



TEPC at INDIA AFRICA ICT EXPO 2023

9TH-10TH AUGUST, ADDIS ABABA, ETHIOPIA

India-Africa ICT Expo 2023



TEPC organised India-Africa ICT Expo 2023 in capital city Addis Ababa, Ethiopia on August 9-10, 2023 under Champions Sector Scheme of Department of Telecommunications, Ministry of Communications, Government of India. Twenty-eight ICT companies from India and thirteen ICT companies showcased their State-of-the-Art telecom products in the two days India Africa ICT Expo event. 650+ quality delegates including the Ethiopian telecom service providers and delegates from various African/ other countries (namely Afghanistan, Botswana, Burundi, China, Ethiopia, Uganda, France, Kenya, Saint Kitts & Nevis, Somalia, Tanzania and Indonesia) visited the exhibition and attended the technical sessions of the conference during the event. Ministry of Innovation & Technology, Government of Ethiopia was the Co-host of the event. Addis Ababa Chamber of Commerce & Sectoral Associations, India-Africa ICT Forum and Ethiopia ICT Association were the supporting partner of the event.

India Africa ICT Expo 2023 was inaugurated by H. E. Ms. Muria Ali, State Minister of Information, Communication Technology & Digital Economy, Government of Ethiopia in the gracious presence of Mr.

Sunil Kumar Verma, Joint Secretary, Department of Telecommunication, Government of India, H. E. Mr. Robert Setkintong, Mr. Balcha Reba, Director General, Ethiopian Communications Authority, Mrs. Mesenber Shenkute, President, Addis Ababa Chamber of Commerce & Sectoral Associations, Director General, Telecom Equipment & Services Export Promotion Council, India and large number of delegates from Ethiopia and other African countries. Apart from the exhibitions, five technical sessions and B2B meetings were held during the event.

TEPC has been organising India Africa ICT Expo & Conference since 2015. During the years 2015 & 2016 it was organised in Kenya, 2017 & 18 in Nigeria, 2019 & 20 in Rwanda and during 2021 & 2022 in Ghana. During the past events, Indian telecom companies received a good response from the African telecom industry; many Indian and African companies have started working together. The India-Africa ICT Expo 2023 also facilitated companies from India, Ethiopia and other African countries to meet and discuss business.

Embassy of India at Addis Ababa & Embassy of Ethiopia at New Delhi extended all out support in organising India-Africa ICT Expo-2023.

Ethiopian ICT Minister Huria Ali asks India to cooperate with Ethiopia in field of digital technology

Stresses that India can share its expertise in e-governance with Ethiopia to help improve efficiency and transparency of government services.

Addis Ababa: H.E. Ms. Huria Ali, Ethiopian State Minister of Information Communication Technology & Digital Economy said that India needs to cooperate with Ethiopia in several areas of digital technology.

She said this while addressing the gathering during the India-Africa ICT Expo 2023 organized by Telecom Equipment & Services Export Promotion Council, India at Addis Ababa in Ethiopia.

In her address, Ms. Ali said, "India can share its expertise in e-governance with Ethiopia to help it improve the efficiency and transparency of government services. It can also share its experience in e-health and e-education systems to improve access to quality education in the country." This could also include developing an online platform for students to take courses, collaborate with other students, and access educational resources as well as providing Online health service to remote areas, she added.

She further said that e-commerce development is another area where Ethiopia can learn from India. It can help Ethiopia learn from its experience of developing its e-commerce market to create jobs and boost economic growth. India can share its experience of

inclusive digital economy development that could benefit all segments of the society, she added.

Ms. Ali informed that the telecom liberalization in Ethiopia has resulted in successful engagement of private telecom service providers and more than a half trillion of ETB has been circulated through online, mobile and electronic payment and digital transfer systems.

"Ethiopian government is working constantly to enhance quality of life of its citizens. The government is onboarding an additional telecom company. These are results of the prosperity-oriented approach of its government, she said.

