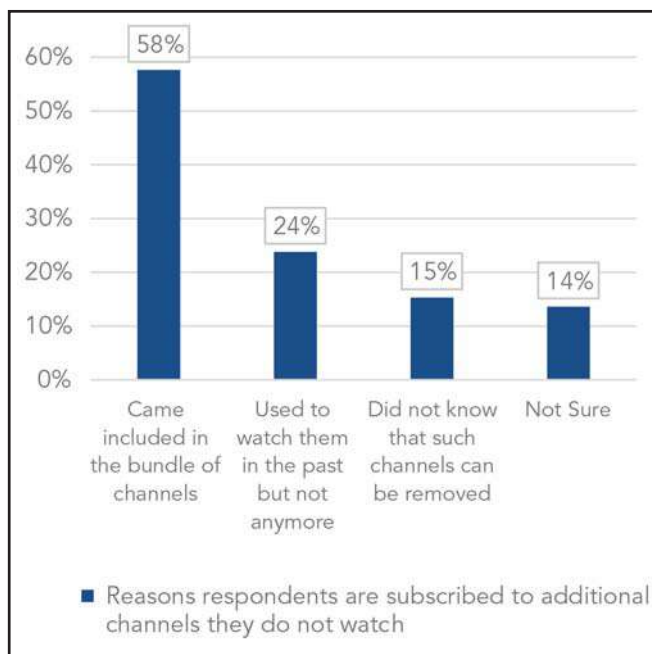
We understand that typically, at present, consumers start with a basic service package of 200 channels for INR 130 + GST (INR 153), unless they explicitly opt out by intimating their distributor. The TRAI explained this concept in a 2017 memo:

“The Authority has further noted that in Phase-III and Phase-IV areas, large number of small MSOs (Multiple System Operators) are providing

Figure 7: Reasons for mismatch in channel selection



Note: Based on responses of 9,636 respondents. This was an MCQ.



Note: Based on responses of 9,734 respondents. This was an MCQ.

आवश्यकता नहीं है, यह बताना महत्वपूर्ण है कि 'अधिक बेहतर है गुण एक अधिक बुनियादी धारणा से उपजा है कि एक अच्छी या सेवा का अधिक होना उससे कम से बेहतर है। यह इस तथ्य से भी मेल खाता है कि उपभोक्ता बंडल या बुके पसंद करते हैं।

हालांकि 40 प्रतिशत उपभोक्ता ने माना कि उनका सब्सक्रिप्शन पैकेज उनकी और उनके परिवार की जरूरतों को पर्याप्त रूप से पूरा करता है और उनकी संतुष्टि के स्तर के बढ़ाने की गुंजाइश है।

विशेष रूप से कई उपभोक्ता (चित्र 6) उन चैनलों का सब्सक्रिप्शन लेते हैं जिन्हें वे नहीं देखते हैं और साथ ही वे और अधिक चैनल देखना चाहते हैं जो उन्हें लगता है कि वे पसंद कर सकते हैं।

उपभोक्ताओं को क्यों लगा कि उनकी संतुष्टि के स्तर में वृद्धि की गुंजाइश है, इसके लिए विभिन्न स्पष्टीकरण थे। इनमें अनुमानित रूप से बंडलों (प्राथमिक कारक), मूल्य संवेदनशीलता और चैनल चयन प्रक्रियाओं (द्वितीय कारक) के आसपास अंतराल जैसे कारक शामिल हैं।

हम समझते हैं कि आमतौर पर, वर्तमान में, उपभोक्ता 130रुपये प्लस जीएसटी (153रु.) के लिए 200 चैनलों के मूल सेवा पैकेज के साथ शुरू करते हैं, जब तक कि वे अपने वितरकों स्पष्ट रूप से सूचित करके बाहर नहीं निकलते। ट्राई ने 2017 मेमो में इस अवधारणा को समझाया है:

‘प्राधिकरण ने आगे नोट किया है कि चरण-3 और चरण-

services who have smaller 4 क्षेत्रों में, बड़ी संख्या में छोटे एमएसओ (मल्टीपल सिस्टम ऑपरेटर्स)

AUDIENCE ENGAGEMENT

to protect the interests of such MSOs, the amount of Rs. 130/- has been prescribed for Network Capacity Fee for the capacity of initial one hundred channels. In order to provide flexibility to distributors of television channels and protect the interests of customers/ viewers the ceiling of Rs. 130/- has been prescribed. Distributors of television channels are free to fix Network Capacity Fee below this ceiling.” – Para 81 of the Explanatory Memorandum to the 2017 Tariff Order published by TRAI

In this sense, the construct of a basic service package runs contrary to a fundamental feature of bundling, which is its potential to reduce search costs.

This challenge is captured in TRAI’s Consultation Paper itself, where it is highlighted that during the implementation of the New Regulatory Framework 2017, “the Authority had to consider and accept provision of best-fit packages for bulk of the consumers, as in spite of multiple extensions of implementation timelines the customers were not able to exercise their options and complete the processes”.

The figure 8 below shows that many consumers (38 percent) also associate the increase in monthly subscription bills with an increase in the number of channels they are subscribed to.

Access to additional channels which consumers did not subscribe to initially could have resulted in increase in their monthly subscription bills. However, consumers seem dissatisfied despite subscription to such additional bouquets.

नेटवर्क हैं और कम संख्या में ग्राहकों को सेवा प्रदान करते हैं। ऐसे एमएसओ के हितों की रक्षा के लिए शुरूआती 100 चैनलों की क्षमता के लिए 130₹ की राशि नेटवर्क कैपेसिटी फीस के लिए निर्धारित की गयी है। टेलीविजन चैनलों के वितरकों को लचीलापन प्रदान करने और ग्राहकों/दर्शकों के हितों की रक्षा के लिए 130₹ की सीमा निर्धारित की गयी है। टेलीविजन चैनलों के वितरक इस सीमा से नीचे नेटवर्क क्षमता शुल्क निर्धारित करने के लिए स्वतंत्र है। ट्राई द्वारा प्रकाशित 2017 टैरिफ ऑर्डर के व्याख्यात्मक ज्ञापन का पैरा 81।

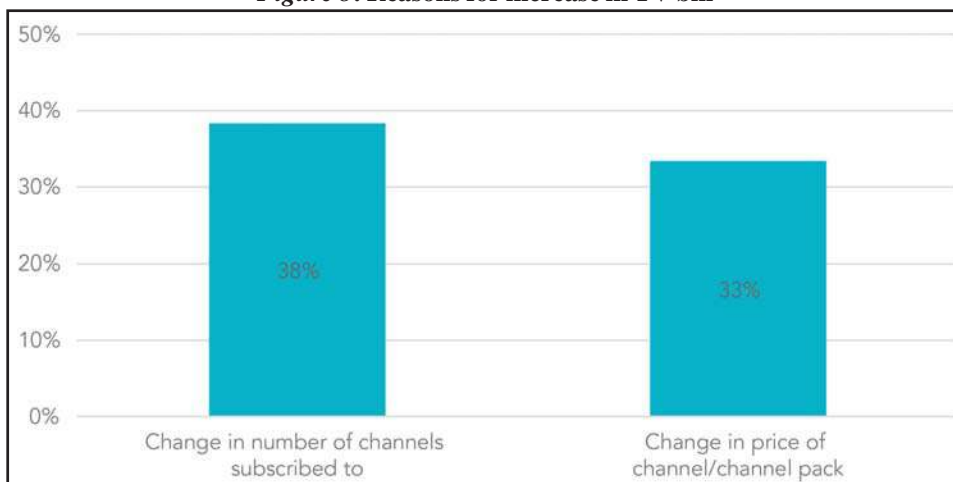
इस अर्थ में एक बुनियादी सेवा पैकेज का निर्माण बंडलिंग की मूलभूत विशेषता के विपरीत चलता है जो खोज लागत को कम करने की इसकी क्षमता है।

इस चुनौती को ट्राई के परामर्शपत्र में ही दर्ज किया गया है, जहां इस बात पर प्रकाश डाल गया है कि न्यू रेग्युलेटरी फ्रेमवर्क 2017 के कार्यान्वयन के दौरान, ‘प्राधिकरण को बड़ी संख्या में उपभोक्ताओं के लिए सर्वोत्तम फिट पैकेज के प्रावधान पर विचार करना पड़ा और स्वीकार करना पड़ा, इसके बावजूद कार्यान्वयन समय-सीमा के कई विस्तार ग्राहक अपने विकल्पों का प्रयोग करने और प्रक्रियाओं को पूरा करने में सक्षम नहीं थे।’

नीचे दिये गये चित्र 8 से पता चलता है कि कई उपभोक्ता (38 प्रतिशत) मासिक सब्सक्रिप्शन बिलों में वृद्धि को उन चैनलों की संख्या में वृद्धि के साथ जोड़ते हैं जिनकी उन्होंने सब्सक्रिप्शन ली है।

अतिरिक्त चैनलों तक पहुंच, जिन्हें उपभोक्ताओं ने शुरू में सब्सक्राइव नहीं किया था, उनके मासिक सब्सक्रिप्शन बिल में वृद्धि हो सकती थी। हालांकि ऐसे अतिरिक्त बुके के सब्सक्रिप्शन के बावजूद उपभोक्ता असंतुष्ट नजर आते हैं।

Figure 8: Reasons for increase in TV bill



Note: Based on responses of 7,964 consumers, who have experienced a change in TV monthly bill in the past 1-2 years. Other reasons included: Upgrade from Standard Definition (SD) to High Definition (HD) channels (43 percent) and Change in the number of TVs (34 percent). This was an MCQ.

Source: Towards Effective Choice: A NATION-WIDE SURVEY OF INDIAN TV CONSUMERS by Consumer Unity & Trust Society & Broadband India Forum

APPLE - DISNEY MERGER COULD SPIN A NEW MEGA BRAND

Apple buying Disney – this headline has been doing the buzz for quite some time now. The acquisition if it happens will be an interesting development and will bring with it lot of synergy and build a huge company and ultimately benefit both.

Steve Jobs is the binding factor for Bob Iger which could be one of the driving factors if this deal has to go through. Before Disney acquired Pixar, Steve Jobs was majority shareholder of the animations studio Pixar. Jobs became a member of The Walt Disney Company's board of directors, a position he held until his death in 2011.

Bob Iger had envisaged what a joint venture would look like in 2019. Bob Iger had Disney acquire Pixar, Marvel, Lucasfilm and 21st Century Fox.

Apple is the largest technology company in the world and its revenues in 2022 was around US\$ 394.3 billion and had a market cap of US\$ 2.62 trillion. Disney market cap is around \$182.56 billion.

Tim Cook, CEO of Apple has had few acquisitions under his tenure but had given an indication that Apple would not rule out acquiring a large company with the intent of securing strong intellectual property and big names.

“We are always looking at companies to buy, we acquire a lot of smaller companies and we’ll continue to do that for IP and to incorporate talent,” Cook stated. “We don’t discount something larger if the opportunity presents itself.”

The last big acquisition made by Apple was Beats almost a decade ago for \$3 billion. Reportedly, Apple plays safe and is watchful of big purchases that would invite antitrust allegations. Apple focusses on small start-up acquisitions to increase its home-grown push into new markets.

The buzz in Wall Street is that Apple could be worth 15-25% more if the company were to merge with Disney. Apple-Disney deal can happen until the time Iger serves as the Disney CEO for the next two years. ■



एक नये मेगा ब्रॉन्ड की ओर मुड़ सकता है एप्पल-डिज्नी विलय

एप्पल द्वारा डिज्नी को खरीदना-यह सुर्खियां पिछले कुछ समय से लगातार समाचार में बना हुआ है। यदि अधिग्रहण होता है तो यह एक दिलचस्प विकास होगा और अपने साथ बहुत अधिक तालमेल लायेगा और एक बड़ी कंपनी का निर्माण करेगा और अंततः इससे दोनों कंपनी लाभान्वित होंगे।

स्टीव जॉब्स, बॉब इगरके लिए वाध्यकारी कारक हैं जो इस सौदे से गुजरने के लिए प्रेरक कारकों में से एक हो सकता है। डिज्नी द्वारा पिक्सर का अधिग्रहण करने से पहले, स्टीव जॉब्स एनिमेशन स्टूडियो पिक्सर के बहुसंख्यक शेयरधारक थे। जॉब्स, द वॉल्ट डिज्नी कंपनी के निदेशक मंडल के सदस्य बन गये, जिस पर पर वे 2011 तक अपनी मृत्यु के समय तक बने रहे। बॉब

इगर ने अनुमान लगाया था कि 2019 में एक संयुक्त उपक्रम कैसा दिखेगा। बॉब इगर ने डिज्नी को पिक्सर, मार्वल, लुकासफिल्म और 21फर्स्ट सेंचुरी फॉक्स का अधिग्रहण किया था।

एप्पल दुनिया की सबसे बड़ी प्रौद्योगिकी कंपनी है और इसका राजस्व 2022 में लगभग 394.3 बिलियन अमेरिकी डॉलर था और इसका मार्केट कैप 2.62

ट्रिलियन अमेरिकी डॉलर था। डिज्नी का मार्केट कैप करीब 182.56 अरब डॉलर है। एप्पल के सीईओ टिम कुक ने अपने कार्यकाल के दौरान कुछ अधिग्रहण किये हैं लेकिन उन्होंने संकेत दिया था कि एप्पली मजबूत बौद्धिक संपदा और बड़े नामों को हासिल करने के इरादे से एक बड़ी कंपनी का अधिग्रहण करने से इंकार नहीं करेगा। श्री कुक ने कहा कि हम हमेशा कंपनियों को खरीदने की ओर देख रहे हैं, हम कई छोटी कंपनियों का अधिग्रहण करते हैं और हम आईपी के लिए और प्रतिभा को शामिल करने के लिए ऐसा करना जारी रखेंगे। ‘यदि अवसर स्वयं छूट देता है तो हम कुछ बड़ा छूट नहीं देते हैं।’

एप्पल द्वारा किया गया आखिरी बड़ा अधिग्रहण लगभग एक दशक पहले 3 बिलियन डॉलर में वीट्स का किया गया था। कथित तौर पर, एप्पल सुरक्षित खेलता है और बड़ी खरीदारी पर नजर रखता है जो अविश्वास के आरोपों को आमंत्रित करेगा। एप्पल नये बाजारों में अपने घरेलू विकास को बढ़ाने के लिए छोटे स्टार्टअप अधिग्रहण पर ध्यान केंद्रित करता है।

वॉल स्ट्रीट में चर्चा है कि कंपनी का डिज्नी के साथ विलय हो जाता है तो एप्पल की कीमत 15-25% अधिक हो सकती है। एप्पल-डिज्नी सौदा तब तक हो सकता है जब तक कि इगर अगले दो वर्षों के लिए डिज्नी सीईओ के रूप में कार्य नहीं करते। ■



DVB -1 DEBUT IN SPAIN

DVB-I



DVB is set to make its debut in Spain and the DVB-I tests have commenced in Spain with the collaboration between the public broadcaster RTVE and the Polytechnic University of Madrid (UPM).

Under the auspices of the RTVE Chair at UPM, a live event at the end of April featured the first pilot of RTVE channels delivered using DVB-I linked to a digital terrestrial television (DTT)

broadcast. The event included a demonstration of the channel tuning procedure.

Other companies contributing to the initiative included Cellnex Telecom, Dolby, Sapec and the Televés Corporation, all of whom are on the advisory committee of the RTVE Chair at UPM. Receivers for the tests were supplied by Vestel, who provided development software with new DVB-I support running on current range of their production TV sets.

The pilot also made use of the DVB-I reference application to generate the service lists.

VODAFONE – RTL PARTNERSHIP

Vodafone – RTL partnership and with TeraVolt developing a Lightning Application for RTL+ and Vodafone, enabled the launch of RTL+ as a pre-installed app on Vodafone’s GigaTV platform.

TeraVolt has specialised in developments in the Lightning Framework from Metrological (part of Comcast Technology Solutions) for years and was commissioned by RTL and Vodafone for the implementation of this project.



Oliver Koch, CCO and founder at TeraVolt said: “RTL+ is one of the most important players in the streaming segment with its content and strategic orientation. We are pleased about the successful integration of the app on GigaTV. At the same time, we are further expanding our long-standing successful collaboration with Vodafone along the new processes”.

STREAMING TRYST IN POLAND

Poland has a new a new streaming platform named Vodylla which is operated by RDF Entertainment, it offers mostly documentaries and costs PLN19.90 (€4.36) a month to receive.

RDF Entertainment is based in the southern Polish city of Bielsko Biala and owned by the entrepreneur Przemek Petryszyn. ■

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ZEE SETTLES DUES



Zee is in talks with its creditors over the settlement of dues and debts and is ready to repay in tranches the Rs 1.49 billion loan to

IDBI Bank.

Zee's founders are reportedly also in separate talks with Axis Bank Lts, JC Flowers & Co's asset reconstruction unit to settle dues worth Rs 400 million to their respective entities.

