

May 09, 2024

To,

The Manager Listing Department National Stock Exchange of India Limited Exchange Plaza, Bandra Kurla Complex, Bandra (East), Mumbai– 400051

Company Trading Symbol: FROG

RE: Disclosure under Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 ("SEBI Listing Regulations").

Subject: Investor Presentation – May 2024

Dear Sir(s)/ Madam,

With reference to the subject above, please find attached herewith Investor Presentation – May 2024.

The same will also be available on the website of the company at www.frogcellsat.com

This is for your information and records.

Thanking You Yours Faithfully, For Frog Cellsat Limited

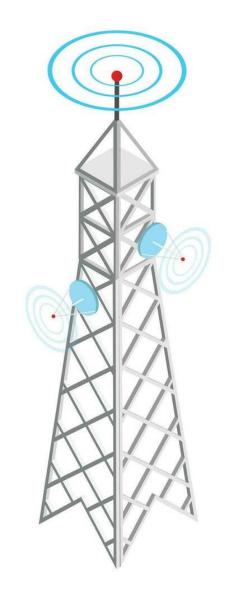
Manisha Makhija Company Secretary

Regd. Office : No. 1, G.F., Old Gupta Colony, D-B CIN : L51909DL2004PLC127530



SAFE HARBOR





Certain statements in this document may be forward-looking statements. Such forward-looking statements are subject to certain risks and uncertainties like government actions, local, political, or economic developments, technological risks, and many other factors that could cause our actual results to differ materially from those contemplated by the relevant forward-looking statements. Frog Cellsat Limited ("FCL" or the "Company") will not be in any way responsible for any action taken based on such statements and undertakes no obligation to publicly update these forward-looking statements to reflect subsequent events or circumstances.

ATMANIRBHAR BHARAT



Empowering 'Make in India' Initiative Through Developing Import Substitute & Technologically Advanced Products





FCL AT A GLANCE



Over two decades of mastery in delivering cutting-edge wireless coverage enhancement solutions.



Positioned as a price-competitive, field-proven, future-ready, and dependable force in the industry.

Renowned as prominent manufacturers of telecom equipment.



Trailblazers in pioneering Interference Mitigation Technology.

Boasts a state-of-the-art production and R&D hub located in Noida.



Proficiency spans the entire value chain, from Designing to Manufacturing and Installation of Active DAS, RF Repeaters, and Customized RF solutions.

Trusted by industry giants like Airtel, Jio, Vodafone Idea, Adani, Motorola, and more.





Committed to continuous R&D efforts to meet the evolving needs of the telecom sector.

Produces ISO-certified products rivaling the quality of larger corporations.

BUILDING UPON A SUCCESSFUL LEGACY





Mr. Konark Trivedi

- Over 25 years of dynamic experience in the telecommunications industry
- Brings expertise from previous roles at renowned companies such as HCL and others
- Holds impressive academic qualifications with PG and B.Tech in mobile and satellite communication.



Mrs. Sonal Trivedi
Co-Founder & CPO

- Extensive experience spanning over 20 years in HR, Training, Administration, and Culture Building
- Instrumental in shaping a vibrant culture and implementing robust HR policies at Frog, leading to prestigious recognitions such as "Great Place to Work," GPW – Women, and Best in Telecom awards
- Holds a gold medal in Master of Industrial Psychology from HNBGU and is a CELTA certified teacher (Certificate of English Language Teaching to Adults) from the British Council, New Delhi (affiliated with Cambridge University)



Mr. Charan Jeet Kalra

- Holds over 10+ years of experience in implementing strategic financial decisions and overseeing finance operations.
- Currently responsible for managing endto-end operations, including Banking, Liquidity Management, Budgeting, Forecasting, Project funding, Auditing & Accounting, and MIS & PL controls, among others, for Frog CellSat.



Mr. Tarun Tularam Sharma

- Drives FCL's long-term technology vision and oversees R&D initiatives focused on coverage enhancement solutions for nextgeneration networks, emphasizing technology standards, innovation, customization, and industry collaboration.
- Prior to joining FCL in 2009, served as a specialist on CDMA and WiMAX technology at Nortel India's Knowledge Services division and led Marketing & Systems SBU at India Satcom
- Headed the Voice Communications Group at Reliance

OUR JOURNEY



- Incorporated Frog Cellsat and became Indian Sales Representative for sales of CDMA Repeaters.
- First customer RCOM

2004

Established first level repair centre for CDMA

2005

repeaters

- Switched to a new business model of buying imported products and selling (Trading). Added new product "GSM Repeaters".
- Customer Added: Nokia
 Siemens / Airtel

2006 -----

Product Addition:
 WCDMA / 3G
 Repeater; IBS
 Accessories,

Started I&C Services

Repeaters.