"The country now has more than 75 million mobile service subscribers. More than 300 electronic services are available for citizens, businesses, tourists and the diplomatic community," the Minister said, adding mobile banking and electronic payments are simplifying shopping and business transactions in the country. The national data repository capacity is also booming with intervention of privately owned data centres in the country, she further stressed.



H.E. Ms. Huria Ali, Ethiopian State Minister of Information Communication Technology & Digital Economy addressing the India-Africa ICT Expo 2023 in Ethiopia

India has all the ingredients of a globally competitive telecom industry: Joint Secretary, DoT

Says India has second-largest telecommunication ecosystem in the world.

Addis Ababa: India has all the ingredients of a globally competitive telecom industry as it has a large domestic market, world-class talent, focus on R&D and a robust framework for electronics manufacturing, said Mr. Sunil Kumar Verma, Joint Secretary, Department of Telecom, Government of India while addressing the gathering at India-Africa ICT Expo 2023 in Ethiopia.

He further said that Indian manufacturers have already made significant strides in exports of IT and telecom products to several countries at globally competitive prices.

With 1.17 billion telecom users today, India has the world’s second-largest telecommunication ecosystem. It has a robust ICT infrastructure in the form of 1.37 billion digital identities, more than 850 million internet subscribers, and around 788 million broadband subscribers, he added.

He informed that India has vast experience in building telecommunications & IT infrastructure, secured networks, green telecom solutions and smart city solutions. The country has developed complete 4G/5G and IP Multimedia solutions and comes through a trusted source.

With the rollout of 5G last year, India has become one of the fastest 5G services deployment countries in the world with over 3,00,000 5G sites deployed across more than 700 districts in the country. Prime Minister Narendra Modi has launched 6G Vision document and it has also established Bharat 6G Mission and Bharat 6G Alliance to boost R&D in the field of 6G technology, he further informed.

Mr. Verma said that the unique Digital Public Infrastructure Platform called ‘India Stack’ delivers a variety of public services. It has

components like Aadhaar for citizen identity, Unified Payments Interface (UPI) for seamless mobile payment, Jan Dhan Yojana providing bank accounts to citizens & COWIN for managing COVID-19 vaccine for citizens. Unified Payments Interface has around 330 million users and over 9.3 billion transactions per month with 458 banks live on it. These platforms can be replicated by other countries for the global good and attainment of Sustainable development goals. A few countries including the USA are already planning to work on pilot projects using India’s 4G/5G stake under a mutually trusted-source framework, he added.

He informed that under the BharatNet project, India aims to provide fibre broadband connectivity to around 6,40,000 villages across the country for internet connectivity, of which, around 2,00,000 villages already been connected.

Mr. Verma said that India has emerged as the second-largest manufacturer of mobile handsets in the world. Many Indian ICT companies are participating in this event to explore synergies and collaboration in technologies that have been indigenously developed such as 4G and 5G stack, he said.

He said that India is Ethiopia's second-largest trading partner and the relationship is a bridge of hope and prosperity connecting two nations on a shared journey toward progress. India has the know-how to offer capacity-building programmes in the ICT field as well as Ethiopia and other countries, he stressed.



Mr. Sunil Kumar Verma, Joint Secretary, Department of Telecom, Government of India addresses India-Africa ICT Expo 2023 in Ethiopia.

India-Africa ICT Expo is an opportunity to foster strong relationship between two nations: Indian Ambassador to Ethiopia

Says Indian companies have been operating in various industrial parks all around Ethiopia.

Addis Ababa: H.E. Mr. Robert Shetkintong, Ambassador of India to Ethiopia, emphasised the robust partnership between India and Ethiopia, particularly, in the field of ICT during the 9th edition of India-Africa ICT Expo.

“While Ethiopia boasts a sizable market, there has been limited interaction between Indian companies and their Ethiopian counterparts. This Expo presents an opportunity to bridge the gap and foster stronger connections between the two nations,” Mr. Shetkintong said.