Zee paid back dues to IndusInd Bank which had objected to the merger. Many other creditors have been approaching bankruptcy court, demanding that the network settle their dues.

With the repayments out of the way, Zee can merge with Sony to create a media goliath worth \$10 billion.

TV18 BROADCAST SEES PROFIT



TV18 Broadcast has recorded consolidated revenue of

Rs 1,406 crore in Q4FY23. This is a 6% decline compared to Rs 1,496 crore consolidated revenue the company reported in Q4FY22. The revenue was Rs 1823 crore in the last quarter.

The company registered a decline in profit to Rs 20 crore in the Q4FY23, as compared to Rs 221 crore in the corresponding quarter of the previous year. The profit in the previous quarter was Rs 38 crore.

Meanwhile, Network18 Media and Investments reported a consolidated revenue of Rs 1,484 crore in the Q4FY23 quarter as compared to Rs 1,621 crore recorded in Q4FY22. This is a decline of 8%.

Network18 Media reported a net loss of Rs 36.78 crore for the fourth quarter ended March 2023, as compared to a net profit of Rs 61.85 crore in the same quarter last year.

PUNIT GOENKA SETTLES CASE



Punit Goenka, MD & CEO of Zee Entertainment Enterprises Ltd, has settled a case of alleged violation of insider trading norms by paying Rs 50.7

lakh settlement fee to Sebi, media networks have reported.

As per Sebi, the proceedings against Goenka have been disposed of.

The regulator had found that Goenka had failed to put in place enough internal controls for identifying unpublished price-sensitive information.

BBC INDIA IN THE DOCK

The Enforcement Directorate has registered a case against news broadcaster BBC India for foreign exchange violations, according to media reports.

The case has reportedly been registered under the provisions of the Foreign Exchange Management Act (FEMA). According to the reports, the investigation will focus on purported foreign direct investment (FDI) violations by the company.

The action follows a raid by the IT Department at the BBC premises in Delhi and Mumbai in February.

The government had said they have found evidences pertaining to the operation of the organization, which indicate that tax has not been paid on certain remittances, which have not been disclosed as income in India by the foreign entities of the group. ■



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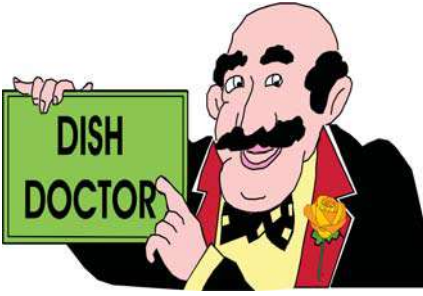
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MINISTRY OF INFORMATION AND BROADCASTING (MIB)

Q: The I&B Ministry is the nodal body for broadcasting in India/ Please explain what are kind of role MINISTRY OF INFORMATION AND BROADCASTING plays?

Suryakant Pandit, Orissa

Ans.: Ministry of Information and Broadcasting (MIB) is the nodal ministry to issue broadcasting and cable services related license, permission and registration. The services include television (TV) broadcasters, FM broadcasters and the various Distribution Platform Operators (DPOs). These service providers are governed by different Guidelines/ Act issued by the Government. Broadly, MIB grants permissions for the various broadcasting services and the subsequent permissions to the existing service providers while serving the license, as per the following:

1. Permission for uplinking/ downlinking of TV Channels;
2. Permission for setting up of uplinking Hub/ Teleport/ SNG/ DSNG;
3. License to Direct-To-Home (DTH) operators;
4. Permission to Headend-In-The-Sky (HITS) operators;
5. Registration to Multi-System Operators (MSOs);

सूचना और प्रसारण मंत्रालय

प्रश्न: आईएंडबी मंत्रालय भारत में प्रसारण के लिए नोडल निकाय है। कृपया बतायें कि सूचना और प्रसारण मंत्रालय किस प्रकार की भूमिका निभाता है?

सूर्यकांत पंडित, उड़ीसा

उत्तर: सूचना और प्रसारण मंत्रालय (एमआईबी) प्रसारण और केबल सेवाओं से संबंधित लाइसेंस, अनुमति और पंजीकरण जारी करने वाला नोडल मंत्रालय है।

सेवाओं में टेलीविजन (टीवी) प्रसारक, एफएम प्रसारक और विभिन्न वितरण प्लेटफॉर्म ऑपरेटर (डीपीओ) शामिल हैं। ये सेवा प्रदाता सरकार द्वारा जारी विभिन्न दिशा निर्देशों/अधिनियमों द्वारा शासित होते हैं। मोटे तौर पर एमआईबी विभिन्न प्रसारण सेवाओं के लिए अनुमतियां प्रदान करता है और बाद में लाइसेंस प्रदान करते समय मौजूदा सेवा प्रदाताओं को निम्न के अनुसार अनुमति देता है:

1. टीवी चैनलों की अपलिंकिंग/ डाउनलिंकिंग के लिए अनुमति
2. अपलिंकिंग हब/टेलीपोर्ट/एसएनजी/डीएसएनजी की स्थापना के लिए अनुमति
3. डायरेक्ट-टू-होम (डीटीएच) ऑपरेटरों को लाइसेंस
4. हेडएंड-इन-द-स्काई (हिट्स) ऑपरेटरों को अनुमति
5. मल्टी सिस्टम ऑपरेटरों (एमएसओ) के लिए पंजीकरण
6. स्थानीय केबल ऑपरेटरों (एलसीओ) के लिए पंजीकरण (प्रधान डाकघर द्वारा)



सत्यमेव जयते

**Ministry of Information & Broadcasting
Government of India**

6. Registration to Local Cable Operators (LCOs) (by Head Post Office);
7. Permission for operating Internet Protocol Television (IPTV) services;
8. Permission for setting up FM Radio Station and Community Radio Stations (CRS);
9. Registration of Television Rating Points (TRP) Agencies;
10. Permission for temporary uplinking;
11. Permission for uplinking by the Indian News Agency;
12. Renewal of existing permissions;
13. Transfer of permission of television channels;
14. Permission for change in name, language, genre, logo, format of television channels;
15. Permission for change in the teleport, satellite of television channels;
16. Permission for Merger/ De-Merger/ Amalgamation;
17. Action for non-compliance/ breach of terms and conditions of the license;
18. Surrender of license/ permission/ registration;
19. Cancellation/ Revocation of license/ permission/ registration;
20. Release of Bank Guarantees (BGs).

In addition to MIB, these permissions involve clearances from other ministries and departments. This inter-alia includes Ministry of Home Affairs (MHA) for security clearance, Department of Space (DOS) for clearance of satellite use, Wireless Planning and Coordination (WPC) for frequency assignment and National Operations and Control (NOCC) for network clearances. Further, there is requirement of net-worth verification by empaneled auditors of MIB for permission for uplinking and downlinking of TV channels. Additionally, for downlinking permission, the application is forwarded to the Department of Revenue for verification to conclude agreements on advertising, subscription revenue and programme content between the applicant (downlinking) company and the channel owner, in case the two are different entities. ■

7. इंटरनेट प्रोटोकॉल टेलीविजन (आईपीटीवी) सेवाओं के संचालन की अनुमति
8. एफएम रेडियो स्टेशन और सामुदायिक रेडियो स्टेशन (सीआरएस) स्थापित करने की अनुमति
9. टेलीविजन रेटिंग प्वाइंट्स (टीआरपी) एजेंसियों का पंजीकरण
10. अस्थायी अपलिकिंग की अनुमति
11. भारतीय समाचार एजेंसी द्वारा अपलिकिंग की अनुमति
12. मौजूदा अनुमतियों का नवीनीकरण
13. टेलीविजन चैनलों की अनुमति का हस्तांतरण
14. टेलीविजन चैनलों के नाम, भाषा, शैली, लोगो, प्रारूप में परिवर्तन की अनुमति
15. टेलीपोर्ट, टेलीविजन चैनलों के सैटेलाइट में परिवर्तन की अनुमति
16. विलय/डी-विलय/समामेलन की अनुमति
17. अनुज्ञप्ति के नियम व शर्तों का पालन न करने/उल्लंघन करने पर कार्रवाई
18. लाइसेंस/पंजीकरण/अनुमति का अभ्यर्षण
19. लाइसेंस/अनुमति/पंजीकरण रद्द करना/निरस्त करना
20. बैंक गारंटी जारी करना

एमआईवी के अलावा, इन अनुमतियों में अन्य मंत्रालयों और विभागों से मंजूरी शामिल है। इसमें अन्य बातों के साथ-साथ सुरक्षा मंजूरी के लिए गृह मंत्रालय (एमएचए), सैटेलाइट मंजूरी के लिए अंतरिक्ष विभाग (डीओएस), फ्रीक्वेंसी असाइनमेंट के लिए वायरलेस योजना और समन्वय (डब्ल्यूपीसी), और नेटवर्क मंजूरी के लिए राष्ट्रीय संचालन और नियंत्रण (एनओसीसी) शामिल है। इसके अलावा अपलिकिंग की अनुमति के लिए एमआईवी के सूचीबद्ध लेखा परीक्षकों द्वारा नेटवर्थ सत्यापन की आवश्यकता है। इसके अतिरिक्त डाउनलिकिंग अनुमति के लिए आवेदक (डाउनलिकिंग) कंपनी और चैनल के मालिक के बीच विज्ञापन, सब्सक्रिप्शन आय और प्रोग्राम सामग्री पर अनुबंध समाप्त करने के लिए सत्यापन के लिए आवेदन राजस्व विभाग को भेजा जाता है। (यदि दोनों अलग संस्थान हैं) ■

CHANNEL CHANGES

Here are the major changes that have taken place on the various satellites over India in the past month.

IS 20/36 AT 68.5 DEG E

On 6th Zee Family and StarSelect have started on 11170 V, Nagravision. On 11th Shalom TV has left 12682 V. On 23rd Channel 36 UP/UK has started on 4184 V, clear.

INSAT 4A/4B/ GSAT-10 /GSAT- 30 AT 83 DEG E

On 4th Nazara has started on 3925 H, clear; UTV Action has left 11550 H. On 4th Prasar Bharati News Services has started on 3885 V, clear. On 7th News World and Jia News

11510 H, encrypted; Bharat 24 has left.; Star Jalsha has started on 11670 H, Irdeto; DD Rajasthan is now encrypted; Star World HD India and Star Vijay India have left. On 4th Filmchi Bhojpuri, Unique TV, Star Gold Thrills and Azaad TV have started on 11470 V, clear; Ishara Channel, Zing Asia, News 24 and Popcorn Movies have left; Popular TV has started on 11510 V, clear; Zee Hindustan has left; Mh 1 Dil Se, Bansal News, Vedic and Aastha Tamil have started on 11630 V, clear; Samay National, India News

11630 V, clear; Aastha Tamil has left again.

ASIASAT 2/5 AT 100.5 DEG E

On 15th APTN Global Video Wire and APTN Direct have left 4114 H.

ASIASAT 7 AT 105.5 DEG E

On 31st March Cinema Gold has left 3663 V. On 4th UTV Action has left 11520 H.

SES 7/9/TELKOM 4 AT 108 DEG E.

On 4th UTV Action has left 11520 H.



have left 3756 H.

ST1 / ST 2 AT 88 DEG E

On 4th UTV Action has left 11520 H. MEASAT 3B/3D at 91.5 deg E On 4th UTV Action has left 11520 H.

INSAT 4B/3A / GSAT 15 / GSAT 17AT 93.5 DEG E

On 3rd The Dish TV India mux has left 11050 V; Zing Asia, Nazara, Ishara Channel, Abzy Cool and Dil Se Movies have started on 11090 V, clear; DD Retro, DD India, Filmchi Bhojpuri, Abzy Movies and Vedic have left; R Plus, Hollywood Indie and Hollywood Hungama have started on

Uttar Pradesh, RT News and Swaraj Express SMBC have left. On 5th RT News has started on 11550 V, clear; Odisha TV has started on 11630 H, Irdeto. On 8th DD India has replaced DD News on 11090 V, clear; Abzy Movies has replaced Abzy Cool on 11170 V, clear; Sangeet Bhojpuri, Indradhanu TV, Aadinath TV and Sanskriti 24x7 have left 11510 H; DD News has replaced India News on 11510 V, clear. On 9th Music Zone has left 4160 H; Daily Post has replaced 1st India Rajasthan on 4174 H, clear. On 15th Sattva TV has left 4160 H. On 18th Aastha Gujarati and Shradha Mh One have started on

THAICOM 4/ BANGABANDHU 1 AT 119.5 DEG E

On 7th Zee Bangla Cinema International has started on 4655 H, Conax; BTV Chattogram, BTV National, BTV World and Sangshad TV have started on 4660 V, clear.

LAOSAT 1 AT 128.5 DEG E

On 19th Music Bangla has started on 3651 V, clear.

VINASAT 1 AT 132E

On 16th On Sports News has replaced VTV Can Tho on 10968 H, Irdeto.

CHANNEL GUIDE

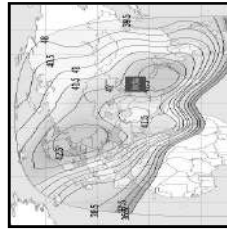
UPDATED AS OF 1ST MAY 2023 FTA = Free To Air • SCR = Scrambled • Radio Channels in Italics

FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
INTELSAT-38/AzerSpace2 at 45.1 deg East: Bom Az 238 EI 51, Bir Az 250 EI 49, Del 232 EI 41, Chennai Az 252 EI 46, Bhopal Az 248 EI 35					
11475 V	Dialog DTH: Star Sports 1, Sony Ten 2, Star Sports Select HD1, Star Sports Select HD2, RugbyPass TV, Sony Six, Discovery HD, World India, Star Movies Select, Animal Planet India, AXN East Asia	32000	2/3	DVB-S2/8PSK	India Beam
11515 V	Dialog DTH: Nickelodeon South East Asia, Baby TV Asia, Disney Junior India, Nick Jr India, Sony BBC Earth, National Geographic Wild Asia, Animal Planet India, Discovery Channel India, Discovery Science India, Tech Storm, TLC India, National Geographic India, History TV 18, Travelxp HD, Travel Channel Asia, Sony Ten 1, Ten Cricket, Sony Ten 2, Eurosport Asia, J Sports, Star Sports 1, Star Sports 2	23700	5/6	DVB-S	India Beam
11555 V	Dialog DTH: Star Gold India, Colors, Star Plus India, Zee TV India, Colors Tamil, Sun TV, KTV, Star Vijay India, Kalaignar TV, Zee Cinema Asia, UTV Movies, B4U Movies India, Zee Tamil, Sriropoli, Zing Asia, DTamil, NHK World Japan, WakuWaku Japan South East Asia, Guru TV, Nenasu TV Sinhala Junior, Nenasu TV Tamil Junior, Nenasu TV Sinhala O/L, Nenasu TV Tamil O/L, Nenasu TV Sinhala A/L, Nenasu TV Tamil A/L	27690	3/5	DVB-S	India Beam
11595 V	Dialog DTH: Channel One, Rupavahini, Channel Eye, ITN, Vasantham TV, TV Derana, Swamavahini, Sirasa TV, Shakthi TV, TV 1, Hiru TV, TNL TV, Art, Ada Derana 24x7, Siyatha TV, Hairitha TV, TV Didula, Ridee TV, Citi Hitz, Supreme TV, Rangiri Sri Lanka TV, UTV HD, Hi TV, Jayamaga TV, The Buddhists TV	27690	5/6	DVB-S	India Beam
11635 V	Dialog DTH: Star Sports Select HD1, Sony Six, FashionTV Asia, Celestial Classic Movies, Star Movies India, HBO Asia, HBO Signature Asia, HBO Hits, HBO Family Asia, Cinemax Asia, & fix, Hits Movies, CinemaxWorld, Sony Pix, Hits, Zee Cafe, Star World India, Warner TV Asia, AXN East Asia, Colors Infinity, Rock Entertainment, Food Network Asia, Fox Life India, Comedy Central India, HGTV Asia, Makeful, SET India, Sony Max India	27690	5/6	Irdeto 2	India Beam
11675 V	Dialog TV: Shradha TV, Damsathara TV, Pragna TV, Swarga TV, NTV News, NTV National, Sagarmatha TV, Colors, Zee TV India, Star Plus HD India, Zee Cinema Asia, Star Gold HD India, ACORAB, Radio Nepalbani, Nepal FM, Thaha Sanchar Network, Ujyaalo 90 Network, Janata Media Radio, BFBS Gurkha Network, Radio Nepal	27690	5/6	DVB-S	India Beam
AMOS 4 at 65 deg East					
10735 V	DishHome DTH Nepal: Avenues-Khabar, News 24, ABC News, Janata TV, Nice TV, Colors, Star Plus India, Zee TV India, SET India, MTV India, Zoom, Zing Asia, Discovery Channel India, Animal Planet India, National Geographic India, TLC India, Sony Pix, Star Movies India, Star Sports Select HD1, Sony Six, Sony Ten 1 HD	45000	1/2	Mpeg 4 Latens, Verimatrix	India Beam
10789 V	DishHome DTH Nepal: Star Gold India, Sony Max India, Zee Cinema Asia, Star Sports 1, Star Sports 1 Hindi, Star Sports Select HD1, Sony Six, Sony Ten 2, Sony Ten 3, CNN International South Asia, BBC World News South Asia, Aljazeera English, CNA, RT News, Zee News, Hungama TV, DishHome Cinema Ghar 888, Star Sports 1, Star Sports 2, Star Sports 1 Hindi, Star Sports Select HD2	45000	1/2	Mpeg 4 Latens, Verimatrix	India Beam
10860 V	DishHome DTH Nepal: DishHome Showcase, Plus Movie, Kantipur TV, Image Channel, NTV National, Sagarmatha TV, Colors, Zee TV India, Star Plus HD India, Zee Cinema Asia, Star Gold HD India, ACORAB, Radio Nepalbani, Nepal FM, Thaha Sanchar Network, Ujyaalo 90 Network, Janata Media Radio, BFBS Gurkha Network, Radio Nepal	45000	1/2	Mpeg 4 Latens, Verimatrix	India Beam
10914 V	DishHome DTH Nepal: DishHome Ramallo, D Movies, NTV Plus, NTV News, Mountain TV, Himalaya TV, AP1 TV, TV Today, TV Filmy, Bhakti Darshan TV, Star Bharat India, Sony SAB TV India, Hi Dosti, KBS World 24, Zee Anmol, Gyandarshan, Colors Cineplex, Star Gold 2, & pictures, B4U Movies India, Dhinchak, Zee Action, Star Utsav Movies, Sony Max 2, MTV Beats, Investigation Discovery India, History TV 18, Discovery Science India, Discovery Turbo India, National Geographic Wild Asia, Luxe TV, Sony BBC Earth, VoA TV Asia, Star Movies India, TRT World, Times Now, News 18, Zee Business, NDTV India, Aaj Tak, Nickelodeon India, BabyFirst TV, Discovery Kids India, Nick Jr India, Disney Channel India, Marvel HQ, Sonic Nickelodeon, Disney Junior India	45000	2/3	Mpeg 4 Latens, Verimatrix	India Beam
11235 V	DishHome DTH Nepal: DishHome Action Sports, Nepa Channel, DishHome Cinema Ghar 108, DishHome Gunjan, DishHome Cine Hits, DishHome Junior, Business Plus, BTV Business, Krishi TV, BM HD, Gorkha TV, & TV, Colors Infinity, Colors Rishley Asia, DD Bharati, Xing Kong International, Aakaash Aath, Anjan TV, Zee Bollywood, Manoranjan TV, Bhojपुरी Cinema, 9XM, 9X Jalwa, Living Foodz, NHK World Japan, TV 5 Monde Asia, DW English, CGTN, Airrang World, Star Sports 3, Star Sports Select HD2, Fight Sports, DD Sports, Peace of Mind TV, Discovery HD World India, Star World HD India, Nepal Radio Network	45000	2/3	Mpeg 4 Latens, Verimatrix	India Beam
11289 V	DishHome DTH Nepal: Sarokar TV, NTV Kohalpur, NTV Itahari, Prime Times, Star Gold Select, DishHome Cinema Ghar 555, Sony Yay!, & TV, & pictures, HBO Signature Asia, HBO Hits, HBO Family Asia, Cinemax Asia, National Geographic India, Zee Café, AP1 TV, Kantipur TV	45000	2/3	Mpeg 4 Latens, Verimatrix	India Beam
11360 V	DishHome TV NEPAL: Star Bharat HD, SET India HD, Sony Max HD, Star Gold Select HD, Sony Ten 2 HD, Sony Ten 3 HD, Animal Planet HD, TLC HD, Comedy Central HD, Disney International HD, VH1 HD, MTV Beats HD, DishHome Ramallo, DishHome Action Sports	45000	2/3	Mpeg 4 Latens, Verimatrix	India Beam
12660 V	DishHome TV NEPAL: Baby TV Asia, Colors Infinity, Colors Cineplex, Nat Geo Wild Asia, Fox Life India, 9XM, Himalaya TV, NTV Plus, BM HD, Plus Movie, DishHome Cine Hits, DishHome Gunjan	45000	2/3	Mpeg 4	India Beam
12714 V	DishHome TV NEPAL: Reality TV, D Movies, Hollywood Hits, K World, Rhymes, Bhojपुरी Magic, Yoho TV, Mega TV, B4U Kadak, House Full Movies, Mastiii	45000	2/3	Mpeg 4	India Beam

CHANNEL GUIDE

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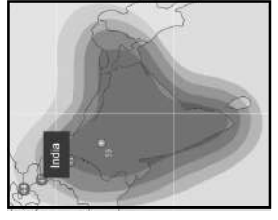
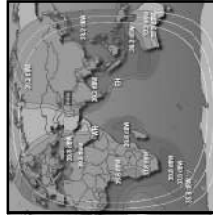
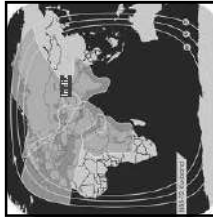
FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
INTELSAT 17 AT 66 Deg E:					
3845 V	Tata: Kalaigal TV, Kalaigal Seithigal, Isai Aruvi, Sirippoli, Chithiram, Kalaigal Murasu TV, Vendhar TV, News 7 Tamil, MK Times, MK Six, Sai TV, Hindu Dharmam, TV 5 Kannada, Malai Murasu TV, Malar TV, News J, Patrika Rajasthan, Sangamam TV, Sariram TV	28800	5/6	Mpeg 2 / Mpeg 4	Landmass beam
3876 H	Indiasign: CVR English, CVR OM Spiritual, Orange Bangla TV, Nireekshana TV, Pasand TV, DA News Plus, Hornbill TV, Madhimugam TV, NK TV 24x7	14300	3/4	Mpeg4 FTA	Landmass beam
3885 V	SUN NW: Sun TV, KTV, Sun News, Sun Music, Gemini TV, Gemini Movies, Gemini Comedy, Udaya TV, Udaya Movies, Surya TV, Surya TV HD, Chutti TV, Kochu TV, Gemini Music, Surya Movies, Gemini Music HD, Gemini Movie HD, Udaya HD, Sun Bangla, Sun Marathi	30000	3/4	Mpeg4 Irdeto 2	Landmass beam
3894 H	Indiasign: HMTV, Aradhana TV, T News, MBC TV, Calvary TV, Prarthana Bhawan TV, 7 S Music, ABN, V6 News, CVR News, Mercy TV (India), FM News, CVR Health, Inews, 10TV, 1 Sports	13840	5/6	DVB S2 Mpeg 4	Landmass beam
3914 H	New Delhi TV: NDTV 24x7, NDTV India, NDTV Profit, NDTV Prime, NDTV Good Times	11200	3/4	Mpeg4 Irdeto 2	Landmass beam
3925 V	Sun TV NW: Kushi TV, Udaya Music, Chintu TV, Adithya TV, Udaya Comedy, Surya Comedy Surya Music, Sun Life, Gemini Life, Sun TV HD, KTV HD, Sun Music HD, Gemini TV HD	30000	3/4	Mpeg 4	Landmass beam
3932 H	Indo Teleports: Peppers TV, Maha Punjabi, Total TV, Hanayana, Chardikla Time TV, Enterr10 Bangla, Enterr 10	18330	2/3	DVB S2	Landmass beam
3966 H	Thanthi TV, Janam TV, Jothi TV, Nambikkal TV, News Tamil 24x7	14400	2/3	MPEG-4/SD	Landmass beam
3984 H	VoA TV Global HD, VoA TV Indian Ocean HD, VoA TV China HD, VoA TV Africa HD, God TV Asia, Colors Mena HD (scr) Planetcast: Shalom TV India, Media One, Kaumudy TV, Powervision TV, Sathiyam TV, Dheeran TV, Harvest TV 24x7, Safari, Aashirwad, Darshana TV Middle East, Dignivjay News 24x7, Tunes 6 Music, Velicham TV, Studio One +, Samachar Plus 24x7, Reporter	14400	3/4	DVB-S2 Mpeg4	Landmass beam
4015 V	Tata: Angel TV India, Captain TV, Imayam TV, Madha TV, Makkal TV, Kairali Channel, We, Moon TV, Puthiya Thalaimurai, Sankara TV, Subhavartha TV, Tamilan TV, Vasanth TV, Win TV, Polimer, Public TV, Captain News, TV5 News, Polimer News, MK TV, Public Music TV, Kairali Arabia, Public Movies, Mathrubhumi News, Kappa TV	30000	3/4	Mpeg 4	Landmass beam
4024 H	PlanetCast: Vijay TV, Asianet News, Asianet ME, Suvarna News, Amrita TV, Goodness TV, Jaihind TV, Jeevan TV, Manorama News Intl., 24 News, Flowers TV (scr), Sakhi TV	14400	2/3	Mpeg 4	Landmass beam
INTELSAT 20 / 36 at 68.50 deg E: Bom Az 193 El 67, Bir Az 215 El 71, Del 197 El 55, Chennai Az 222 El 69, Bhopal Az 202 El 61 Cal Az 223 El 55					
3715 V	KBS Korea	2800	2/3	Mpeg4	C Beam
3723 V	Indiasign: TV 9 Telugu, TV 9 Kannada, TV 9 Marathi, TV 9 Gujarati, TV 9 Bharatvarsh, Mahaa News Discovery Networks India: Discovery Channel India, DTamil, Animal Planet India, Investigation Discovery India, Investigation Discovery India, Discovery Science India, Discovery Turbo India, TLC India, Discovery HD World India, Discovery Kids India, TLC HD India, Animal Planet HD World India	9600	3/4	Mpeg 4 DVB S2	C Beam
3739 H	Discovery Networks India, Discovery Science India, Discovery Turbo India, TLC India, Discovery HD World India, Discovery Kids India, TLC HD India, Animal Planet HD World India	30000	3/4	Mpeg4 PowerVu	C Beam
3769 V	Aastha TV, Aarohant TV, Aastha Tamil, Aastha Telugu, Aastha Kannada	7200	3/4	Mpeg 4	C Beam
3774 V	Aastha TV	2940	3/4	FTA	C Beam
3777 V	Aastha Bhajan, Vedic TV	2940	3/4	FTA	C Beam
3782 V	CGN TV	2965	3/4	FTA	C Beam
3788 V	J Movies	4400	2/3	Mpeg4 Irdeto2	C Beam
3795 H	Times Group: Times Now, Zoom, ET Now, Movies Now, Movies Now+ HD, Romedu Now, Mirror Now, Times Now World HD, MNX HD, Movies Now HD, Romedu Now HD, MNX, ET Now Swadesh, Times Now Navbharat	30000	3/4	Mpeg4 Irdeto	C Beam
3795 V	Ariqang World HD	5580	2/3	DVB S2 Mpeg 4	C Beam
3828 V	Indo teleports: Jan TV, Khabar Fast, Pratinid Time, GS TV, Jan TV + (scr), Maha Movies, Fakt Marathi	7200	3/4	FTA Irdeto	C Beam
3850 V	Viacom 18: Colors Marathi HD, Colors Bangla HD, Colors Kannada HD, Colors Super HD, Comedy Central India, MTV Beats	14400	8/9	Mpeg4 Irdeto2	C Beam
3868 H	Sports Inspires Life: Sony Ten 1 to 4, Sony Marathi	14450	3/4	Mpeg 4	C Beam
3868 V	Vaa Movies, True Sports TV, Cinema TV, Naaptol Tamil, Naaptol Kannada, MTV Beats HD (scr), Colors Cineplex HD (scr) Daystar TV	14400	2/3	Mpeg4	C Beam
3890 V	Sony Pictures Networks India: Sony SAB TV India, Sony Pix, Sony Aath, Sony Six, Sony Max India, Sony Max 2, SET India	1954	5/6	FTA	C Beam
3900 H	KBS World HD	22222	5/6	Mpeg 4	C Beam
3913 V	India TV	6510	3/4	Mpeg 4 / Xcrypt	C Beam
3922 V	Sports Inspires Life: Sony Six HD, Sony Ten 2 HD, Sony Ten 3 HD, Ten Cricket HD	7000	5/6	Mpeg 4 Irdeto	C Beam
3930 H	Zee Turner: Pogo, CNN, Inl S, Asia, Cartoon Network Pakistan, Cartoon Network India	25000	2/3	Mpeg 4	C Beam
3974 H	Zee NW: Zee Talkies HD, Zee Bangla HD, Zee Tamil HD, Zee Kerala HD, Zee Cinemalu HD, Zee Chitramandir	19500	3/4	PowerVu	C Beam
3974 V	Viacom 18: MTV India, Colors Rishtey Asia, Colors Asia Pacific	22500	5/6	Mpeg 4 Conax	C Beam
3993 H	Sun 18 Middle Services: CNBC TV 18, CNBC Awaaz, News 18 Lokmat, CNBC Bajar, CNBC TV 18 Prime HD & TV Middle East, Zee Zest	4000	2/3	Mpeg4, Irdeto	C Beam
3995 V	Lamhas: Shubh TV, Abzy Movies, Sandesh News, Shubh Cinema, Abzy Cool, Abzy Dhakad, InSync	6666	3/4	Mpeg4, Irdeto	C Beam
4000 H	Indiasign: News Time Bangla, Rupashi Bangla, Aakash Aath, Dhoom Music, R Plus, NewsTime Assam, Manoranjan Movies, R+ Gold	7500	3/4	Mpeg4 DVB S2	C Beam
4003 V		7200	3/4	Mpeg4 DVB S2	C Beam
4013 H		7200	3/4	Mpeg 4 DVB S2	C Beam