2007

nationwide. Started R&D

for in-house design of

Customer Added: Ericsson

Customer
 Addition: Uninor

Product Addition:
 LTE / 4G Repeater,
 Jumpers, Started
 BTS-related services,
 Customer Added:

Set up the first manufacturing unit in Dehradun. Started the production of Repeaters based on in-house developed

Product Addition:

Optical DAS, CPRI

SFP, Small Cell

Antenna

2016

jumper, RET Cable,

2017-2021

R&D Got DSIR

Approval

Product

Addition:

Diplexers/

Filters

ssories, 2010
omer

2008

Jumpers, Started
BTS-related services,
Customer Added:
Vodafone

New Production

2012-2014

design

- Company listed on NSE
 - SME Platform
- Application approved under Design led manufacturing PLI scheme

2022 -----

 Incorporated a whollyowned UK subsidiary named GORF UK Limited

2023-2024

- Shifted to new manufacturing unit in Noida
- Product Addition:
 Ethernet Cable,
 Interference Mitigation
 System, Customer Added:
 Jio

Unit at Noida

PRODUCT OVERVIEW



| Product | Product Description | Application | Product Image |
|---|---|---|---------------|
| Interference Mitigation System "OPTiX" | OPTIX is a solution based on Patented technology and helps reduce interference reaching to BTS Sites on their Uplink path from various sources. | OPTIX helps Mobile Operator to increase their BTS coverage by cleaning interference and enabling BTS Site to read even weaker signal coming from farther location improving significantly KPIs such as RSSI, Call success rate, VoLTE Traffic, data traffic, etc. | |
| Network Accessories -Includes Jumpers, CPRI, RET Cable, Multiplexers, Filters, SFP, Feeder Cable | Network accessories are used to combine, split, switch, boost, or direct packets of information along telecommunications network. | Products for integrating mobile cell site. | |
| Digital Repeaters | Enhances cellular coverage in dark zones for a single operator | Improving mobile signal indoors for small to mid-size area like offices, residencies, etc Providing mobile coverage in remote areas | € FROG |
| Optical DAS | Optical Distributed Antenna System supports multi-technologies and multi-operators for cellular coverage to medium and large facilitie | Improving mobile coverage in large size venues like stadiums, airports, etc. Covers all cellular bands and public safety bands | |
| Antenna | Antennas radiate RF power and illuminate the dark zones | Provides BTS coverage Provides small cell coverage | |
| IBS Accessories | Provides indoor coverage using a series of hubs/Equipment's distributing the signal to number of antennas | Products for integrating solution for inbuilding mobile coverage Includes Yagi/panel/omni antenna, RF splitters/combiners, dummy load | |

SPECTRUM OF SERVICES PROVIDED TO TELECOM COMPANIES



In-Building

Installation and Roll-out Services: includes RF Survey

Active /Passive DAS Design through IBwave / Manual, Deployment & Integration Passive DAS, Active DAS, Small Cell, Lamp site, Radio DOT, Femto Cell. Acceptance Testing and Optimization. NMS setup and configuration Femto Deployment & Project Management.

Network Maintenance Services includes:

Operation and Maintenance, Modification and expansion Planning and Deployment Troubleshooting & Rectification.

BTS, MW & Small Cell I&C

Installation and Roll-out Services include:

RFI Survey, BTS Installation and Integration, BTS De-installation (End to End Scope) MW Installation and Commissioning, E1 Testing, Link NMS Visibility. Acceptance Installation & Commissioning. RET installation, Indoor, Outdoor Small Cell & ULS I&C.

Network Maintenance Services includes:

Link Alignment BTS Indoor to Outdoor Installations, BTS Swaps Microwave Upgrades 4th Sector Addition Traffic Shifting & Optimization ODU Upgradation, Site Relocation, GSM Antenna / RRU Hight adjustment.

RF Planning & Optimization

Installation and Roll-out Services: includes RF Survey

LOS (MW) Survey, RF & TX Planning, Optimization (RF KPIs), Drive Test / SCFT, Network Benchmarking and Acceptance Testing, EMF Measurement and Reporting

Network Maintenance Services:

Network Complaint Rectification



BROAD CUSTOMER BASE ACROSS INDUSTRIES



| Domestic Mobile Operators | SI & Telecom Equipment Providers | In-Building Coverage Infra Providers | Large Project Developers | Government & Defence | International Mobile Operators & SI |
|---------------------------|-------------------------------------|---|--|--|-------------------------------------|
| | NOKIA | | adani | CITI CHARACION | |
| airtel | | ATC INDIA | SIEMENS | SOFIEC | banglalink |
| Jio | MOTOROLA | | HITACHI | Electronics Corporation of India Limited | |
| TM | ERICSSON | indus TOWERS | Nagarjuna Construction Company Limited | | telecel EMTEL Feel Free |
| • | HUAWEI | CREST | LARSEN & TOUBRO | | robi Ncell |
| | ACE | | Commitment, Reliability & Quality TEJAS NETWORKS | आरत इलेक्ट्रॉनिक्स BHARAT ELECTRONICS | Gibtelecom |