He highlighted the presence of Indian companies and citizens already working in the sector, emphasising that there will be mutual benefits from the increased collaboration. The Indian Embassy is actively engaged in facilitating existing Indian companies and attracting new

investments from Indian companies to Ethiopia, he added.

Mr. Shetkintong further mentioned that many Indian companies are currently operating in Ethiopia, further underscoring the strengthening of existing economic ties between the two nations.

He said that the Indian companies have been operating in various industrial parks around the nation. These companies have provided employment opportunities to more than 75,000 Ethiopians and they own gigantic projects in the country including the biggest banana farm, a privately owned sugar factory and the biggest meat processing plant in Ethiopia.



H.E. Mr. Robert Shetkintong, Ambassador of India to Ethiopia speaks during India-Africa ICT Expo 2023 in Ethiopia.

ICT Expo will solidify partnerships between India, Ethiopia and other African nations: Balcha Reba



Mr. Balcha Reba, Director General, Ethiopian Communications Authority speaks during the India-Africa ICT Expo 2023 in Ethiopia.

Says ICT has been major driver of economic growth in the world.

Addis Ababa: Mr. Balcha Reba, Director General of Ethiopian Communications Authority said that India-Africa ICT Expo 2023 will definitely solidify partnerships between India, Ethiopia and other African nations in the field of Information and Communications Technology (ICT) & its related sectors.

While addressing the gathering,

Mr. Reba expressed hope that India will share its experience in building telecommunications infrastructure, applications and content development, e-commerce, cybersecurity, telecommunications equipment manufacturing, fintech and digital financial services with the African nations. ICT has been the major driver for the economic growth of the world, he added.

“The Ethiopian Government recognises that technological change has been the primary driver of social development, productivity improvements and inclusive growth”, he said, adding that it has made the development of ICT as one of its key priorities. This stems from the recognition that ICT is a key driver and facilitator for transforming Ethiopia’s predominantly subsistence-agriculture economy into a knowledge-based economy and information society, he stressed.

“ICT will also be fundamental for Ethiopia’s aspiration to become a middle-income country. It is with this profound objective that the Ethiopia’s Telecommunications sector reform started in 2018 as an essential pillar of the Government’s Home-Grown Economic Reform agenda designed to ensure macro-economic stability, support stronger private sector participation and sustain rapid economic growth,” he added.

He further informed that the outcome of the telecom sector reform process is set to be a competitive three-player market to bring better connectivity to the people of Ethiopia and facilitate the country’s digital transformation.

“The award of License to Safaricom Ethiopia was a historic milestone in the telecom sector reform process. On the heels of this

successful liberalization, a second private operator license is expected to be issued this year. Since the market was opened to competition, many positive developments, occurring in the Ethiopian telecommunications sector, are encouraging investors interested in engaging in the sector,” Mr. Reba said.

“The relationship between India and Africa has long historical roots. Now, time has come to take this relationship to another level through strategic technology partnerships for our digital journey and innovation. The favourable investment climate and improved market, coupled with an opportunity to grab a share of the telecom market in the second most populated African country, are strong enough incentives for any world-class telecom operator to consider,” he said.

TCIL can contribute significantly to growth story of Ethiopia: CMD, TCIL Sanjeev Kumar



Mr. Sanjeev Kumar, CMD, TCIL

Addis Ababa: Mr. Sanjeev Kumar, Chairman and Managing Director, Telecommunications Consultants India Limited (TCIL) addressed the ‘India Africa ICT Expo’ in Ethiopia.

While addressing the gathering, CMD TCIL emphasized that there are several technology areas where TCIL can contribute significantly to the growth story of Ethiopia. e-Education, e-Health, Digital Financial Inclusion, Homeland Security, e-Governance/Citizen Centric Service, National ID,

Disaster Management, 4G/5G Network + Fixed and Mobile converged, 4G/5G Captive Network, Rural Broadband Connectivity, Smart City Applications and Cyber Security were some sectors identified for the same.