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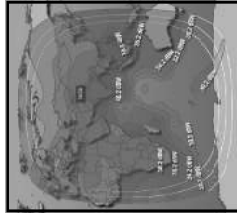
FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
4034 H	SUN 18: MTV India, Colors, Colors Rightey Asia, Colors Cineplex, Nick Jr India, Colors Kannada Cinema, Colors Tamil HD, Colors Tamil, Colors HD, Colors Cineplex, Nickelodeon India	20500	2/3	Mpeg4, Irdeeto 2	PAL
4034 V	Network 18: History TV 18, CNBC TV 18 Prime HD, History TV 18, News 18 Malayalam, Sonic Nickelodeon, News 18 Tamil, CNBC Bajaj, News 18 Assam & North-East, News 18 India, MTV HD+	21600	5/6	Mpeg4	C Beam
4054 V	Ariang World	4400	3/4	FTA	C Beam
4059 V	CTS (South Korea)	3529	3/4	FTA	C Beam
4064 H	Aljazeera English, CNBC Asia-Pacific, CGTN, EWTN Africa - Asia, ABC Australia Asia, BBC World News South Asia, Radio Australia English for the Pacific, Radio Australia English for Asia, EWTN Radio	19850	7/8	Irdeeto 2	C Beam
4064 V	Sanskar TV, Satsang TV	4400	3/4	FTA	C Beam
4069 V	Hope Channel International	2500	2/3	FTA	C Beam
4076 V	TRT World HD	3906	5/6	FTA HD	C Beam
4083 V	<i>China Radio International</i>	3428	3/4	FTA	C Beam
4090 H	Travel XP HD(scr), Kashish News, Taaza TV, STV Haryana News, Travel XP Tamil (scr), Sangeet Marathi, VTV News, Travel XP HD (scr), Hi Dosti, Bangla Talkies, Foodxp, Bhojपुरi Cinema	14368	3/4	MPEG4	C Beam
4092 V	YTN World	2963	3/4	FTA	C Beam
4103 H	CNN News 18, News 18 UK	5720	3/4	Conax, Irdeeto 2	C Beam
4116 V	IndiaSign: PTC News, PTC Punjabi, PTC Chakde, PTC Punjabi Gold, Oscar Movies Bhojपुरi, PTC Simran, PTC Music	8800	5/6	DVB S2 Mpeg 4	C Beam
4124 H	NHK World Network: NHK World Japan, NHK World Premium, NHK World Japan Radio	22193	3/5	MPEG-4	C Beam
4130 V	Jaya TV HD, Jaya Plus, Java Max	12800	3/4	MPEG-4	C Beam
4150 H	Urdu 1 ME (scr), Peace TV Urdu, Peace TV English, Peace TV Bangla, Peace TV Chinese, Huda TV, I Plus TV	14400	3/4	FTA / Irdeeto 2	C Beam
4155 V	Zee Cinema HD, Zee TV HD, Zee Anmol, & Pictures HD, Zee Marathi HD, Zee Telugu HD, Zee Kannada HD	22500	5/6	Mpeg 4	C Beam
4163 H	WION, EZ Mall, Zee Kalak, Zee Salaam, Zee UP / Uttarakhand	7500	5/6	Mpeg 4 Conax	C Beam
4182 H	Aaj Tak India Today, Good News Today, Aaj Tak International, India Today International, Aaj Tak UK, Aaj Tak Planetcast, Sahana News, News 1st (India), News India 24x7, Anjan TV, Food Food, 1 Yes News, Q Marathi, Janta TV, Swadesh News, India Ahead, Aadinath TV, Republic TV, Harvest TV Kerala, Jai Maharashtra, Republic Bangla, 1st India, Bharat 24, Super TV (India), OK India	16296	3/4	Irdeeto-2	C Beam
4184 V	Sky News International	21600	5/6	FTA Mpeg4	C Beam
4195 H	Sky News International	4000	1/2	PowerVu	C Beam
GSAT-18 at 74 Deg East Boin Az 173 El 73, Blr Az 191 El 74, Del Az 184 El 56, Chennai Az 202 El 73, Bhopal Az 186 El 62, Cal Az 212 El 59					
3777 H	DD Sports, DD Retro, DD Kisan	4000	3/4	Mpeg 4 BISS	India Beam
3782 H	DD National, DD News, DD Retro, DD Sports	2000	3/4	Mpeg 4 BISS	India Beam
11578 H	Utkarsh Channel 4, Utkarsh Channel 1, Utkarsh Channel 2, Utkarsh Channel 3	5000	3/4	Mpeg 2 FTA	India Beam
11667 V	KITE VICTERS: KITE VICTERS Plus, KITE VICTERS	2000	3/4	Mpeg2 FTA	India Beam
11681 V	VTU	2966	3/4	Mpeg 2 FTA	India Beam
11686 V	Lokshiksha Sanchar	2900	3/4	Mpeg 2 FTA	India Beam
ABS 2 at 75 deg E: Bom Az 173 El 73, Blr Az 191 El 74, Del Az 184 El 56, Chennai Az 202 El 73, Bhopal Az 186 El 62, Cal Az 212 El 59					
3606 V	AP1 TV	2707	5/6	DVB-S2	Global Beam
12524 H	Supreme Master TV, TBN Inspire International, SBN International, TBN Asia, Daystar TV, Hwazan Satellite TV	30000	1/2	FTA	India Beam
APSTAR 7 at 76.5 deg E: Bom Az 168 El 67, Blr Az 184 El 74, Del 181 El 56, Chennai Az 196 El 73, Bhopal Az 183 El 63, Cal Az 209 El 60					
3634 H	Kantipur Media Group, Kantipur TV, Kantipur Cineplex	6000	3/5	DVB-S28PSK	Asia Beam
3642 H	Image Channel	3200	3/5	MPEG-4/SD	Asia Beam
3705 H	NTV Itahari	4166	3/5	MPEG-4/HD	Asia Beam
3710 H	NTV Kohalpur	4166	3/5	MPEG-4/HD	Asia Beam
3720 H	Nepal TV: NTV Plus, NTV News, NTV National	12500	3/5	MPEG-4/HD	Asia Beam
3745 V	TeleNet: Metro 1 News, VSH News, Special TV	5000	3/5	MPEG-4/HD	Asia Beam
3753 H	KidZone+ Pakistan, Pop Pakistan, Planet Fun, Insight TV	8330	3/5	Mpeg 4	Asia Beam
3780 V	APT1 Sports, Zorins TV, Raajje TV, Macau Lotus TV, Eurosport Asia, Eurosport Asia, FashionTV India	30000	3/4	Mpeg4	Asia Beam
3788 H	Telefilm: CTN (USA), The World Network, SBN International, The Overcomer	10700	1/2	MPEG-4/SD	Asia Beam
3844 V	Trinity Broadcasting, TBN Asia, TBN Inspire International, Telenovela Channel, 702 DZAS, The Edge Philippines	4000	3/4	DVB-S2QPSK	C Beam
3857 V	GMA Network: Pinoy TV Asia-Pacific, GMA Life TV, GMS Pinoy TV Middle East, GMA News TV, DZBB 594 Super Radyo, Barangay LS 97.1	5925	2/3	Mpeg4 PowerVu	Asia Beam
3873 V	Bol News HD, Bol Entertainment HD	8000	3/5	Mpeg 4 HD FTA	C Beam
3920 H	SPE Networks Asia: AXN Taiwan HD, Animax Asia HD, AXN East Asia HD, AXN Philippines, Gem TV, Animax Taiwan, Animax Philippines	28340	5/6	Mpeg 4	Asia Beam
3960 H	HBO: HBO Asia, Cinemax Asia, Cinemax Asia, Cinemax Asia, HBO Taiwan	30000	3/4	Mpeg 4	Asia Beam
4000 H	A1 Telekom Austria: Babyfirst TV, MyZen TV, Trace Sport Stars, Mezzo Live HD, Trace Urban Southeast Asia, Star Sports				



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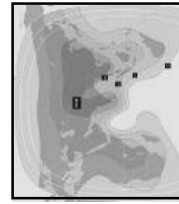
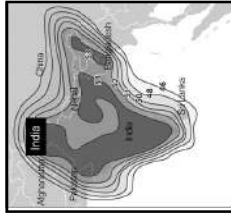
FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
4006 V	China, Star Sports 2 China	30000	3/4	MPEG-4	C Beam
4006 V	PSM- TV, Maldives HD, PSM News, Munnaru, YES TV HD	8800	3/5	MPEG-4/HD	C Beam
4030 V	Capital TV HD (Pakistan)	2400	3/5	FTA	Asia Beam
4080 H	STAR TV Star Movies China, Star TV Channel International, Star Chinese Movies South East Asia, National Geographic Asia, National Geographic Wild Asia	30000	3/4	MPEG-4/HD	Asia Beam
4087 V	Zee Network, Zee Cafe HD, Zee Biskope 2	5600	5/6	Mpeg4 Conax	Asia Beam
GSAT 10/GSAT 30 at 83 deg E: Bom Az 151 El 64, Bir Az 157 El 73, Del Az 168 El 55, Chennai Az 168 El 74, Bhopal Az 166 El 62 Cal Az 194 El 63					
3725 H	ETV NW: News 18 Madhya Pradesh & Chhattisgarh, News 18 Rajasthan, News 18 Bihar & Jharkhand, News 18 Urdu, News 18 Gujarati, News 18 Odia, Colors Bangla, Colors Marathi, Colors Kannada, Colors Infinity, VH1 India, Colors Cineplex, Colors Infinity, Colors Gujarati Cinema, Colors Bangla Cinema, Nick HD+, MTV Beats, Colors Cineplex, VH1 India, Colors Odia, Colors Gujarati	30000	3/4	Mpeg 4 Irdeto	India C Beam
3750 V	DD Uttarakhhand	2900	3/4	FTA	India C Beam
3753 V	DD Chhattisgarh	2900	3/4	FTA	India C Beam
3756 H	Indiasign: Manoranjan Prime, Sidharth TV, Sidharth Gold, Sidharth Bhakti, Jay Jagannath, A1 TV, 4TV News, News World, Tribe TV, Raftaar Media, Popular TV (India), Jia News, Shubhsandesh TV, Goodnews TV (India), Samachar Plus UK, Samachar Plus Rajasthan	15000	5/6	MPEG-4/SD	ECC
3757 V	DD Jharkhand	2900	3/4	fta	India C Beam
3768 H	SVBC, SVBC Telugu, SVBC 2 Tamil, SVBC 3 Kannada, SVBC 4 Hindi	3000	3/4	Mpeg 4	ECC
3769 V	DD Haryana	3000	3/4	FTA	India C Beam
3776 H	Ishwar Bhakti TV, Rongeen TV, Manoranjan Grand, Manoranjan TV, Nandighosha TV, News Daily 24, 6 TV Telugu, Popular TV, Sanskriti 24x7, Fateh TV, Channel Divya, Nepal 1, Enterr 10 Movies, Dargal TV, Khushboo TV Bangla, Kalinga TV Nation First, Hindi Khabar, Dillagi, Naaptol Telugu, Rose TV, Pitaara, Bharat Samachar, R9 TV, Sudarshan News, Khabrain Abhi Tak, INH 24x7, Prajaa TV Kannada, Saam TV, Channel 36 UP/UK, Music India, Sangeet Bangla, Sangeet Bhojपुरi, 9XM, 9X Jhakaas, Mastiii, Naaptol Tamil, Naaptol Malayalam, Naaptol Kannada, Wow Cinema One, Cinema TV (India), News 11, Channel WIN, Jivanti Channel, Ind 24, Dhamaal, Maiboli, Dabangg, 9X Jalwa, B4U Kadak, Network 10, Sadhna Bhakti, Shemaroo TV, Puthuyugam TV, Argus News, Gujarat 1st, IBC Tamil TV	11250	5/6	FTA	ECC
3831 V	Gyandharra, Gyandarshan	7200	3/4	FTA	India C Beam
3839 H	Indiasign: AMV Network, Sambhav TV, TV 27 News, Phaugaa TV	3750	3/4	MPEG-4/SD	India C Beam
3847 H	Prameya News 7	1500	3/4	MPEG-4/SD	India C Beam
3852 H	Swadesh News, Bharat Today, News State BH & JH, News State MH & GA, News State Rajasthan	3600	5/6	MPEG-4/SD	India C Beam
3861 V	Kanak News, Manjari, Anadi TV	3974	3/5	FTA	India C Beam
3863 H	Kashturi TV, Kashturi News 24, Kashturi Gold	6920	3/4	FTA	India C Beam
3870 H	Mega TV Network: Mega TV (India), Mega 24, Mega Musiq	5000	5/6	MPEG-4	India C Beam
3874 H	Prag News, Rengoni, News X World	2400	3/4	FTA	India C Beam
3883 H	Sakshi TV	4440	3/4	FTA	India C Beam
3885 V	Doordarshan, DD National, DD Bharati, DD Kisan, DD Urdu, DD Sports, Rajya Sabha TV, DD National HD, DD News, DD India	30000	3/4	FTA	India C Beam
3887 H	CTVN AKD Plus, AKD Calcutta News, CN Rashtriya	3663	5/6	Mpeg 4 FTA	ECC
3892 H	Vanitha TV	3300	3/4	FTA	India C Beam
3896 H	Planetcast: NTV India, Bhakti TV	6800	3/4	FTA	India C Beam
3925 H	Planetcast : Kerala Vision, The Q India, Shemaroo Marathi Bana, Sarv Dharam Sangam, Prime News, MKN Marathi, B4U Bhojपुरi, K News India, Epic TV, Shree Navgran Channel, Hope Channel India, Aaseevatham TV, Sirikannada, Vaanavi TV, Dhinchaak 2, Republic Bharat, Non Stop Samachar India tests, LoveWorld India, Disha TV, ANB News, Drinchaak, Thendral TV, Subharti TV, ShowBox, News 1 India, Filamchi, Ishara TV, Gubbare, Dum TV Kannada, Enterr 10 Rangeela Studio Yuva, TV 9 Bangla, TV 9 Tamil, IBC 24, 9X Tashan, Azaad TV, News Nation, Jantantira TV, News State MP & CHG, News State UP & UK	28500	5/6	FTA Mpeg4	India C Beam
3949 H	Brahmaputra Teje Productions, DY 365 Nagaland TV, Jonack	3673	3/4	MPEG4 FTA	India C Beam
3954 V	Subhavartha TV, Nambikkai TV, Shalini TV, Imayam TV, Ayush TV	11572	2/3	MPEG4 FTA	India C Beam
3956 H	Total TV Haryana, BTV News, Lotus News, TV 100, India Voice, Studio One Plus, Care World TV, Sadhana Plus, 99 TV, Shekinah TV, Swaraj Express SMBC, Jehovah TV, TV 100 National, Paras Gold, APN, Kaatyayani TV, Swatantra TV	9500	7/8	(MPEG 4) FTA	India C Beam
3976 H	Zee Punjabi, Zee Vajwa	3300	7/8	Mpeg 4 Conax	India C Beam
3981 H	Taaza TV, Bflix Movies, Hare Krishna TV, Studio N News	4216	5/6	Mpeg 4	India C Beam
4005 H	ETV: ETV Telugu, ETV Bal Bharat English, ETV Bal Bharat Hindi, ETV Bal Bharat Punjabi, ETV Bal Bharat Marathi, ETV Bal Bharat Gujarati, ETV Bal Bharat Telugu, ETV Andhra Pradesh, ETV Bala Bharat Malayalam, ETV Bal Bharat Kannada, ETV Bala Bharat Tamil, ETV Balya Bharat Bangla, ETV Telangana, ETV Cinema, ETV Plus, ETV Life, ETV Abhiruchi, ETV Cinema, ETV Plus, ETV Bal Bharat, ETV Bal Bharat Odia, ETV Balya Bharat Assamese	26666	3/4	(MPEG 4) Irdeto 2	India C Beam
4030 H	MH1 Prime, MH1 Music, Shraddha Mh One, Mh 1 Dii Se	4440	3/4	MPEG 4 FTA	Wide Beam



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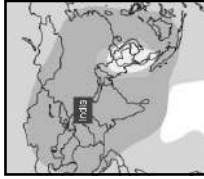
FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
4040H	Zee Network. Zee Picchar. Zee Thirai. Zee Sarthak	7500	3/4	MPEG 4 FTA	Wide Beam
4054 H	LAMHAS:Bansal News, Navatra News, Mantavya 24x7 News, MoviePlus, Munsif TV, Belle Belle, Sharnam TV, News Bartaman 24x7, Peace of Mind TV, Gangaur TV, GS TV (India), M Tunes +, iLove, Atrangi, Tehzeeb TV, Santvani Channel	13230	3/4	FTA	India C Beam
4071 H	Sun 18 Media Services: News 18 UP & Uttarakhnad, TopperTV(scr), News18 Gujrati, News18 Bengali, News18 Kannada, News18 Punjabi Haryana & HP	7200	3/4	FTA / Irdeito	India C Beam
4073 V	Tarung TV, Tarang Music, Odisha TV, Prarthana TV, Alankar TV	9600	3/4	MPEG-4/SD	India C Beam
4077 H	Sarva Samachar	4800	3/4	Mpeg4 FTA	ECC
4090 H	Zee Hindustan. Zee 24 Ghanta. Zee 24 Taas. Zee Delhi NCR Haryana. Zee Bihar Jharkhand	7500	7/8	FTA / Conax	India C Beam
4100 H	BBS TV, BBS Channel 2, BBS Radio 1, Kuzoo FM 105	4750	3/4	MPEG 4 / FTA	India C Beam
4114 H	Manorama News: Manorama News Central, Manorama News North, Mazhavil Manorama HD, Mazhavil Manorama	8000	3/4	MPEG 4 / FTA	India C Beam
4133 H	BAG Network 24: News 24, E24, Pratham Khabar 24x7, JK 24x7 News, Darshan 24, News 24 MP & Chhattisgarh, Assam Talks, Anyan TV, National	11888	3/4	FTA / Irdeito 2	India C Beam
4156 H	Zee Network: &Flix HD (scr), Zee Kannada (scr), Zee Telugu(scr), Zee Talkies (scr)	15000	7/8	FTA / Conax	India C Beam
4170 H	Sansad TV	4650	3/4	FTA	India C Beam
4181 H	Kolkata TV	3232	3/4	FTA	India C Beam
10970 H	TataSky: Zee Zest, Star Bharat India, Kairali News, Star Movies Select, Star Suvarna, Zee Kannada, Cartoon Network India, Gemini Movies, KTV, Colors Marathi, UTV HD, Jaya TV, Raj News Kannada, Kairali TV, News 18 Malayalam, Ayush TV, Prarthana Bhawan TV, Colors Kannada Cinema	32720	3/4	Videoguard Mpeg4/HD	India Ku Beam
10970 V	TataSky: DD News, Subhavaartha TV, Gyandarsan, DD Arun Prabha, Mirror Now, News State UP & UK, Star Bharat India, India Ahead, Network 10, Makkal TV, News 24 MP & Chhattisgarh, Raj Musix Tamil, DD Rajasthan, Eurosport India, RT News, Jeevan TV, Raj Musix Malayalam, Nambikkai TV, Hindi Khabar, CNA, Vedic, News 18 Jammu, DW English, DD Meghalaya, Shradha Mh One, DD Girnar, Patrika Rajasthan, DD Andaman and Nicobar, 1st India Rajasthan, @ Tata Sky Smart Games	32720	3/4	Mpeg 4 Videoguard	India Ku Beam
11010 H	TataSky: Zee 24 Kalak, Animal Planet India, Argus News, Khushboo TV Bangla, Vendar TV, B4U Bhojपुर, Sandesh News, Zee Rajasthan, Tata Play Astro Duniya, News 18 Bihar & Jharkhand, Rengoni, Zee 24 Ghanta, News 18 Gujarati, Zee TV, India +1, Sony Ten 1, Colors:Gujarati, We Sakshi TV, Udaya TV, Tata Play Theatre, Sun Music, Colors Tamil, Good News Today, T News, Chintu TV, Sripolli, Jothi TV, Hindu Dharmam, Tata Play JEE Prep, Zee Bihar Jharkhand, Prag News, Jaya Max, Star Movies India	32720	3/4	Mpeg 4 Videoguard	India Ku Beam
11010 V	TataSky: Tata Play Comedy Saam TV, Sony Ten 4, History TV 18, Star Sports Select HD1, Showcase HD 1, Maha Movie, Sony BBC Earth, Star Gold Select, ETV Abhiruchi, Colors Bangla Cinema, Dargal 2, & pictures, & TV, Times Now World, Star Utsav Movies, Zee Anmol Cinema, B4U Movies India, Colors:Cineplex, Sony Mah, Star Gold Select, Samay UP/UK	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
11050 H	TataSky: B4U Kadak, VTV News, News 18 Tamil, Alankar TV, VH1 India, Tarang TV, Thanthi TV, Jalsha Movies, Zee Telugu, Aasha Bhejan India, Zee Cinema Asia, Zee Cinema Asia +1, Isai Aruvi, Zee Tamil, MTV India, Punjabi Hits, Vijay TV, Tata Play Hits, Zee Talkies, Sun Life, Tata Play Classroom	32720	3/4	Mpeg4 HD Videoguard	India Ku Beam
11050 V	TataSky: News 18 Kannada, SVBC Telugu, News X, God TV Asia, SVBC Telugu, SVBC Telugu, ABC Australia India, National Geographic India, Star Sports 2, Bharat 24, EZMail, News Hour, DD Manipur, Eurosport India, Har Khabar, Star Kiran, Investigation Discovery India, Discovery Channel India, Zee Ganga, Star World India, Romydy Now, 1 Sports, & privé HD, Discovery HD World India, DD Bihar, Tata Play English, Today's Special, Tata Play English	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
11090 H	TataSky: Janam TV, Curiosity Channel, B4U Music India, Asianet News, Colors Odia, Dighvijay News 24x7, Paras Gold, Colors Bangla, Movies Now, DY 365, J Movie, Raj News Telugu, CBeebies Asia, Cinema TV, Sun Bangla, Tata Play Videshi Kahaniyan, Udaya Comedy Zee Sarthak, Nandighosha TV, Siri Kannada, MTV India, Zee Punjabi, E 24, Safari, IBC 24, Zee Zest, ETV Telangana, Tarang Music, Peace of Mind TV, Tata Play Punjab De Rang, DTamil, Jivvani Channel, 10 TV, ABN, CNBC TV 18, Tata Play Malayalam Cinema, Tata Play Smart Manager, Comedy Central India, Sadhna TV, Sports 18 1, Tata Play Vedic Maths	32720	3/4	Mpeg 4 Videoguard	India Ku Beam
11090 V	TataSky: Sony Ten 1 HD, Colors Kannada, Star World HD India, Sony Max India, Sony Ten 2, Sony Ten 3, Sony Pix, Sony Six, Star Movies HD India, Asianet HD, MTV Beats	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
11130 H	TataSky: DD News, TataSky Cooking, NDTV India, Prag News, Discovery India, Sony Ten 2, Movies Now, 9xm, Zee Salaam, News 18, News Live, DY 365, Sony Ten 1, CNBC Awaz, Disha TV, 9X Tashan, Star Suvarna Plus, Disney Junior, India News Haryana, Gemini Life, Sun Life, B4U Music, Dargal TV, Ramdhenu, Shop CJ, Zee Talkies, Gemini Comedy, NTV, India News, AXN India, Sony ESPN, Public TV, Colors Infinity, Channel NewsAsia, Zing Asia, News18 Lokmat	32720	3/4	Mpeg 4 Videoguard	India Ku Beam
11130 V	Zee MP & CHG, DD Assam, Zee UP/UK, Discovery Turbo India, Bansal News, News India 24x7, Ruposhi Bangla, Janta TV, Kaumudy TV, Khabrain Abhi Tak, Animal Planet India, Vissa, T-Sat Nipuna, Gulistan News, Movies Now, Colors Cineplex Bollywood, NDTV Profit, NDTV Prime, Disney Channel India, Northeast Live, Tata Play Bollywood Premiere, Rang, Fashion TV India, India Voice, INH 24x7, Raj Musix Kannada, CNBC Bajar, Sangeet Marathi, Sudarshan News, Tata Play South Talks, News Time Bangla, News State MP & CHG, CTVN AKD Plus, TLC HD India, National Geographic Wild Asia	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
11170 H	TataSky: Zee News, Zee Business, Hungama TV, Disney India, Star Sports 1 Hindi, PTC Punjabi, Star Sports 1 Tamil, Star Sports 1, PTV Punjabi, Khushi TV, Sony Ten3, Colors Bangla, Colors Kannada, ABP Majha, AajTak, VH1 HD, E24, Nickelodeon India, Epic HD, Star Sports Select HD2, Dance Studio, Colors Marathi, Jalsha Movies, Star Pravah	32720	2/3	Mpeg 4 Videoguard	India Ku Beam



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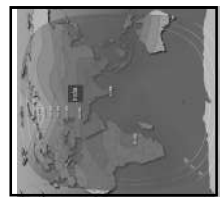
FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
11170 V	TataSky:DD MP, Star Sports Select HD2, PTC Music, Nick HD+, India News Puniab, DD Kshir, Movies Now +, ABP Sanjha, News Tamil 24x7, ET Now, Swadesh, Hornbill TV, Jan TV, Prime News, Pasand TV, Khabar, Fast, Star Sports 1, Bangla, Times Now Navbharat, Harvest TV 24x7, Zee Cafe, Mazhavil Manorama, Tata Play Theatre, Fox Life India, Raj, Musix, Telugu, News 18, MP & CGH, MNX, Tata Play Fun Learn	32720	2/3	Mpeg4 Videoguard	India Ku Beam
11470 H	Adithya TV, Sakshi TV, Udaya News, Mazhavil Manorama, Polymer, Asianet News, Wow Movies & Music, Puthiya Thalaimurai, TV 5 News, Isai Aruvi, Chutti TV, Star Maa Music, Thanthi TV, Asianet Plus, Asianet Movies, Channel 100, Kochu TV, Romyedy Now HD, Star Maa Movies HD, AXN India HD, Surya TV, Romyedy Now, Zee Sarthak TV, Prarthana TV, Times Now, CNN News 18, Star World, India Voice, Channel 100	32720	5/6	Mpeg4 Videoguard	India Ku Beam
11470 V	TataSky: Star Sports Select HD1, Star Sports Select HD2, DD Uttar Pradesh, Times Now Navbharat, ET Now, A1 TV, SriKannada, Shradha Mh One, Tata Play Aradhana, Sidharth TV, Tata Play Music+, Tata Play ShortsTV, Tata Play Ibaadat, Sansad TV, Sansad TV, Tata Play Fitness, Anaadi TV, Tata Play Classic Cinema, France 24 English, News T1, Sony BBC Earth, Sadhna News TV, India News Rajasthan, India News Haryana, Colors Infinity, India News MP/CGH, ABP Ganga, Kappa TV, CNBC TV 18, Prime HD	32720	3/4	Mpeg 4 Videoguard	India Ku Beam
11510 H	TataSky: MTV Beats, Jaya TV, BBC World News, Zee Marathi, Sun Music, Zee Bangla Cinema, Food Food, Maa Movies, Star Suvarna, Zee Kannada, Aakash Aath, ABP Ananda, Sun News, Surya Movies, Kalainagar, Star Vijay, Aath, Channel 100, Suvarna News, Zee 24 Ghanta, Aljazeera, Asianet, Zee Delhi NCR Haryana, Zee Tamizh, Maa Gold, Bhakthi TV, Shradha Mh1, ETV Bihar, Peace of Mind TV, NDTV 24x7, India Today, Gemini TV, ETV telugu, News Nation, Channel 100, Home Shop 18, Zee Rajasthan, Zee 24 Taas, CNN International, Gemini Music, Rang, Pratinid Time, Republic TV, TataSky Marathi Cinema, Today's Special	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
11510 V	TataSky: Zee Zest, Sony SAB TV India, APN, Ishara Channel, Naaptol, Puniabi Hits, Sharnam TV, India News Gujarati, Pravah Picture, Kalaignar Seithigal, NDTV Good Times, SET India +1, Ramdhenu, Sony Max India +1, Zee Cafe, Zee TV India +1, Travelxp HD, Disney International HD, Baby TV Asia, Fox Life India, DD Yadagiri, Samay National, Jainhind TV, Colors +1, Mh 1 News, ETV Bal Bharat	32720	3/4	Mpeg 4 Videoguard	India Beam
11550 H	TataSky: History TV18, UTV Movies, UTV Action, Star Gold India, Zee Bollywood, Tata Sky Kids Cinema, Topper TV, NGC, Disney XD, Sony Max, Discovery Kids SEAsia, Movies OK, Zee Cinema Asia, Tata Sky Classic Cinema, & Pictures, Zee Action, Sony BBC Earth, India Ahead, Tata Sky Bollywood Premiere, TataSky Bollywood Premiere HD, Star Movies Select HD, Comedy Central India HD, Colors Infinity, DD News HD, @ Tata Sky Smart Games	32720	2/3	Videoguard	India Ku Beam
11550 V	TataSky: Zeelex Screen 2, Prime News, Zee Anmol, Zee TV India, Channel 100 Platinum, Channel 100 Gold, Channel 100, Showcase 1, Star Suvarna, Channel 100, Star Plus India, Channel 100 Gold, Hungama TV, Discovery Kids India, Star Sports 1, Channel 100, Channel 100 Gold, Marvel HQ, Channel 100 Gold, Sonic Nickelodeon, Colors, Star Sports 1 Hindi, SET India, Channel 100 Gold, Star Pravah, Channel 100, Tata Sky Videoshala, Sony SAB TV India, Channel 100 Gold, Tata Sky Bangla Cinema	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
11590 H	TataSky: Star Plus, Star Bharat, Tarang TV, SET India, Sony SAB, Dangan TV, Colors Tamil HD, Star Utsav, Star Sports 3, Sony Pal, DD National, Bindass, Zee Kannada, Zee Anmol, &TV, DD India, Epic, Big Magic, Mazhavil Manorama, Discovery Jeet, Rishtey India, CNBC TV18, ETV AP, Udaya Movies, Zee TV, Gemini Movies, 9X, Jhakaas, KTV HD, Sun Music HD, Nick HD+	32720	3/5	Mpeg 4 Videoguard	India Ku Beam
11590 V	TataSky:Aadinath TV, India News UP, SVBC 3 Kannada, News J, Anjan TV, DD Puniabi, TV5Monde Asie, Zee Salaam, Swaraj Express SMCB, CNN International South Asia, Nepal 1, News 18 Rajasthan, Shradha Mh One, NTV, Mega 24, Arihant TV, Sathiyam TV, Mantavya 24x7 News, Kalvi TV, Madha TV, Oscar Movies Bhojipuri, TV 27 News, DD Saptagiri, Sanvani Channel, Angel TV India, Channel WIN, ANB News, DD India, Captain News, DD Malayalam, Sadhna Plus News, Awakening TV, Tata Play Fun Learn, Naaptol Tamil, Naaptol Telugu, Travelxp Tamil, K News India, Jantantra TV, Tata Play Cooking, Mega Music	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
11630 H	TataSky: Showcase 1, Showcase 4, Animal Planet HD, TLC HD, Sony Pix HD, Tata Sky Marathi Cinema, Gemini HD, Sony Terri HD, Zee Cafe HD, Star Sports 1 Hindi HD, CNBC TV18 Prime HD, Star Sports select 1 HD, Movies Now HD	32720	3/4	Mpeg 4 Videoguard	India Ku Beam
11630 V	TataSky: Zee Keralam, Star World Premiere HD, DD News, Raj News Malayalam, DD Urdu, Surya TV, Colors +1, VH1 India, 4TV News, Living India News, NHK World Japan, DD Kisan, Colors Bangla, Jalsha Movies, Colors Infinity	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
11670 H	TataSky: Channel 100, Star Movies, SET India+1, SetMax+1, Colors Gujarati, Fox Life, Bindass Play, &TV HD, Discovery Science, News18 UP, Zoom, Showcase HD1, Star Sports 2, &Pictures HD, Sirripoli, Showcase HD 3, Nat Geo Wild HD, Sony ESPN HD, Asianet HD	32750	3/5	Videoguard Mpeg4/HD	India Ku Beam
11670 V	TataSky:Bhojipuri Cinema, History TV 18, Sony Ten 3, Mastiii, AKD Calcutta News, Asianet Movies, News Nation, Sony Aath, NDTV 24x7 TV 9 Bharatvarsh, Sony Ten 2, DD Chandana, Tata Play Dance Studio, Republic TV, Tata Play Dance Studio, KITE VICTERS, Udaya Music, Colors Rishtey Asia, Big Magic, Food Food, Disney Junior India, Star Sports 3, Times Now, Indradhanu TV, ShowBox, Sony Six, Discovery Science Southeast Asia, MTV Beats, India Today, Media One, National Geographic India, Shubh TV, Udaya TV, National Geographic Wild Asia, @ Tata Play Zindagi	32720	2/3	Mpeg 4 Videoguard	India Ku Beam
ChinaSat 12 at 87.5°E					
4140 V	Raj TV, Raj Digital Plus, Raj News 24x7, Raj Musix Tamil, Vissa, Raj Musix Kannada, Raj News Kannada, Raj Musix Telugu, Raj News Telugu, Raj News Malayalam, Raj Musix Malayalam, Raj Panwar, Raj Asia	28800	4-Mar	MPEG-4/SD/rdeto	C. Beam
ST2 at 88 deg E: Bom Az 140 EI 61, Bir Az 140 EI 70, Del Az 158 EI 54, Chennai Az 149 EI 72, Bhopal Az 155 EI 60 Cal Az 181 EI 63					
3629 H	Chunghwa Telecom:TVBS, TVBS News, TVBS Entertainment, Buddha Compassion TV Station	24700	3/4	Mpeg4 Conax	Asia Beam
3632 V	Chunghwa Telecom: SET Taiwan, SET Metro, SET News	36000	5/6	Mpeg4 HD	Asia Beam



CHANNEL GUIDE

UPDATED AS OF 1ST MAY 2023 FTA = Free To Air • SCR = Scrambled • Radio Channels in Italics

FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
11050 V	D2H: Colors Infinity HD, Nick HD+, Mazhavil Manorama HD, Asianet HD, Colors Bangla, Raj Music, Aath, Zee Bangla, News18 Guj. News, News18 UP News, News Live, DY 365, E 24, Prag News, Nepal 1, MBC TV, Rose TV	30000	2/3	Mpeg 4 Irdeito 2 Videoguard	India Beam
11050 H	D2H: Colors Kannada HD, Star Vijay HD, Maa TV HD, & TV HD, Sony SAB HD, Zee Talkies HD, Zee Bangla HD, Zee Marathi HD, Udaya HD, Surya Comedy, Kairali TV, Bhakthi TV (fta), Zee Marathi, Colors Marathi, Star Pravah, ABP Majha, 9X Jhakaas, Zee 24 Taas, Zee Talkies, News18 Lokmat	30000	2/3	Mpeg 4 Irdeito 2 Videoguard	India Beam
11164 V	D2H: Star World Premiere HD, Star World India HD, Star Sports HD 1, Star Sports HD 2, Sony Ten HD, Sony Six, Star Sports HD 1 Hindi, AXN India HD, Nat Geo Wild HD, Star World India, Zee Café, Comedy Central India, FX India, Colors Infinity, Star Sports 1, Star Sports 2, Star Sports 1 Hindi, Star Sports 1 Tamil, Sony Ten 1, Sony Ten 2, Sony Ten 3, Naaptol Tamil, Sony Six, Dangal TV, Neo Sports, DD Sports, Flowers, Ramdhenu, Channel Divya	44995	2/3	Mpeg 4 Irdeito 2 Videoguard	India Beam
11164 H	D2H: Star Plus HD India, Zee TV India, Colors, Star Bharat India, Saam TV, EZMali, Star Plus India, Zee TV India, Colors, Star Bharat India, SET India, Sony SAB TV India, Colors Gujarati, Colors Rishiy Asia, Bindass, Star Utsav, Dangal TV, Big Magic, DD National, DD India, Shop C.J, Planet M Shopping, Home Shop, Zee Anmol, Food Food, Living Foodz, Jaya Max, & TV, Topper TV, News X, India News, TV 9 Marathi, Gemporia, Vrinda TV, News 18 Gujarati	44995	2/3	Mpeg 4 Irdeito 2 Videoguard	India Beam
11483 V	D2H: Sun TV HD, Star Sports 4 HD, TLC HD, D2H Cinema, Movies Now+ HD, Star Movies HD, Star Movies Select, NGC HD, Discovery World HD, Star Jaisha HD, KTV HD, Sun Music HD, Jaisha Movies HD, Colora Bangla HD, Colors Marathi HD, Star Pravah HD, D2H tests	44995	2/3	Mpeg 4 Irdeito 2 Videoguard	K2 Beam
11483 H	Zee Cinema Asia, & fix, Animal Planet HD World India, Star Gold India, History TV 18, Zee Talkies, CNBC TV 18 Prime HD, Zee Bangla, Zee Marathi, Sony Pix, & pictures, D2H Hollywood, India News, News X, Star Sports Select HD1, Star Sports Select HD2, Sentimental Hits, Gujarati Devotion, Oriya Devotion, Bengali Devotional, Latest Hitz, Rajashani Geet, Radhe Krishna, Islamic Devotional, Bhakti, Romantic Hitz, Sai Anrit, Ganapati Devotional, Mata Ki Jai, Marathi Devotional, Gurbani, Punjabi Lounge, DJ Hitz, Shiv Bhakthi, Ghazal, Hamaar Geet, AIR Hindi, AIR Bangla, AIR Telugu, AIR Marathi, AIR Tamil, AIR Punjabi, AIR Gujarati, AIR Kannada, AIR Vividh Bharati, AIR North East, AIR FM Rainbow Delhi, AIR FM Gold Delhi, AIR Urdu, AIR Malayalam	44995	2/3	Mpeg 4 Irdeito 2 Videoguard	K2 Beam
11546 V	D2H: Sun TV, Sun TV, Surya Movies, Asianet, Asianet Plus, KTV, Adithya TV, Asianet Movies, Sun Music, Sun News, Zee Yuva, News 18 Bihar & Jharkhand, Udaya TV, Udaya Movies, Zee Kannada, Udaya Music, Zing Asia, Colors Kannada, TV 9 Kannada, Suvarna News, Star Suvarna, Kasthuri TV, Udaya Comedy, DD Chandana, DD Bangla, Rupasi Bangla, Zee 24 Ghanita, Sangeet Bangla, News1time Bangla, Shalom TV India, VTV News, News 18 MP & Chhattisgarh, Rayya Sabha TV, DD Malayalam, Dhoom Music, Thanthi TV, Jaihind TV, Prag News, Anjan TV, Best Deal TV, D2h Kids, Media One, Sangeet Marathi, Wow Cinema One, News 18 Kannada, Janasri News, @ DD Active, @ State Active, @ Darshana Active, @ East Active	44995	2/3	Mpeg 4 Irdeito 2 Videoguard	K2 Beam
11546 H	D2H: MhOne Music, Aastha TV, Sanskar TV, Paras TV, Arhant TV, Kochu TV, ABN, Kalainagar TV, Adhyatam TV, Lok Sabha TV, Isai Aruvi, Sriropoli, Vasanthi TV, Polimer, Captain TV, Maiboli, Puthiya Thalaimurai, DD kashir, Raj, TV, Sony Pai, Jaya Max, Angel TV, Sankara TV, ETV UP, Epic, Ishwar TV, 9X Jawa, Zee 24 Ghanite MP, Kalash TV, Zee Bangla, Kalaingar Muraas TV, Discovery India, Nick Jr, Jaisha Movies, Peace of Mind Jr, News Nation, J Movie, MBC TV, Music India, Planet M Cinema, Anhsatv, Zee Zindagi, Focus Odisha, Samay Bihar, Jharkhand, Prameya News 7, Kappa TV, Mathrubhumi News, Vendhar TV, Channel Divya, DD Bihar, BC 24, RT English, VIP News, CNBC Bajar	44995	2/3	Mpeg 4 Irdeito 2 Videoguard	India Beam
11609 V	D2H: D2h Home 1, ABP News India, Aaj Tak, Darshana TV, Zee News, News 18 India, Eurosport India, Zeeplex Screen 1, & pictures, Cartoon Network India, Zee Yuva, Satsang TV, Zee Business, Balle Balle, Times Now, CNN News 18, India Today, CNN International South Asia, BBC World News South Asia, CNBC TV 18, NDTV Profit, NDTV Prime, Zee Rajasthan, ET Now, DD News, Zee Punjab Haryana Himachal, Odisha TV, PTC News, PTC Chakde, Zee 24 Kalak, DD Punjabi, Star Movies India, Sony Pix, & fix, D2H Hollywood, Movies Now, Mirror Now, D2h Sajda, Romyedy Now, Prarthana TV, Alankar TV, 9X Jawa, D2h Home 2, 9X Tashan, News 18 Punjab & Haryana & Himachal Pradesh, @ Hindi News Active, @ English News Active, @ Punjabi Active, @ English Movies Active, @ Telugu Home Channel, @ D2h Sports info	43975	2/3	Mpeg 4 Irdeito 2 Videoguard	K2 Beam
11609 H	D2H: Discovery Channel India, History TV18, NGC India, Discovery Science, Discovery Turbo India, Animal Planet, Nat Geo Wild, Fox Life India, & Pictures, B4U Movies, Nat Geo Adventure, Sun TV, KTV, Adithya TV, Sun Music, Sun News, Seethigal, Jaya Plus, Chutti TV, Star Vijay Mega TV, Jay TV, TLC India, Sony Max, Zee Cinema, Star Gold, UTV Movies, Filmy, UTV Action, Zee Tamizh, Movies OK, D2h Movies 1, D2h movies 2, D2h Cinema, Zee Classic, Enter 10, Cinema TV, Sun Life, NDTV Good Times, Fashion TV, Care World, Investigation Discovery India, News 7 Tamil, E 24, DD Bharati, Makkal TV	44995	2/3	Mpeg 4 Irdeito 2 Videoguard	K2 Beam
11672 V	D2H: Zee Marathi, Colors Marathi, Star Pravah, ABP Majha, Ml Marathi, 9X Jhakaas, Saam TV, Zee 24 Taas, Zee Talkies, iBN Lokmat, DD Sanyadri, Raj Music Kannada, Oscar Movies Bhojpur, Big Magic Gangga, Zee Yuva, God TV Asia, V6 News, T, News, Vaa Movies, Raj News Kannada, Subhavartha TV, Udaya News, Gemini TV, Gemini Comedy, Gemini Music, Maa Music, Zee Telugu, ETV Telugu, ETV Andhra, Maa TV, Gemini Movies, TV 9 Telugu, TV 5 News, Sakshi TV, Tarang TV, tarang Music, Gemporia, Sarv Dharan Sangam, 9XM, Gemini News, Prarthana TV, DD Oriya, Maa Movies, Sarthak TV, Kolkatta TV, Surya Music, Bhakthi TV, Sony Max 2	44995	2/3	Mpeg 4 Irdeito 2 Videoguard	K2 Beam
11672 H	DD AI Jazeera English, DD Pochigai, DD Assam, Gemini Life, DD Saptagiri, Jinvani Channel, DD UP, Samay Rajasthan, DD MP, Cartoon Network India, Hungama TV, Disney Channel India, Nickelodeon India, Disney XD India, TV9 Junior India, Sonic Gang, Pogo, MTV India, Chintu India, B4U Music, VH1 India, M Tunes HD, Mastli, Colors Gujarati, TV9 Gujarat, DD Girnar, ETV Rajasthan, Baby TV, Nepal1, DD Rajasthan, News Live, Rang, Mahua TV, Sangeet Bhojpur, Dabangg, 9XM,	44995	3/4	Mpeg 4 Irdeito 2 Videoguard	K2 Beam



CHANNEL GUIDE

UPDATED AS OF 1ST MAY 2023 FTA = Free To Air • SCR = Scrambled • Radio Channels in Italics

FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
	ETV Urdu, Naxtra News, Discovery Kids, Public TV, Bindass Play, Pepsi MTV, DD Urdu, Zoom, Praticin Time, News World India, Zee Delhi, NCR Haryana, Khushi TV, We, DD Kisan, Channel WIN, Sandesh News, House Full, Movies				
	MEASAT 3 / 3A at 91.5 deg E: Bom Az 133 El 59, Bir Az 132 El 67, Del Az 152 El 53, Chennai Az 139 El 70, Bhopal Az 148 El 58, Cal Az 172 El 63				
3705 H	UNTV	4290	3/4	FTA	Global Beam
3710 H	Ang Dating Daan	2860	3/4	Viewcrypt	Global Beam
3715 H	Viva Entertainment: PBO, Viva Cinema, TMC, K Movies, Pinoy	7500	2/3	PowerVu	Global Beam
3727 H	Measat: Astro Ria Hd, Astro Prima Hd	11334	3/4	Mpeg4 -S2	Global Beam
3760 H	Encompass: Zee TV India, Zee Cinema Asia, & TV, & pictures, Zee Café, Zee Action, Zing Asia, Zee Business, Zee News, Zee Anmol, Zee Bollywood, Zee Zest	29700	5/6	MPEG-4/HD	Global Beam
3880 H	Mizzima TV, Outdoor Channel International, VoA TV Global, VoA TV Asia, BBC Earth Asia, BBC Lifestyle Asia, CBeebies Asia, CBeebies Asia, Gem, One, Da Vinci Asia, DreamWorks TV, Tech Storm, VoA East Timor, Voice of America, VoA Mongolia, Deewa Radio, VoA Dari, VoA Indonesia	29700	5/6	MPEG-4/HD	Global Beam
3904 H	RTM Sabah	4444	2/3	FTA	Global Beam
3910 H	RTM Sarawak: RTM TV 1	4444	2/3	FTA	Global Beam
3920 H	RTM TV 1 HD, RTM TV Okey	12400	2/3	Directore	Global Beam
3960 H	Encompass: SET Asia, SET Middle East, Sony Max Asia, Sony SAB TV Asia, Max Middle East, History Asia, Lifetime Asia, History 2 Asia, Crime + Investigation Asia, Kix, Celestial Movies Indonesia	29700	5/6	Mpeg 4	Global Beam
4000 H	Encompass: Rock Entertainment, Rock Extreme, Celestial Movies Asia, Celestial Classic Movies, Motorvision TV, Thrill, Celestial Movies Indonesia, Zooloo Asia, Celestial Movies Pinoy, Miao Mi, My Cinema Europe, Love Nature, Colors Asia Pacific, Zee Bangla Cinema	30000	5/6	MPEG-4 / HD	Global Beam
4040 H	SES: Slingray CMusic, Baby TV Asia, Fight Sports, Sky News UK, Belp Sports 2 Southeast Asia	28600	5/6	Mpeg4 Viaccess	Global Beam
4120 H	IKO MC: English Club TV, FMN, Smithsonian Channel Asia, Qazaq TV, SpoTV Asia, SpoTV 2 Asia, Hits, Hits Movies, Insight UHD	30000	5/6	MPEG4	Global Beam
12276 H	Sun Direct: DD Bihar	34000	3/4	DVB-S2	S. Asia Beam
12316 H	Sun Direct: NDTV 24x7, Surya Ten 1, Sun TV, KTV, Star Vijay India, Sun Music, Adithya TV, Gemini TV, Gemini Movies, Star Mea TV, Surya TV, Surya Movies, Udaya TV, ETV Telugu, Udaya Movies, Colors, Star Plus India, Zee Tamizh, Sun Direct Promo (fta), Kairali, Sun News, Udaya Music, DD Yadagiri, Maznavil Manorama, DD National, Discovery Kids, Public TV, Sakshi TV, & Fix, TV 9 Kannada, Jaya Plus, DD Chandana, Isai Aruva, Sankara TV	30000	5/6	MPEG4 Irdeto 2	S. Asia Beam
12436 H	Sun Direct: DD Puducherry	32000	3/4	MPEG4 Irdeto 2	S. Asia Beam
12563 H	SUN Direct: Sathiyam TV, DD Saptagiri, MTV India, Shalom TV, Gemini Life, Media One, Jaithind TV, Discovery TN, Sun Life, Surya Music, Disney Channel, 24 News, Udaya Comedy, We TV, UTV Action, Discovery India, Sun Marathi, Pogo, Surya News, Star Gold India, News 18 Bihar, News18 TN, Zee Kannada, Animal Planet India, DD Malayalam, Colors Marathi, Sun Bangla, Chintu TV, Star Movies India, Amrita TV, ETV, Telangana, News18 Kerala, Star Suvarna+	30000	5/6	MPEG-4 Irdeto 2	South Asia
12563 V	SUN DIRECT: Sathiyam TV, DD Saptagiri, MTV India, Shalom TV, Gemini Life, Media One, Jaithind TV, D'Amil, Sun Life, Surya Music, Disney Channel India, 24 News, Star Vijay Music, Udaya Comedy, Panini, We Kerala Vision, UTV Action, Discovery Channel India, Sun Marathi, Pogo, Suvama News, Star Gold India, News 18 Tamil, Zee Kannada, Animal Planet India, DD Malayalam, Colors Marathi, Sun Bangla, Chintu TV, TV 5 News, Star Movies India, Amrita TV, ETV Telangana, News 18 Malayalam, Star Suvarna Plus	32000	5/6	DVB-S, Irdeto	S. Asia Beam
12603 V	SUN DIRECT: Kannada Cinema Club, Surya Comedy, Jaya Max, ABN, Captain News, Malayalam Cinema Club, Reporter, Kocho TV, Asianet Movies, History TV 18, TV 9 Telugu, Naaptol Telugu, Movies Now, Star Bharat India, Nickelodeon India, Republic TV, Naaptol Tamil, Kairali News, SVBC 2, Prameya News 7, Puthiya Thalaimurai, Star Maa Music, Tamil Cinema Club, Telugu Cinema Club, ETV Cinema, Colors Tamil, Vasanthi TV, Bhakthi TV, Colors Gujarati Cinema, News 1st, Asianet News, Thanthi TV, Star Maa Movies, Makkal TV, Kalaignar TV, News 18 Kannada, Kalaignar Murasu TV, Flowers TV	32000	5/6	MPEG-4 Irdeto 2	South Asia
12643 V	SUN DIRECT: Mega TV, Star Suvarna, PTC News, Sony SAB TV, Chutti TV, Colors Kannada, Gemini Music, MTV Beats, Star World India, Asianet Plus, ETV AP, Kushi TV, Zee Telugu, Disney XD, Cartoon Network, CNN News18, Times Now, Colors Super, Gemini Comedy, Zee Cinema Asia, Sony Pix, Jaya TV, Matrubhumi News, News 7 Tamil, Kasturi TV, ETV Plus, DD Podagari, Seihigal, CNBC TV 18, Captain TV, Angel TV India, Mirror Now, Zee Cinema, ETV Ahiruchi, Mangalam TV, DD Bharati	32000	5/6	MPEG4 Irdeto 2	South Asia
	GSAT 15/17 at 93.5 deg E: Bom Az 130 El 57, Bir Az 128 El 66, Del 148 El 52, Chennai Az 134 El 68, Bhopal Az 144 El 57 Cal Az 167 El 63				
3711 H	DD Meghalaya	6250	3/4	FTA	India Beam
3721 H	DD Mizoram	6250	3/4	FTA	India Beam
3728 H	DD Tripura	4250	3/4	FTA	India Beam
3734 H	DD Arun Prabha	4250	3/4	FTA	India Beam
3740 H	DD Nagaland	4250	3/4	FTA	India Beam
3830 H	DD Bihar	3330	3/4	FTA	India Beam
3840 H	DD Assam	6250	3/4	FTA	India Beam
3848 H	DD Assamese	4250	3/4	FTA	India Beam
3860 H	DD Goa	4250	3/4	FTA	India Beam
3925 H	DD National, DD News, DD India, DD Bangla, DD Podhigai, DD Yadagiri, DD Port Blair, DD Malayalam, DD Urdu,				



CHANNEL GUIDE

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FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
	AIR Vividh Bharati, AIR FM Rainbow Delhi, AIR Hindi, AIR Tamil, AIR Bangla, AIR Punjabi				
3952 H	DD Bangla	27500	3/4	FTA	ECC
3960 H	DD Punjabi	6250	3/4	FTA	India Beam
3970 H	DD Gimar	6250	3/4	FTA	India Beam
3976 H	DD Chandana	3330	3/4	FTA	India Beam
3992 H	DD Odia	6250	3/4	FTA	India Beam
4008 H	DD Sahyadri	8600	3/4	FTA	India Beam
4032 H	DD Malayalam	6250	3/4	FTA	India Beam
4040 H	DD Yadagiri	6250	3/4	FTA	India Beam
4051 H	DD Podhigai, DD Puduchery	8600	3/4	FTA	India Beam
4060 H	DD Saptagiri	4250	3/4	FTA	India Beam
4072 H	DD Himachal Pradesh	6250	3/4	FTA	India Beam
4076 V	TV Network: India News Haryana, India News Rajasthan, India News UP, India News MP/CGH, News X, Power TV (India), Gulistan News, India News Punjab, India News Gujarat, Yo TV, NE News, Janta TV, Awakening TV, Saral Jeevan, Lokshahi	16600	8/9	FTA	India Beam
4080 H	DD Rajasthan	6250	3/4	FTA	India Beam
4090H	DD MP	6250	3/4	FTA	India Beam
4098 H	DD UP	6250	3/4	FTA	India Beam
4116 H	DD Manipur	6250	3/4	FTA	India Beam
4122 H	DD Sikkim	4250	3/4	FTA	India Beam
4128 H	DD Jammu	4250	3/4	FTA	India Beam
4150 H	RTA	4000	3/4	FTA	India Beam
4161 H	Popcorn Movies, Swara Sagar, Rakshana TV, Music Zone, 6 TV Bangla	8842	3/4	MPEG-4/SD	India Beam
4174 H	TV 24 (India), Sadhna News MP/Chhattisgarh, Living India News, Vip News, Devam TV, C10 News, Sadhna National, Jia News, Sadhna Plus News, Maharashtra 1 tests, Onkar Only Truth TV, Punjabi Hits, Soham TV, Aamar Cinema, Voice of Indian People	13600	5/6	MPEG-4/SD	India Beam
11050 V	Dish TV DTH: Pogo, TLC India, MTV India, Fox Life India, Disney Channel India, Marvel HQ, Star Vijay India, Zoom, Gemini TV, EZMall, Zee Tamil, Navarra News, News 18 Madhya Pradesh & Chhattisgarh, Bindass, Tarang TV, NewsTime Bangla, Kolkata TV, Nick Jr India, Disney Junior India, MBC TV, Alankar TV, Arihant TV, Satsang TV, Pitaara, VTV News, Star Gold Select, Sony Marathi, Zee Keralam, Shubh TV, Maznavi Manorama, PTC Simran, PTC Punjabi Gold, PTC Music, TV 9 Bangla, Sonic Nickelodeon, Discovery Kids India, @ Cooking Active, @ Kids Active, @ Aayushman Active	29500	7/8	Mpeg 4 Conax	India Beam
11090 V	DD FreeDish+: DD News, DD National, DD Retro, DD Kisan, DD India, Sun Marathi, ShowBox, DD Gimar, Ishara Channel, Abzy Movies, Vedic, B4U Movies India, Good News Today, B4U Bhojpuri, Shemaroo Umang, Zee Ganga, Goldmines Bhojpuri, Manoranjan Prime, AIR News, AIR Telugu, AIR Marathi, AIR Tamil, AIR Vividh Bharati, AIR Rohtak, AIR Vijaywada, AIR Impal	29500	3/4	FTA	India Beam
11170 V	DD FreeDish: Manoranjan Grand, Shemaroo Marathi Bana, DD Podhigai, DD Punjabi, DD Sahyadri, Fakt Marathi, Sports 18 Khei, Sansad TV, Sansad TV, Shemaroo TV, Dangal TV, Brojpur Cinema, Zee Biskope, Abzy Cool, Goldmines, The Q, Colors Cineplex Bollywood, Goldmines Bollywood, AIR Gujarat, AIR Panjim, AIR Punjabi, AIR Puducherry, AIR Srinagar, AIR Lucknow, AIR Patna, AIR Bhopal	29500	3/4	Mpeg4 FTA	India Beam
11460 H	Dish TV: Zee Punjab HP, Zee MP Chhattisgarh, Zee 24 Taas (scr), Zee Salaam Zee Bihar Jharkhand, Zee Delhi NCR Haryana, Zee Rajasthan, Zee 24 Kalak (scr), Zee UP Uttarakhand	12500	5/6	Mpeg 2 Conax	India Beam
11470 V	DD FreeDish+: Dangal 2, Colors Cineplex Superhits, MoviePlus, Manoranjan Movies, Big Magic, B4U Kadak, Manoranjan TV, TV 9 Bharatvarsh, Aastha India, Filamchi Bhojpuri, Zing Asia, Zee Anmol Cinema, ND TV India, News 24 (India), Enterr 10, Dhinchak 2, Popcorn Movies, Sanskar TV, AIR Karnataka, AIR Bangla, AIR Hindi, AIR North East, AIR Dehradun, AIR Port Blair, AIR Jaipur, AIR Gangtok	29500	3/4	FTA	India Beam
11480 H	DISH TV: Music India, Dish Buzz 2	14500	3/4	Mpeg 2 Conax	India Beam
11510 H	Dish TV: Sony Pix, CNBC TV 18, News 18 Lokmat, R Plus, Epic TV, Colors Infinity, Prameya News 7, NT 1, Nepal 1, Channel Diwa, Sangeet Bhojpuri, Jivani Channel, News 18 Punjab & Haryana & Himachal Pradesh, News 18 Assam & North-East, Jonack, Jyotish Duniya, Sandesh News, Sun Bangla, Wow Cinema One, 1 Sports, Punjabi Hits, Lokshahi, India News Haryana, Ishwar Bhakti, TV Indradhanu TV D2h Positive, Songdew TV, D2h Home 2, D2h Home 1, India Ahead, Times Now Navbharat, Aaciniath TV, ET Now Swadesh, Star Kiran, Bharat 24, Comedy Central India, @ Comedy Active, @ Punjabi Active, @ Zindagi Active	29500	3/4	Mpeg 4 Conax	India Beam
11510 V	DD FreeDish+: Star Utsav Movies, News 18 India, 9XM, Sony Wah, Zee Hindustan, India News, MTV Beats, Mastiii, B4U Music India, India TV, News Nation, Times Now Navbharat, Republic Bharat, Aaj Tak, ABP News India, Zee News, Zee Chitramandir, Zee Punjabi, B4U Plus, Atrangi, AIR Raagam, AIR Ranchi, AIR Urdu, AIR Oriya, AIR Malayalam, AIR Assamese, AIR Raipur, AIR Shillong	29500	3/4	FTA	India Beam
11550 H	VANDE Gujarat, VANDE Gujarat Channel 1 to 16, Digi Shala	29500	3/4	FTA	India Beam
11550 V	DD FreeDish+: DD Yadagiri, DD Uttar Pradesh, DD Bharati, DD Rajasthan, DD Sports, DD Bihar, DD Jharkhand, DD Madhya Pradesh, DD Tripura, DD Chhattisgarh, DD Kashmir, DD Chandana, DD Uttarakhand, DD Saptagiri, DD Malayalam, DD Assam, DD Odia, DD Arun Prabha, DD Bangla, AIR Kohima, AIR Aizawl, AIR Itanagar, AIR Agartala, AIR Leh, AIR Shimla,	29500	3/4	FTA	India Beam

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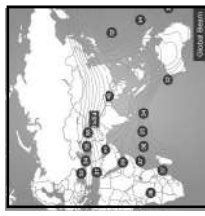
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CHANNEL GUIDE

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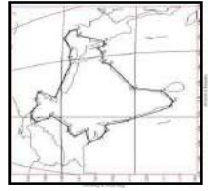
FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
	AIR Jammu, Gyanvani				
11590 H	Dish TV: Star Maa, ETV Telugu, Zee Kannada, Zee Telugu, Asianet, Asianet News, Hungama TV, Udaya TV, Surya TV, TV 9 Kannada, ET Now, Zee Zest, Star Maa Movies, National Geographic Wild Asia, Investigation Discovery India, Maiboli, Sony Yahi!, Mirror Now, RT News, B4U Movies India, Topper TV, Sony BBC Earth, Star Sports 3, Colors Gujarati Cinema, Dish TV India promo, Sun TV, Star Sports First, MTV Beats	29500	2/3	Mpeg 4 Conax	India Beam
11590 V	Swayam Prabha 1 to 17 channels (17 TV channels)	29500	3/4	FTA	India Beam
11630 H	Sun DTH: Flix HD, & Prive HD, Star Sports 2 HD, Star Sports Select HD1, Sony Pix HD, Star Maa TV HD, Udaya HD, Star Bharat HD, Colors HD, Colors Infinity HD, Gemini Music HD, Travel XP HD, Star Sports Select HD2, Star Movies Select HD, Cartoon NW HD, Colors Bangla HD, Star Gold HD, Star Jalsha HD, Zee Bangla HD	32000	3/4	Mpeg4 HD Irdeto	India Beam
11630 V	DD Freedish: Aashita Bhajan India, Chardikla Time TV, DD Goa, DD Haryana, DD HP, Samay National, India News UP, Sudarshan News News 18 UP & UK, DD Meghalaya, DD Manipur, DD Nagaland, DD Mizoram, News State UP & UK, RT News, Swaraj Express, BTW World, KBS World, DD National, DD Urdu, Swadesh News, Sanskriti 24x7, AIR FM Rainbow Delhi, AIR FM Gold Delhi, AIR Darbhanga, AIR Najibabad, AIR World Service, AIR World Service	30000	3/5	Mpeg 4 ICaS	India Beam
11670 H	Sun DTH: Star Pravah, Gemini Movies, SET India, Asianet HD, Star World HD India, Surya TV, Movies Now, History TV 18, BBC Earth Asia, Star Vijay India, Sony Ten 2, Sony Max India, Investigation Discovery India, Disney Channel India, Colors Cineplex, Star Suvarna, DD Kashmir, DD Punjab, DD Girmar, DD Bangla, DD Assam, DD Uttar Pradesh, DD Madhya Pradesh, DD Odia, DD Sahaydr, Lok Sabha TV, DD News, DD Kisan, DD Arun Prabha, DD Meghalaya, DD Manipur, Rajya Sabha TV	32000	3/4	Mpeg4 HD Irdeto	India Beam
11670 V	Swayam Prabha 18 to 22 (16 channels), E-Vyoma 1 to E-Vyoma 12	29500	3/4	FTA	India Beam
SES 8 / 9 at 95 deg E: Bom Az 128 El 56, Bir Az 125 El 65, Del Az 146 El 51, Chennai Az 131 El 67, Bhopal Az 141 El 56, Cal Az 163 El 62					
12464 H	Dish TV: Star Gold 2	43000	5/6	Conax	India Beam
12535 V	DISH TV: Star Maa, Star Sports 1 Tamil, Zee 24 Ghanta, Zee Telugu, Zee 24 Taas, Sahara One, Filmy Star Plus India, Star Bharat India, Zoom, Raj TV, Zee Talkies, 10 TV, NDTV Good Times, News 18 Rajasthan, Star Pravah, ABP Ananda, Pralidlin Time, Movies Now, Kalaighar TV, Jaya Plus, Seithigal, Aqithya TV, Sony Max 2, News 7 Tamil	43200	3/4	FTA / Conax	India Beam
12595 H	DISH TV: Movie on Demand 1, Star Vijay India, Movie on Demand 2, NDTV Profit, NDTV Prime, Movie on Demand Non Stop, Zee News TV 5 News, Asianet News, Puthiya Thalaimurai, HMTV, V6 News, Kairali TV, TV 9 Marathi, Maiboli, Dish TV promo, Mathrubhumi News, Samay MP/Chhattisgarh, Asianet Plus, SVBC, Sangeet Marathi, Colors Marathi, Zee Hindustan, Dish TV promo, News 18 Madhya Pradesh & Chhattisgarh, Sony Ten 3, NTV, Jaya Max, Tarang TV, Sangeet Bangla, Sakshi TV, @ Dish Active, @ Dish Sports Active, @ Dish Astro Active, @ Dish Games Active, @ Dish Recharge	43200	3/4	FTA / Conax	India Beam
12647 H	DISH TV: NDTV India, SET India, Discovery Channel India, TLC India, Animal Planet India, Sony SAB TV India, Nickelodeon India, MTV India, Sony Ten 1, Sony Pix, Naxatra News, Zee Salaam, Saam TV, Discovery Science Southeast Asia, Discovery Turbo India, Amrita TV, HBO Defined, HBO Hits, Zee News, Comedy Central India	30000	5/6	FTA / Conax	India Beam
12647 V	DISH TV: Zee Zest, Gemini Movies, Suvarna News, Udaya Comedy, Star Maa Music, Star Maa Gold, Star Maa Movies, NewsTime Bangla, Dhoom Music, Tarang Music, Prathana TV, AZZ News, CGTN, Captain TV, News 18 Lokmat, Nat Geo Wild Asia, News Live, Bhakthi TV, Asianet Movies, We, Jai Maharashtra, Zee Bangla Cinema, Mu Odia TV, Orange TV India, Music Fatafat, Rengoni, Thanthi TV, Star Gold 2, Z ETC Bollywood, @ Icti Active	32700	5/6	Conax MPEG4/HD	India Beam
12688 H	DISH TV: Asianet, Aaj Tak, Chutti TV, Sun TV, KTV, Sun Music, Sun News, Udaya TV, Udaya Movies, Udaya News, Udaya Music, Kiran TV, Surya TV, Gemini TV, Gemini Comedy, Gemini Music, Star Jalsha, Siripoli, Vrinda TV, WION, @ Icti Active	32000	3/4	Conax	India Beam
12688 V	DISH TV: Zee TV India, Zee Marathi, & Flix, Zee Bollywood, Dish Buzz, Sony Max India, Star Plus India, Zee Tamil, UTU Action, Zee Sarthak TV, Zee 24 Ghante MP, Zee Zindagi, Zing Home, @ Games Active	27500	5/6	Conax	India Beam
12729 V	Dish TV: Sony Max India, PTC Punjabi, Colors, Shop CJ, Star Sports 1 Hindi, & pictures, Odisha TV, Kaatyayani TV, Planet M Shopping, Zee Tamil, Zee Rajasthan Plus Marudhara, Zee Business, NDTV 24x7, Zee Cinema Asia, Sony Ten 2, Cartoon Network India, CNBC TV 18, CNN International South Asia, DITamil, ET Now, TV 9 Gujarati, Playin TV Active	32700	5/6	Conax	India Beam
ASIASAT 5 at 100.5 deg E: Bom Az 121 El 51, Bir Az 117 El 59, Del 138 El 47, Chennai Az 121 El 62, Bhopal Az 133 El 52, Cal Az 151 El 60					
3726 V	Macau Satellite TV, Macau Asia Satellite TV	6686	3/4	FTA	Asia Beam
3784 H	TDM Macau Satellite	3255	3/4	FTA	Asia Beam
3840 H	AsiaSat: Angel TV, Far East, EuroNews English, TVE Internacional Asia, Radio Exterior	29720	5/6	MPEG-4/SD	Asia Beam
3860 V	EBU: Premier League TV, Rai Italia Asia, Vatican Media, RTP Internacional Asia, RDP Antena 1, RDP Internacional Timor	30000	3/4	MPEG-4/SD	Asia Beam
3960 H	SES: The Word Network, Cubesat International, Reuters Live, Luxe TV, Daystar TV, SES feeds, Yemen TV, Radio Sana'a	30000	5/6	FTA / Irdeto	Asia Beam
4020 V	Star Gold HD India, Star Plus HD, Star Bharat HD, Star World HD, Star Movies HD, Star Sports 1 HD, Star Sports 2 HD	28100	3/4	Mpeg 4	Asia Beam
4040 H	Dubai TV International, Dubai Sports, France 24 English, France 24 Français, TV5Monde Style HD, TV5 Monde Asia, TV5Monde Pacific, TVRI World, Star Chinese Channel, RFI Français, RFI Cambodge	29720	5/6	Mpeg 4 Irdeto 2	Asia Beam
4080 H	Gloecast: Alarabiya, Saudi TV, Oman TV, Ekhbarya TV, KTV 1 (Kuwait), Sunna TV (Saudi Arabia), Sudan TV, Sharjah TV, Quran TV (Saudi Arabia), Libya Al Wataniya, Qatar TV, Abu Dhabi TV Europe, Perviy kanal Asia, Katyusha, Belarus 24, EuroNews English, Holy Quran Radio (Oman), Radio Oman, Riyadh Radio, Quran Radio (Saudi Arabia), Sharjah Radio, Sudan Radio, Holy Quran Radio (Sudan), Kuwait Radio One, AlQuran Alkarem, Jeddah Radio, Saudia Radio	30000	5/6	Mpeg 4 HD	Asia Beam



CHANNEL GUIDE

UPDATED AS OF 1ST MAY 2023 FTA = Free To Air • SCR = Scrambled • Radio Channels in Italics

FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
4714 H	APTN Global Video Wire (scr)_APTN_Direct (Mpeg4) HD	18400	2/3	FTA / BetaCrypt	C Beam
12301 V	Madani Channel Urdu	2916	3/4	Mpeg 4	South Asia Beam
ASIASAT 7 at 105.5 deg E: Bom Az 116 EI 46, Bir Az 112 EI 54, Del 131 EI 44, Chennai Az 115 EI 57, Bhopal Az 127 EI 48 Cal Az 141 EI 57					
3642 H	Earth News	1666	5/6	HEVC/HD	Asia Beam
3644 H	News 24 (Nepal)	1555	3/4	MPEG-4/SD	Asia Beam
3652 V	Sahara One, Samay, Samay Rajasthan, Samay Maharashtra / Gujarat, Samay UP, Samay Bihar, Aalami Samay, Samay MP, Filmy, Firangi	14100	3/4	FTA	Asia Beam
3656 H	Avenues Khabar	2222	3/4	FTA	Asia Beam
3668 V	Jesus Christ TV Pakistan	2593	3/4	FTA	Asia Beam
3675 V	Ritmu TV (Bangladesh)	5000	3/5	FTA	Asia Beam
3709 V	Colors Bangla, Colors Bangla Cinema, MTV Beats, VH1 India, Colors Infinity, Comedy Central India, Colors, Colors Rishtey Asia, Nickelodeon India, Nick Jr Asia, History TV 18, Sonic Nickelodeon	15000	3/4	MPEG-4/SD	Asia Beam
3715 H	Xing Kong China, Channel V China, Xing Kong HK (scr)	8167	3/4	FTA / Irdeto	Asia Beam
3725 H	ABP- ABP Ananda, ABP Majha, ABP Asmita, ABP Sanjha (scr)	8165	2/3	Mpeg 4 Irdeto	Asia Beam
3725 V	Channel S	5000	3/5	Mpeg 4	Asia Beam
3734 H	Channel NewsAsia HD	6500	2/3	DVB-S2/MPEG-4	Asia Beam
3760 H	MTA 6 Asia, TV 5 Monde Asie, Ahlebait TV Networks, TVN Asia	28000	7/8	FTA/MPEG-4/SD	Asia Beam
3800 H	STAR TV	28100	3/4	Irdeto/Videoguard	Asia Beam
3820 V	Zee Network	28100	5/6	Mpeg4	Asia Beam
3840 H	Fox Networks Group	27500	3/4	Conax / FTA	Asia Beam
3860 V	STAR TV	29720	5/6	Irdeto	Asia Beam
3880 H	Asiasat: Isaac TV, Pak 7 Kids, Revival TV (USA), Gawahi TV, Barkat TV, PMI TV, CTN (Pakistan), Mission Asia, Fazal TV, Eternal Life TV Network, Joshua TV (Pakistan), Shine Star TV, King TV (Pakistan), Royal Thal Lotto, HK TV, Abundant Life TV, Joo Music (Pakistan), Good Shepherd TV, Love of Jesus TV, Grace Network, Praise TV (Pakistan)	29720	3/5	MPEG 4 / FTA	Asia Beam
3890 V	Zee Network: Big Magic, Big Ganga, Zee Bioscope, Big Thrill, & Xplor HD, Big Ganga Talkies, Big Magic Punjab	11837	3/4	Mpeg 4 Conax	Asia Beam
3902 V	Zee Network	7250	3/4	Mpeg 4 Conax	Asia Beam
3920 H	STAR TV	29720	3/4	Mpeg 4 FTA	C Beam
3940 V	STAR TV	28100	3/4	Mpeg 4 FTA	C Beam
3960 H	Turner International Asia: Cartoon Network Asia, Boomerang South East Asia, Warner TV Southeast Asia, Warner TV Philippines, Cartoon Network India, CNN International Asia Pacific, Cartoon Network Asia, Cartoon Network Taiwan, Cartoon Network Philippines, Cartoon Network Pakistan, CNN International Asia Pacific, CNN International Asia Pacific, CNN International Asia Pacific, HLN International	30000	5/6	MPEG-4/ HDD/gigipher	Asia Beam
3980 V	STAR TV	28100	3/4	FTA/Videoguard	Asia Beam
4000 H	STAR TV	28100	3/4	Nagravision	Asia Beam
4020 V	STAR TV	28100	3/4	Nagravision	Asia Beam
4040 H	STAR TV	29720	3/4	Nagravision	Asia Beam
4060 V	ARY Digital Network: ARY Zindagi, Nickelodeon Pakistan, ARY Digital Asia, A Sports, ARY Digital UK, ARY Digital Asia, ARY World, ARY QTV, ARY Musik, ARY Digital UAE, ARY News UK & Europe, ARY News Pakistan, ARY Digital USA	26666	3/4	FTA / Irdeto 2	Asia Beam
4100 V	AsiaSat: DW English, B4U Movies Asia Pacific, Bloomberg TV Asia, Aljazeera English, NHK World Japan, TRT World, DW Deutsch, DW English, VB Jade, B4U Hitz, B4U Plus, B4U Movies India, B4U Music India, Fox News Channel	29720	5/6	Mpeg 4, Conax / Irdeto 2 / FTA	Asia Beam
4120 H	Phoenix New Media: Phoenix InfoNews Channel, Phoenix Chinese Channel, Phoenix Hong Kong, Phoenix InfoNews Channel, Phoenix Chinese Channel, Phoenix Movies Channel	27500	7/8	FTA Irdeto	Asia Beam
4140 V	Zee Network: Zing Asia (fta), Zee News (fta), Zee Punjab Haryana HP (fta), Zee MP/Chattisgarh	27500	3/4	FTA / Conax	Asia Beam
4146 H	SS Creative Solutions: Moon TV, Take Movies, Cinema Gold, Mega Movies, TV 110, NS Choice, TV 99 News HD, Pak TV, Royal Thal Lotto, Fire TV, Filmi Beat, Rung TV, Bolta News HD, Goldmines, Hope TV, Abundant Life TV, Love of Jesus TV, Star Max, Praise TV (Pakistan)	5317	5/6	FTA	C Beam
4156 H	ABP Ganga, ABP News India HD, ABP Nadu, ABP Desam	8165	2/3	Mpeg4 Irdeto	C Beam
4172 H	Sony Wah, Sony Pix South Asia, Sony BBC Earth, Sony Yay!, Ten Sports Pakistan, SET India HD, Sony Pix HD, Sony Max	2480	3/4	Mpeg 4 FTA	C Beam
4180 V	HD, Sony SAB TV HD, Sony BBC Earth HD, Sony Ten 1 HD	30000	3/4	Mpeg 4, PowerVu	Asia Beam
SES 7 / 9, Telkom 4 at 108.2 Deg East • Bom Az 114 EI 44, Bir Az 110 EI 52, Del 129 EI 42, Chennai Az 113 EI 54, Bhopal Az 124 EI 46 Cal Az 137 EI 55					
11483 H	Airtel DTH: Travelxo Tamil Channel Diya, News 18 Odia, Gemini Movies, Gemini TV, 9X Tashan, Star Sports 1 Hindi, Star Maa Music, Jaya TV, Star Bharat India, Gemini Comedy, 10 TV, Kushi TV, Sakshi TV, Star Maa Movies, ABN, ETV Telangana, Subhavartha TV, Star Maa Gold, TV 5 News, V6 News, TV 9 Telugu, Jaya Max, Polimer, Star Suvarna, Rengoni, Prag News, Ramchenu Nepal 1, Bhakthi TV, News Live, Rang, ETV Telugu, T News, SVBC, ETV Andhra Pradesh, News J, India News Uttar Pradesh, India News Haryana	28800	3/4	Mpeg 4 DVB S2 8psk Videoguard	South Asia Beam
	Airtel DTH: Makkal TV, Shraddha Mh One, DD Sports, Udaya Music, IndiaVision, Sony Ten 2, News 18 Rajasthan, CNBC				



CHANNEL GUIDE

UPDATED AS OF 1ST MAY 2023 FTA = Free To Air • SCR = Scrambled • Radio Channels in Italics

FREQ/POL	CHANNEL	SR	FEC	FREE / SCRAM	NOTES
11520 V	Awaaz, NDTV Profit, NDTV Prime, Akaash Aath, Tarang Music, Home Shop, Star Bharat India, Hungama TV, Comedy Central India, National Geographic India, History TV 18, Zee Café, Chardikla Time TV, Star Sports 1, Airtel DTH: ETV Telugu, ABP News India, Zee 24 Taas, Mahua TV, IBC 24, Colors Kannada, NDTV 24x7, Kairali TV, Zee Classic, Filmy, Kiran TV, Star Utsav, Mazhavil Manorama, Puthiya Thalaimurai, Sun Music, RT News, Airtel Movies 1, Airtel Movies 2, Gemini Movies, Nepal 1, UTV Action, Zee Talkies, SVBC, DY 365, DD Girnar, @ Idharshan	30000	3/4	Mpeg 4	South Asia Beam
11520 H	Airtel DTH: TV 9 Telugu, Disney Channel India, CNBC TV 18, Star World India, Times Now, Colors Bangla, Colors Marathi, Kashturi TV, Discovery Channel India, Animal Planet India, News 18 India, Aastha India, Jaya TV, Asianet Plus, Star Jalsha, Nickelodeon India, Isai Aruvi, Sony Aath, Neo Prime, Star Sports 1, MTV India, Zoom, Bindass, Star Suvarna, Sony Ten 3, Polimer, PTC News, Zee Cinema Asia, Sanskar TV	30000	3/4	Mpeg 4	South Asia Beam
11560 H	Airtel DTH: Mh 1 News, News 18 Urdu, Saam TV, PTC Chakre, Asianet News, Zee Kannada, Jaya Plus, Fashion TV India, Tarang TV, Adithya TV, Srippoli, Pogo, Sangeet Bangla, ETV Andhra Pradesh, Surya TV, 9XM, Rang, Sun News, Mastiii, We, ET Now, ABP Ananda, Sahara One, Kalaignar TV, Zee Bangla, Sony Ten 1, Travel Trendz TV, @ IKidsworld	30000	3/4	Mpeg 4	South Asia Beam
11600 V	Airtel DTH: Manorama News South, ABP Majha, & fix, TV 9 Kannada, Zee 24 Ghanita, Zee Punjabi, Haryana Himachal, Gemini Comedy, TV 9 Gujarati, News 18 Lokmat, Enterr 10, NTV, NDTV India, CNN News 18, SET India, News Live, Gemini Music, PTC Punjabi, Jaya Max, Chutti TV, India Today, Neo Sports, Odisha TV, B4U Music India, News 24, Udaya Movies, Amrita TV, Colors Odia, News 18 Bihar & Jharkhand, Raji TV, Rupasi Bangla	30000	3/4	Mpeg 4	South Asia Beam
11600 H	Airtel DTH: Captain TV, Day & Night News, E 24, India News, Live India, TV 5 News, Bhakthi TV, Paras TV, Sadhna TV, Star Suvarna, Vasanth TV, Discovery Science India, Discovery Turbo India, Udaya Comedy, Movies Now, BBC Ent. India, CBeebies Asia, Superhit, Kolkata TV, Airtel Movies 3, Star Ma Music, Airtel Recharge Info Channel, Star Gold Hit, Food Food, Telebrands India, News X, @ IKidsworld, @ IExam, @ Gamezone	30000	3/4	Mpeg 4	South Asia Beam
11640 V	Airtel DTH: Star Plus HD India, Star Gold HD India, Star World HD India, Star Movies HD India, UTV Action Telugu, Lok Sabha TV, Rajya Sabha TV, DD Bharati, Gyandhara, Colors, Disha TV, Movies Now, Discovery HD World India	30000	3/4	Mpeg 4	South Asia Beam
11640 H	Airtel DTH: Star Sports 2, Sonic Nickelodeon, Bindass Play, Janani News, Zee TV India, Dangal TV, Frontier TV, Zee Salaam, Zee Tamil, Star Gold 2, Cinema TV, STV Samachar, Zee Sarthak, Asianet Movies, Nat Geo Wild Asia, Zee Action	24000	3/4	Mpeg 4	South Asia Beam
11680 V	Airtel DTH: India TV, Zoom, Public TV, News 18 Punjab & Haryana & Himachal Pradesh, Colors Rishtey Asia, Disney Junior India, Sandesh News, Prarthana TV, Colors Infinity, Mirror Now, Colors Kannada, Colors Bangla, Colors Marathi, Zee 24 Taas, Colors Cineplex, TV 9 Gujarati, Udaya Movies, Udaya Music, Udaya TV, Bansal Music, Colors, DD Punjabi, Lok Sabha TV, DD Bangla, Fox Life India, News 1 India, Colors Bangla Cinema, Sony Pix, Shemaroo TV, News 1st, VH1 India, B4U Movies India, Fox Life India, DD Poddigai, News 18 Madhya Pradesh & Chhattisgarh, DD Malayalam	32700	3/4	Mpeg 4	South Asia Beam
11680 H	Airtel DTH: Om Shakti, Sony Max India, Asianet, Star Sports 1, Star Sports 2, Star Sports Select HD2, & privé HD, & TV, Gemini TV, Sun Music, Sun TV, Comedy Central India, Colors Cineplex, NewsTime Bangla, Zee Anmol, Eurosport India, CNN International South Asia, Sony SAB TV India	32700	3/4	Mpeg 4	South Asia Beam
12281 V	Dishum TV, Zee 24 Kalak, Naaptol Kannada, Naaptol Tamil, Naaptol Malayalam, Wow Cinema One, Naaptol Telugu, Pitaara, DD Chandana, ABP Asmita, Epic TV, Cinema TV, DD Madhya Pradesh, Northeast Live, Sarv Dharam Sangam, 1st India, Peace of Mind TV, Disney Stories, Fitness Studio, Hamar Canima, Zee Binar Jharkhand, DD Manipur, FashionTV India, ABP News India, Colors Kannada Cinema, Let's Dance, Star Sports 1 Telugu, Punjabi Tadka, Telugu Talkies, ABP Ganga, Public Movies, Jan TV, Nandighosha TV, Zee Thirai, Zee Punjabi, Shemaroo Marathi Bana, Manjari TV, Zee Picchar, Airtel Toons, Sadabharat Hit, Santvani Channel, Dangal Kannada, 1 Sports, Zee Tamil	43700	3/4	Mpeg 4	South Asia Beam
12341 H	DD Himachal Pradesh, KITE VICTERS, DD Arun Prabha, DD Sahyadri, Filmichi, Ishwar Bhakti TV, Network 10, CBeebies Asia, T-Sat Vidya, T-Sat Nipuna, Star Ma Movies, UTV HD, Star Maa, Kalvi TV, Zeeplex Screen 2, Vasanth TV, NK TV 24x7, Zee Telugu, Cartoon Network HD+	45000	3/4	Mpeg 4 DVB S2	South Asia Beam
12591 V	Shubhsandesh TV, ETV Abhiruchi, Ale TV, Anjan TV, Astrovaani, Comedy Galli, Goodnews TV, Zing Asia, Colors Tamil, Sony Wah, Eurosport India, Zee Uttar Pradesh Uttarakhand, DD Gimar, DD India, Gyandarshan, Star Utsav Movies, Zee Tamil, Zee Cinemalu, Sony Marathi, Baile Baile, Republic Bharat, Star Sports 1 Bangla, Spotlight, Star Gold Select, Living India News, Zee Bioskop, Good Life, Zeeplex Screen 2, Airtel Korean TV, Aakash Edu TV JEE, Aakash Edu TV NEET, TV5Monde Asia, MBC TV, Samay UP/Uttarakhand, Jai Maharashtra, Zeeplex Screen 1, Zeeplex Screen 1	43700	3/4	Mpeg 4 DVB S2	South Asia Beam
12651 V	K News India, Kalaignar Murasu TV, Safai, DD Rajasthan, DD Uttar Pradesh, DD Odia, DD Assam, Dhoom Music, Goodness TV, Kaumudy TV, Powervision TV, Colors Gujarati Cinema, Mazhavil Manorama, Movies Now, Colors Tamil, ShowBox, Tehzeeb TV, B4U Kadak, KTV, Shubh TV, Gemini Music, JK 24x7 News, News State UP & UK, INH 24x7, A1 TV, Music Zone, India Ahead, Lokshahi News, Samay National, Samay Bihar/Jharkhand, Samay MP/Chhattisgarh, Samay Rajasthan, TV 9 Bangla, Dhinchak, News Daily 24	43700	3/4	Mpeg 4 DVB S2	South Asia Beam
12711 H	Zee Marathi, Zee Talkies, Animal Planet India, Sony BBC Earth, Times Now World, Sony Ten 2, Sony Ten 3, Star Gold Select, Zee Kerala, National Geographic Wild Asia, Sony SAB TV India, Zee Bangla, Star Vijay India	45000	2/3	Mpeg 4 DVB S2	South Asia Beam
12711 V	Udaya TV, Surya TV, Aai Tak, Sun Bangla, TV 9 Bharatvarsh, Jonack, News 18 Bihar & Jharkhand, News 18 UP & UK, News 18 Urdu, News 18 Assam & North-East, News 18 Rajasthan, Assam Talks, Madhra TV, Disney International HD, Enterr 10 Bangla, Shradha Mh One, Movies Now +, Nick HD+, Aaseevatham TV, UTV Action, Surya Comedy, B4U Bhojpuri, Grace TV, History TV 18, PTC Music, Darshana TV, Vendhar TV, Mercy TV, ETV Bal Bharat	43700	3/4	Mpeg 4 DVB S2	South Asia Beam

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