11th Annual Conference on

OFC NETWORKS IN INDIA

A VIRTUAL CONFERENCE

Market Trends, Emerging Opportunities and Future Outlook

February 14-15, 2022

Organisers:

tele.net

Indian Infrastructure

Co-sponsor:

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MISSION

- Over the past two years, OFC has emerged as a key pillar of India's digital ecosystem. The need for high-speed and reliable connectivity became more apparent during the Covid-19 pandemic, with millions of people working from home or from remote locations, providing a fresh impetus to fibre-based broadband.
- The new work-from-home norm has also brought data centres and in-building solutions such as FTTH, small cells and Wi-Fi hotspots into the spotlight. These solutions too require huge investments in fibre roll-outs inside buildings and to the curb.
- OFC roll-outs in India have more than doubled during the past two years. These roll-outs have been driven by the government's push to increase internet penetration through projects such as Digital India, BharatNet, Smart Cities Mission and National Broadband Mission, and through telcos' growing focus on site as well as last-mile fiberisation.
- However, the fact that India's current fibre penetration stands at less than 30 per cent for tower sites and at a mere 7 per cent for households indicates the segment's huge potential.
- The demand for OFC is also expected to increase significantly as India steps into the 5G era. With operators already conducting 5G trials and commercialisation of the technology, India will require a massive upgradation of its existing OFC networks to deliver on the 5G promise. The industry will see the installation of a large number of towers at shorter distances, the deployment of thousands of small cells, and the setting up of an extensive network of edge data centres, all of which will require fibre-supported backhaul.
- On the supply side, while the pandemic impacted OFC production for a brief period, its associated push towards digitalisation led to an early revival of demand. As a result, key OFC manufacturers have either added or are planning to add capacities to their existing manufacturing set-ups.
- While OFC roll-outs continue to gather steam, their pace of growth could be much higher if the telecom industry's financial situation was better and roadblocks relating to RoW were addressed. The RoW charges for laying OFC across key cities vary from Rs 50,000 per km to Rs 13 million per km. Further, extending the benefits of the production-linked incentive (PLI) scheme to homegrown OFC makers is the need of the hour, as this could help them boost their manufacturing capabilities.
- Going forward, the industry needs to rapidly scale up OFC infrastructure by exploring new OFC roll-out/sharing models. This would require the active involvement of non-telco players such as towercos and utilities in sectors such as power, gas, water and railways, which can operate as neutral wholesale providers for telcos. On the OFC manufacturing front, players can leverage opportunities under the recently approved public-private partnership (PPP) model for the BharatNet project.
- **The mission of this conference is to highlight key market trends for OFC in India, 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.**

TENTATIVE CONFERENCE PROGRAM

MARKET TRENDS AND OUTLOOK

- What are the key trends in the OFC market in India?
- What are the key issues and challenges?
- What is the outlook for the segment in the post-Covid era?

INDUSTRY PERSPECTIVE

- What are the key initiatives that have been taken in the OFC industry?
- What are the key industry concerns and challenges?
- What is the technology potential in the OFC market? What is the outlook for the segment?

PROGRESS 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 and lessons learnt?

TELCO PERSPECTIVE: NETWORK EXPANSION AND INVESTMENTS

- What is the current status of OFC deployments? What are the expansion plans?
- What are your views on the industry's 5G readiness? What are the infrastructure-related requirements for 5G roll-out?
- What are the expectations from OFC suppliers?

RoW UPDATE: CURRENT STATUS AND THE WAY FORWARD

- What is the current status of implementation of the RoW rules across states?
- What are the key issues and challenges?
- How can the telecom industry work in collaboration with various departments to resolve the issues?

KEY CONSUMER SEGMENTS: DEFENCE, RAILWAYS AND UTILITIES

- What is the current size of the OFC network of key consuming segments? How is the network being monetised?
- What are the key issues and challenges?
- What are the future expansion plans?

STATE FOCUS: KEY INITIATIVES AND PLANS

- What is the current level of fiberisation across the state? 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?

TOWER SITE FIBERISATION

- 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?

LAST-MILE FIBERISATION

- What are the key drivers for FTTH uptake?
- What is the current status of last-mile OFC deployments by the industry?
- What are the key challenges and outlook?

FOCUS ON SMART CITIES

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

OFC REQUIREMENTS FOR 5G

- What are the key 5G use cases from India's perspective? What are the OFC requirements for 5G?
- What is the industry readiness for 5G commercialisation? What are the realistic timelines and investment requirements?
- What are the key technology and infrastructure trends that will shape the 5G landscape in India?

TECHNOLOGY SHOWCASE

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

ACTIVE INFRASTRUCTURE SHARING

- What impact will DoT's move to amend the licence regulations on active infrastructure sharing have on the industry?
- What is the cost economics of active infrastructure sharing?
- Are there any other steps needed to make the regulatory environment more conducive for such sharing in India?

DEMAND FROM KEY 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 of these segments?
- What are the future growth prospects in terms of OFC expansion?

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.

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DELEGATE FEE

Login	INR	GST@18%	Total INR	Total USD
One login	15,000	2,700	17,700	250
Two logins	25,000	4,500	29,500	400
Three logins	35,000	6,300	41,300	550

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- 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.

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- ❖ Indian Infrastructure shall assume no liability whatsoever in case the event is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders the performance of this conference impracticable, illegal or impossible. For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.
- ❖ 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.

GET IN TOUCH

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Organiser

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