OPPORTUNITIES FOR GROWTH



Each product has a

50+Cr

Opportunity/year

Infra Projects (Airports and Metro)

VI 4G Site Accessories

5G FWA Terminal

I&C Services Expansion

Each product has a

100+Cr

Opportunity/year

Jio 5G Site Accessories

Tejas / BSNL 4G Site Accessories

Enterprise Products: UBR, ONT, etc.

Interference Mitigation System

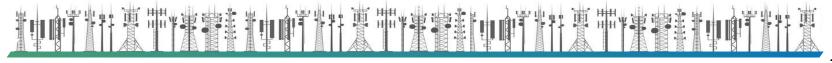
Each product has a

200+Cr

Opportunity/year

Manufacturing Services

Defence Offset Projects



R&D INVESTMENTS



Yearly Investment, Incremental Revenue and Incentive Receivable under the PLI scheme:

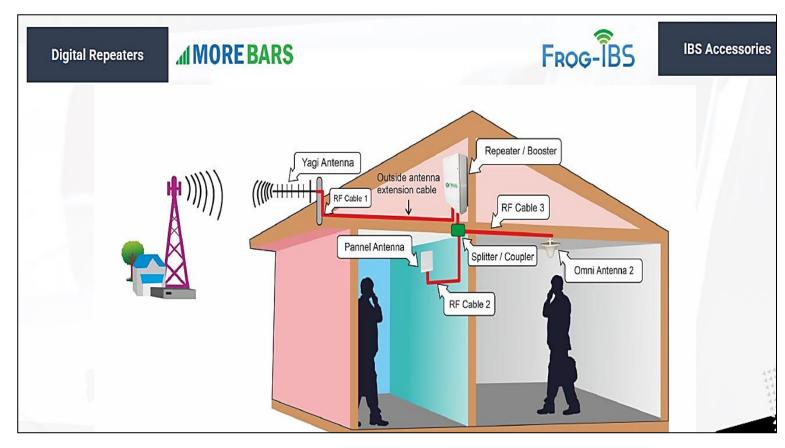
| FY (₹ in Crores) | Minimum Incremental Investment over the Baseline (i.e. after 31- Mar-2022) (Cumulative) | Minimum Eligible Incremental Net Sales of Manufactured Products over the Base Year (A) | Maximum Eligible Incremental Net Sales of Manufactured Products over the Base Year (B) | Sales Forecast as submitted by the applicant (C) | Eligible Net Sales for Incentive (Lower of B & C) (D) | Eligible Net Sales i.r.o. Products complying with Design-led Criteria (out of D) | Maximum Incentive Payable |
|---------------------|---|--|--|--|---|---|------------------------------|
| FY23 | 3.20 | 9.60 | 64.00 | 65.00 | 64.00 | 64.00 | 5.12 (8%) |
| FY24 | 6.40 | 19.20 | 128.00 | 130.00 | 128.00 | 128.00 | 10.24 (8%) |
| FY25 | 11.20 | 33.60 | 224.00 | 225.00 | 224.00 | 224.00 | 15.68 (7%) |
| FY26 | 16.00 | 48.00 | 320.00 | 325.00 | 320.00 | 320.00 | 19.20 (6%) |
| FY27 | - | 48.00 | 320.00 | 350.00 | 320.00 | 320.00 | 16.00 (5%) |
| Total | 16.00 | 158.40 | 1,056.00 | 1,095.00 | 1,056.00 | 1,056.00 | 66.24 |

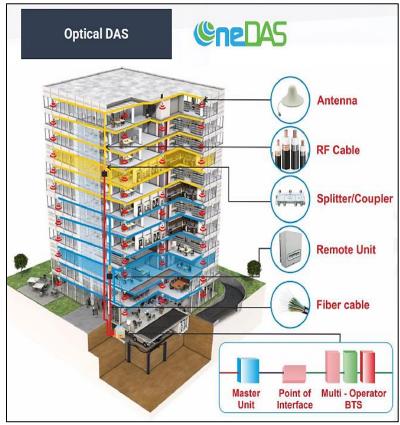
Product under PLI scheme:

| Index No. | Name of Product | Production Status |
|-----------|---|----------------------|
| P01 | Cavity Multiplexer / Filter / Coupler and Splitter / Combiner / Termination | Production Started |
| P02 | Digital Repeater | Production Started |
| P03 | IBS Antennas | Production Started |
| P04 | