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12th Annual Conference on

OFC NETWORKS IN INDIA

July 20-21, 2022 | The Leela Ambience Gurugram

Organisers:

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Infrastructure**

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MISSION

- OFC will be a critical component in the industry's transition to 5G. While telcos have started conducting trials and test-runs to commercialise the technology in the country, a massive upgradation of OFC networks is a must to deliver on the 5G promise.
- Further, OFC plays an essential role in enhancing broadband outreach especially in rural and remote areas. Through ambitious projects such as Digital India, BharatNet and the National Broadband Mission, the government is focused on increasing India's OFC footprint to enable broadband delivery to a larger population, in turn, providing a much-needed fillip to OFC demand in the country.
- For instance, in the Union Budget 2022-23, the government mentions that contracts for laying optical fibre in all villages, including remote areas, will be awarded under the BharatNet project through public private partnership (PPP) mode in 2022-23 with completion expected in 2025. The onset of Covid-19 has also scaled up the requirement for high-speed and reliable connectivity, providing a fresh impetus to fibre-based broadband. The new work-from-home norm has brought data centres as well as in-building solutions such as FTTH, small cells and Wi-Fi hotspots in the spotlight. These solutions too require huge investments in fibre roll-out inside buildings.
- This rise in demand requires industry's OFC footprint to grow exponentially from current 2.8 million km. Further, 5G would require tower site fiberisation to grow from 32 per cent to 70 per cent. The demand for fibre-supported backhaul will also increase as telcos and towercos install more sites at shorter distances, deploy thousands of small cells, and set up an extensive network of edge data centres.
- The scaling up of OFC infrastructure will lead the way for new roll-out and sharing models. This would open up opportunities for non-telco players like towercos as well as utilities in sectors such as power, gas, water and railways, to operate as neutral wholesale providers for telcos.
- The mission of this conference is to highlight the importance of OFC in the 5G era, discuss emerging growth drivers and opportunities, outline potential business models and applications, and study the impact of key government and private sector initiatives. The conference will also showcase innovations and most promising technologies in this arena. It will provide a platform for telecom service providers, tower companies, policymakers, OFC manufacturers and technology providers to share their experiences and exchange ideas.

TARGET AUDIENCE

The conference is targeted at top and middle-level managers from:

- ❖ Telecom operators
- ❖ Other investors
- ❖ 4G service/solution providers
- ❖ Telecom tower manufacturers
- ❖ Policymakers and regulators
- ❖ Power solution providers
- ❖ 5G technology providers
- ❖ Infrastructure equipment manufacturers
- ❖ Infrastructure service providers
- ❖ Energy efficient technology providers
- ❖ Technology providers
- ❖ Legal and management consultants
- ❖ Broadband service providers
- ❖ Energy management consultants
- ❖ Engineering design consultants
- ❖ Supporting infrastructure companies
- ❖ Civil contractors
- ❖ Industry analysts
- ❖ Financial institutions
- ❖ Renewable energy companies
- ❖ Infrastructure developers
- ❖ Wireless internet service providers
- ❖ OFC manufacturers
- ❖ Telecom equipment manufacturers, etc.

AGENDA/STRUCTURE

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MANUFACTURER'S PERSPECTIVE

- ❖ What are the emerging opportunities for OFC manufacturers at present?
- ❖ What are the key industry concerns/challenges?
- ❖ What modernisation, expansion and R&D initiatives are you undertaking in the OFC space?

EMERGENCE OF NEW TECHNOLOGIES

- ❖ What are the latest technology initiatives in the OFC space?
- ❖ What are the benefits of these technologies?
- ❖ What are the new product offerings by Indian companies?

FOCUS ON 5G

- ❖ What infrastructure trends will shape the 5G landscape in India?
- ❖ What are the key 5G use cases from India's perspective? What role will OFC play in supporting these use cases?
- ❖ What are the realistic timelines and investment requirements?

FIBERISING TELECOM TOWERS

- ❖ What is the current level of tower fiberisation in the country?
- ❖ What role will fiberisation play in preparing for a 5G ecosystem?
- ❖ What are the key challenges and future outlook?

FIBRE-TO-THE-X

- ❖ What are the key drivers for FTTx uptake?
- ❖ What is the current status of FTTx deployments by the industry?
- ❖ What are the key challenges and outlook?

FOCUS ON MATERIALS USED FOR OFC MANUFACTURING

- ❖ What are the key materials used for OFC manufacturing?
- ❖ What are the benefits of these materials?
- ❖ What are the new and upcoming solutions for manufacturing OFC?

POLICY AND REGULATORY SCENARIO

- ❖ What is the current scenario in terms of policy and regulatory support to the OFC industry?
- ❖ What are the key issues and challenges?
- ❖ What new steps does the government need to undertake to promote growth of the OFC industry?

PROGRESS UNDER GOVERNMENT PROGRAMMES: SPOTLIGHT ON BHARATNET

- ❖ What has been the implementation experience of Phase II of the programme? What has been the progress so far?
- ❖ What has been the progress under the PPP mode of implementation?
- ❖ What have been the key challenges? What lessons have been learnt?