He expressed his willingness to introduce Advanced Indian Technologies for implementation of projects in various domains with a particular emphasis on cutting edge technologies like Artificial Intelligence and Blockchain.

CMD TCIL also highlighted decades-old relationship with Ethiopia and Africa. He informed that TCIL started its operations in Ethiopia in September 1998 and executed several projects in IT, Telecom, Power and Civil domain in the country.

ICT can transform Ethiopia’s agrarian economy to digital economy: Mesenbet Shenkute



Mrs. Mesenbet Shenkute, President, Addis Ababa Chamber of Commerce and Sectoral Associations addresses India-Africa ICT Expo 2023 in Ethiopia.

Says ICT has great potential to accelerate human progress and to develop knowledge societies.

Addis Ababa: Information and Communication Technology (ICT) is not a luxury for today’s Ethiopia but a means to transform the agrarian economy to digital economy in the country, said Mrs. Mesenbet Shenkute, President, Addis Ababa Chamber of Commerce and Sectoral Associations.

Addressing the ICT Expo, Mrs. Shenkute said ICT has great potential to accelerate human progress and to develop knowledge societies. It is also vital in promoting technology transfer and capacity building, strengthening multi-stakeholders’ partnership and enabling data monitoring and accountability, she added.

“ICT has gradually invented all businesses, as it has become the order of the day,” she said, adding that the economic advantages of a digital economy may include creating local job opportunities for citizens, enabling the transfer of skills and technology and attracting direct foreign investment.

She further said that ICT development is believed to be instrumental in realising sustainable development goals and accelerate digital economy, industrialisation and ease of doing business.

The ICT sector also links industry with agriculture, increases import substitution, saves hard currency and stimulates the production of export items, which are the major source of foreign currency for Ethiopia, Mrs. Shenkute said.

With a potential investment destination, Ethiopia will be an idyllic country for the digital economy to flourish and multinational companies such as Safaricom, one of the telecom giants in the world, will further pave the way for ICT-related businesses in Ethiopia, she added.

India has fastest growing telecom network in the world: TEPC DG Arun Gupta at India-Africa ICT Expo 2023



Mr. Arun Gupta, Director General, Telecom Equipment and Services Export Promotion Council (TEPC) delivers welcome address at India-Africa ICT Expo 2023 in Ethiopia

Stresses on the need to create a conducive ecosystem to boost equipment manufacturing and services sector in Ethiopia.

Addis Ababa: Mr. Arun Gupta, Director General, Telecom Equipment and Services Export Promotion Council (TEPC) delivered the welcome address at the India-Africa ICT Expo 2023 in Ethiopia.

While addressing the gathering, Mr. Gupta said that India has all the ingredients of a globally competitive telecom industry – second largest domestic market, world-class talent, focus on R&D and IPR creation and a robust framework for electronic manufacturing.

Stressing that Indian manufacturers have made a mark in exports of IT and telecom industry globally, Mr. Gupta said that India manufactures high-quality and cost-effective products. India holds the distinction of being the fastest growing telecom network in the world, he added.

He further said that Indian equipment manufacturing sector has made rapid strides in the past few years. From being an import-centric industry, it is now moving towards becoming a global telecom equipment manufacturing hub, he emphasised.

Stressing on the need to explore trading opportunities between the two countries, Mr. Gupta said that India can build a conducive ecosystem to boost the equipment manufacturing and services sector in Ethiopia, which can lead to the creation of an industry that will compete with the best in the world.

SESSION NEWS

Session 1: Telecom Infrastructure: Accelerating 5G Led Growth



Mr. Ketan Bavaria, Head of Africa Business for Truebyl, Eppix E-solutions Ltd.

Vibrant panel discussions highlighted the importance of ICT adoption to stay ahead of the curve and it was acknowledged as a doctrine that is well established and practiced.

This session further emphasised that countries and industries that leverage 5G early can gain a competitive advantage by improving operational efficiency, enhancing customer experiences, and developing innovative products and services.

Discussion highlighted how industries are undergoing digital transformation to remain relevant and efficient in the modern era where 5G can accelerate this transformation by providing the necessary infrastructure for seamless connectivity, real-time data exchange, and remote operations.

In summary, it was concluded that 5G's importance lies in its potential to drive innovation, transform industries, improve quality of life, and contribute to economic growth by enabling a wide range of applications that were previously not possible or feasible. Its capabilities have the potential to reshape entire sectors and create new opportunities across various fields.

5G enabled uses cases identified were Real-Time Remote Surgery, Autonomous Vehicles, Industrial Automation and IoT, Smart Cities, Immersive Entertainment, Precision Agriculture, Drones and Unmanned Aerial Vehicles (UAVs), Smart Grids, Remote Education and Training, Enhanced Public Safety, Supply Chain Optimization.

In the second half of the discussions, it was pointed out that while 5G has the potential to accelerate growth, it is not the only factor that determines economic success.

Factors, that would play critical roles in driving growth of 5G in Africa are:

Infrastructure Investment: Governments, telecommunication companies, and other stakeholders need to invest in building robust 5G infrastructure. This includes deploying new cell towers, small cells, and fibre-optic networks to ensure comprehensive coverage.

Regulatory Support: Governments need to play a crucial role in accelerating 5G deployment by allocating suitable spectrum frequencies, and addressing legal or bureaucratic barriers.

Spectrum Allocation: Efficient and timely allocation of appropriate spectrum for setting up private 4G/5G networks by Defence, Railways, Industries, Ships, Hospitals, Utility companies.

Public-Private Partnerships: Collaboration between governments, private companies, and research institutions in Africa and India can accelerate 5G-led growth.

Education and Awareness: Raise awareness about the potential benefits of 5G among businesses, consumers, and policymakers.

Cross-Sector Collaboration: Encourage collaboration between different sectors, such as technology, healthcare, and agriculture, to develop innovative applications and use cases for 5G.

Discussions that followed were regarding excellent strides made by India to drive a culture of innovation, promoting startups and encouraging domestic designed 4G & 5G solutions. India's home grown 5G stack was highlighted and applauded for its successful implementation by the audience. Areas where active collaboration with India will bring success to Africa were identified as skill development, Technology transfer and adoption of cost effective 5G solutions. Governments in Africa could implement the roadmap and vision for 5G adoption as was adopted by Indian leadership. These and more avenues for collaboration at Government, Industry and Academia level were highlighted.

The session was moderated by Mr. Rajesh Tuli, Managing Director, Coral telecom Limited, India.



Mr. Pankaj Bhardwaj, Head of Sales Africa, Tech Mahindra, Ethiopia



Mr. Rajesh Tuli, Managing Director, Coral telecom Limited, India

Session 2: Technology & Skill Development

Large Scale skill development, in telecom sector, is needed in Ethiopia. India can provide the technology and training for the same. Skills can be of different categories such as running PCB tools or testing; on the upper end research skills in designing 5G Router or System on Chip for Telecommunications, various ICT equipment & services etc. It was felt a partners, from both countries, should do the last mile handshake; and the right impetus and enabling environmental may be provided by the Government of both the countries.

The session was moderated by Mr. Reapan Tikoo, Chief Executive Officer, Powai Labs Technology Pvt. Ltd., India.



Mr. Chandrakumar Chettiar, Founder & CEO, OptimusLogic Systems India Private Limited, India



Mr. Yilikal Abate, President ICT-ET (Private Sector Association for ICT Companies)



Shivani Pratap Singh, Sr. VP



Dr. Abiyot Sinamo, Chief Executive Officer, National Electronic Government Development



Mr. Reapan Tikoo, Chief Executive Officer, Powai Labs Technology Pvt. Ltd., India

Session 3: Telecom and Cyber Security

Topic 1: Importance of Telecoms in economic and social development, rural inclusivity: The panel discussed the well-established fact that wider connectivity directly translates into higher GDP. Ethiopia has 50% unconnected areas and it is critical for remote and rural services to have trust worthy and reliable connectivity.

Topic 2: Cybersecurity is critical for IoT Devices and Applications, that are rapidly proliferating individual homes and also every industry vertical: The panel discussed measures to protect consumers and enterprises from the cyber security threats, and the country scale initiatives that are necessary to proactively build in security by design. It was discussed that cybersecurity is a very significant societal threat, 90% of business is unaware of cybersecurity and the threats from cyber attacks resulting from poorly trained or malicious staff. The need for information security policy for Ethiopia was highlighted. India's programs such as the IT ACT and the Certification Authority, IoT Security programs such as MTCTE, Trusted Telecom Portal etc were highlighted.

Topic 3: The 5G supply chain Security: Summary Conference Session Report 9th Indo African ICT Expo Addis Ababa, Conference Session 3 Report Page 4 of 4 © 2023: Mashmari, All Rights Reserved. Private and Confidential Document No: SA-240823001 Version: v1 It was discussed that the 5G ecosystem is very open and wide, it involves multiple vendors and components from various countries. The panel discussed how operators and governments can ensure the security and integrity of the supply chain amidst these complexities and Cybersecurity threats.

Topic 4: Indo-Ethiopian collaboration: The panellists acknowledged that India is role model for Ethiopia, and many of India's digital transformation programs and initiatives can be emulated by Ethiopia in order to pursue its own socioeconomic development agenda. Digital transformation initiatives in Health, Education, Financial inclusion, Security were identified as some of the key areas for collaboration.

The session was moderated by Mr. Sharad Arora, Founder Director, Mashmari, India.



Mr. Amit Pasari,
Managing Director,
XS Infosol Pvt. Ltd., India



Mr. Faris Mubarek,
Managing Director,
Zsecuredtech Plc.



Mr. Jaspreet Singh,
Director, Kirat Communications
Private Limited, India



Mr. Sharad Arora,
Founder Director,
Mashmari, India

Session 4: Transformative Power of Technology

The Transformative Power of Technology refers to profound and far-reaching impact that technological advancements have on various aspects of human life, society, and the world as a whole. Over the past few decades, technology has rapidly evolved, leading to significant changes and improvement in almost every sphere of human existence.

This Transformative Power is evident across multiple domains such as Information and Communication Technology, National and Global economy, Strategic sector, Education, Healthcare, Business, Skill development, Industry, Transport, Environment, Social connectivity, Data management, and political landscape too.

The transformative impact of technology manifests itself in many forms. Smart Cities and Smart Villages are being created to extend the benefits of cutting-edge technologies to one and all. Technologies like 4G LTE and 5G have been instrumental in providing high bandwidth and performance to support various use-cases involving sensor networks and industrial automation. We are now talking about the revolutionary potential of futuristic 6G technology that will unravel the immense potential of emerging trends like AI, Augmented Reality, etc.

Undoubtedly, there are challenges to the proliferation of technology for meeting the specific requirements of a large and diverse user base. It thus becomes imperative to customize the technology for enhancing its reach in a cost-effective and efficacious manner.

Another important aspect related to adoption of technology is security offering data confidentiality and integrity. The standardized approach to developing technology not only ensures interoperability by addressing vendor lock-ins but also leads to secure and robust network architectures that are scalable in the long-run.

With this, technology also brings challenges and risks, such as privacy concerns, cybersecurity threats, and the potential for social inequality. It is equally important to approach technology with ethical considerations and responsible practices to harness its Transformative power for the collective benefit of society and humanity.

The session was moderated by Mr. Jai Prakash, Group Leader, Centre for Development of Telematics, India.