PROGRESS UNDER GOVERNMENT PROGRAMMES: ASCON

- ❖ What has been the implementation experience of government programmes such as ASCON for the defence forces?
- ❖ What has been the progress so far?
- ❖ What have been the key challenges and lessons learnt?

INITIATIVES BY INDIAN RAILWAYS

- ❖ What are the OFC deployment initiatives undertaken by Indian Railways?
- ❖ What is the current length of Indian Railways' OFC network? How is the network being monetised?
- ❖ What are your OFC expansion plans?

DEMAND FROM UTILITIES

- ❖ What are the OFC deployment initiatives undertaken by utilities?
- ❖ What is the current length of their OFC network? How is the network being monetised?
- ❖ What are your OFC expansion plans?

FOCUS ON TELCOS

- ❖ What is the current status of OFC deployments? How do you plan to leverage opportunities in the 5G era?
- ❖ What are your expectations from OFC manufacturers?
- ❖ What are your OFC network expansion plans?

STATE FOCUS

- ❖ What is the current level of fiberisation across states? What have been the key growth drivers for fiberisation?
- ❖ What are some of the state-wide fibre projects being rolled out/planned?
- ❖ What applications are riding on OFC networks?

OPPORTUNITIES UNDER SMART CITIES

- ❖ What applications are supported by OFC networks in smart cities?
- ❖ What has been the progress and level of investment so far?
- ❖ What are the key challenges in OFC deployment?

DEMAND FROM NEW AND EMERGING SEGMENTS: WI-FI, IBS AND DATA CENTRES

- ❖ What is the role of optic fibre cabling in the Wi-Fi, IBS and data centre segments? What are the backhaul technology requirements for each of these segments?
- ❖ What is the current fiberisation footprint under these segments?
- ❖ What are the future growth prospects in terms of OFC expansion?

Key Previous Speakers:

- ❖ **Neeraj Mehrotra**
Director, Ministry of Communications & IT, DoT
- ❖ **K.D. Lakhmani**
Principal General Manager, Bharat Sanchar Nigam Limited
- ❖ **Pradeep Agarwal**
Advisor, Gurugram Smart City
- ❖ **Abdul Ashfaq**
National Head, Fiber Planning, Bharti Airtel
- ❖ **Jaswant Dabi**
Chief General Manager, Operations and Marketing, BBNL
- ❖ **Satish Jamadagni**
Vice President, Network Planning Engineering, Reliance Jio
- ❖ **Athar Amir Khan**
CEO, Srinagar Smart City
- ❖ **Sushil Kumar**
Deputy Director General (IOT), DoT
- ❖ **Suresh Kumar**
ED/ Operations, RailTel
- ❖ **Sanjai Kumar**
General Manager – Projects, Railtel
- ❖ **Ranjan Kumar**
Joint Secretary, DoT
- ❖ **K.D. Lakhmani**
Principal General Manager, BSNL
- ❖ **S.K. Nain**
General Manager, Core Network Planning, BSNL
- ❖ **D.S. Paswan**
General Manager, GaiTel
- ❖ **Anshu Prakash**
Additional Secretary (T), Department of Telecommunications, Ministry of Communications
- ❖ **Sairam Prasad**
President, Field Operations, Reliance Jio
- ❖ **Colonel R.S. Thakur**
Director Network for Spectrum, Directorate General Signals, Integrated Headquarters of Ministry of Defence (Army)
- ❖ **Deepak Sanghi**
Senior Vice President, Bharti Airtel
- ❖ **Deepak Saxena**
Executive VP, Vodafone Idea
- ❖ **Annirudhha Shahapure**
Chief Knowledge Officer, PSCDCL
- ❖ **H.H. Sharan**
Additional General Manager, Load Despatch & Communication, Power Grid Corporation of India
- ❖ **Sarvesh Singh**
Chairman and Managing Director, Bharat Broadband Network Limited
- ❖ **Jagdeep Singh**
Executive Director, Operations, RailTel Corporation of India
- ❖ **S.K. Singhal**
Advisor, Telecom Regulatory Authority of India
- ❖ **B. Sundar**
Special Secretary, Department of ITEC, Government of Andhra Pradesh
- ❖ **Hans Raj Verma**
Additional Chief Secretary, Government of Tamil Nadu
- ❖ **D. Yadav**
General Manager, Telecom, Power Grid Corporation of India

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DELEGATE FEE

Delegates	Fee			
	INR	GST@18%	Total INR	Total USD
One delegate	25,000	4,500	29,500	450
Two delegates	40,000	7,200	47,200	700
Three delegates	55,000	9,900	64,900	950

- Please contact us for registration of more than 3 delegates.
- GST @18 per cent is applicable on the registration fee.
- Registration will be confirmed on receipt of the payment.

TERMS AND CONDITIONS

Payment Policy

- ❖ Full payment must be received prior to the conference. For discounted rates, the payment must be received on or before the discount expires.
- ❖ Substitution and name changes are welcome at no extra charge.

Disclaimer

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- ❖ Please note that it may become necessary for reasons beyond the control of the organisers to make alterations to the content and timing of the programme or speakers.

Organiser

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GET IN TOUCH

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