Mr. Binish Vettickal,
Sales Director, Asttocs
Communications
Pvt. Ltd., India



Mr. Jai Prakash,
Group Leader,
Centre for Development
of Telematics, India



Mr. Sridhar Rayasam,
Vice President (Business
Development),
OptimusLogic Systems
India Private Limited,
India



Mr. Vivek Chandra,
Deputy General Manager,
Telecom Consultants
India Limited, India

Session 5: India Africa Technology Collaboration

Vibrant panel discussions highlighted the importance of ICT adoption to stay ahead of the curve and it was acknowledged as a doctrine that is well established and practiced.

This session further emphasised that countries and industries that leverage 5G early can gain a competitive advantage by improving operational efficiency, enhancing customer experiences, and developing innovative products and services.

Discussion highlighted how industries are undergoing digital transformation to remain relevant and efficient in the modern era where 5G can accelerate this transformation by providing the necessary infrastructure for seamless connectivity, real-time data exchange, and remote operations.

In summary, it was concluded that 5G's importance lies in its potential to drive innovation, transform industries, improve quality of life, and contribute to economic growth by enabling a wide range of applications that were previously not possible or feasible. Its capabilities have the potential to reshape entire sectors and create new opportunities across various fields.

5G enabled uses cases identified were as follows:

Real-Time Remote Surgery: 5G's low latency and high bandwidth enable surgeons to perform complex surgeries remotely using robotic systems. This has the potential to improve healthcare access in underserved areas and enhance collaboration among medical professionals.

Autonomous Vehicles: 5G's ultra-reliable and low-latency communication is crucial for enabling real-time communication between autonomous vehicles and infrastructure, ensuring safe and efficient transportation.

Industrial Automation and IoT: 5G facilitates the connection and control of a massive number of industrial devices and sensors in real time. This allows for advanced industrial automation, predictive maintenance, and efficient resource management.

Smart Cities: 5G powers smart cities by enabling real-time data collection, traffic management, environmental monitoring, and efficient public services. This can lead to more sustainable and efficient urban living.

Immersive Entertainment: 5G supports high-quality streaming and interactive experiences in virtual reality (VR) and augmented reality (AR), transforming how we consume media and engage with entertainment content. 5G's low latency and high bandwidth are essential for immersive VR and AR experiences. These technologies have applications in gaming, education, training, healthcare, and more, opening up new revenue streams and business opportunities.

Precision Agriculture: 5G enables real-time monitoring of crops, livestock, and environmental conditions, leading to optimized irrigation, improved crop yields, and sustainable farming practices.

Drones and Unmanned Aerial Vehicles (UAVs): 5G facilitates real-time communication between drones and operators, enabling applications such as remote inspection, aerial photography, and delivery services.

Smart Grids: 5G allows for more efficient management of energy distribution through real-time monitoring and control of electricity grids, contributing to energy conservation and reduced emissions.

Remote Education and Training: 5G enables high-quality remote education and training experiences through immersive video conferencing, interactive content, and real-time collaboration tools.

Enhanced Public Safety: 5G supports advanced public safety applications, such as real-time video surveillance, location tracking, and emergency response coordination, improving overall community safety.

Supply Chain Optimization: 5G enables real-time tracking and monitoring of goods in transit, leading to more efficient supply chain management and reduced waste.

These use cases highlighted the transformative potential of 5G technology across various industries, paving the way for new business models, enhanced services, and improved quality of life.

In the second half of the discussions it was pointed out that while 5G has the potential to accelerate growth, it is not the only factor that determines economic success. Factors, that would play critical roles in driving growth of 5G in Africa are .

Infrastructure Investment: Governments, telecommunication companies, and other stakeholders need to invest in building robust 5G infrastructure. This includes deploying new cell towers, small cells, and fiber-optic networks to ensure comprehensive coverage.

Regulatory Support: Governments need to play a crucial role in accelerating 5G deployment by allocating suitable spectrum frequencies, and addressing legal or bureaucratic barriers.

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The session was moderated by Mr. Rajneesh Khullar, Sr. Vice President- International Sales & Global GTG Head.



Mr. Brian Kariuki,
Senior Project Officer,
Information and
Communication
Technology (ICT)
Authority, Kenya



Mr. Jeremiah Kiplagat,
Director, Kenya Power
and Lighting Company,
Kenya



Mr. John Orutwa, Chief
Technology Officer,
Bandwidth and Cloud
Services, Kenya



Mr. Rajneesh Khullar,
Sr. Vice President-
International Sales &
Global GTG Head, Tejas
Networks Limited



Mr. Shivanandham
Muthuswamy, Chief
Executive Officer, CIG
Incorporation, India



Ms. Nsabimana Yvette,
Head Commercial
Division Burundi
Backbone System



Ethiopian Broadcasting Corporation · 9 August at 15:57 · 98

እንዲሁም የአገልግሎት ዘርፍን በአገጅር መሻሻያና ኮሙኒኬሽን ተከፋፍሎ በሙያዊ ለማቀላጠፍ እየሰራች ነው፡፡ የአገልግሎትና ተከፋፍሎ መሻሻሪያ ሊከተል የአገልግሎት ዘርፍን በአገጅር መሻሻያና ኮሙኒኬሽን ተከፋፍሎ በሙያዊ ለማቀላጠፍ እየሰራች መሆኑን የአገልግሎትና ተከፋፍሎ መሻሻሪያ ሊከተል የሚችል አሉ ገላጭ፡፡

ይህን የገለፁት በዓኛው የህንድ-አፍሪካ አይ. ሲቲ አውድ ርዕይ በአዲስ አበባ ዛሬ መካሄድ ሲጀምር ነው።

እውደ ርዕዩ በእዲህ ተዘርፍ የተሰማር የህግድ እና የእፍሪካ ህገራት ካምፓኒዎችና ባለሙያዎችን በማገናኘት ምርትና እገልጫታቸውን እንዲያስተዋውቁና በጋራ እንዲሰሩ ለማድረግ ለሰማን ስንወልዝ።

ህንድ በሌላኩም-ህክሽን መጠቀሚያ መሳሪያዎች ምርትና እና አገልግሎት በዲጂታል ጤና ትምህርት የመረጃ መረገብ ደህንነት እና በሌሎች አይ ቢ ቲ ዘርፎችም በጋራ እየለሰች ትገኛለች።

സംഗ്രഹം ചെയ്തുകൊണ്ടിരിക്കുകയും ചെയ്തു.



המחיר המלא של המוצר הוא 199 ₪. המחיר המיוחד הוא 149 ₪.

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Robert Shetty, the Ambassador of India in Ethiopia, emphasised the robust partnership between Ethiopia and India, particularly in the ICT sector. While Ethiopia hosts a sizable market, there has been limited interaction between Indian companies and their Ethiopian counterparts. This, he stressed, presents an opportunity to bridge the gap and foster stronger connections between the two nations.

The ambassador highlighted the presence of Indian companies and citizens already working in the sector, emphasizing that there will be mutual benefits from increased collaboration. The Indian embassy is actively engaged in facilitating new investments from Indian companies in Ethiopia. The ambassador also mentioned the major Indian companies currently operating in Ethiopia, thus encouraging the coming economic ties.

The ambassador elaborated, "There is a lot of factories have been working in various industrial parks around the nation. They have employed more than 75 thousand Ethiopians. These Indian companies are paying taxes in Ethiopia, Indian companies own the biggest banana farms, recently opened sugar factory, and the gold mine processing plant in Ethiopia."



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INDIA AFRICA ICT EXPO AT A GLANCE

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China



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Uganda



France



Kenya



Saint Kitts
And Nevis



Somalia



Tanzania



Indonesia



126

Exhibitors



45

Media



41

Speaker



565

Visitors

EXHIBITORS

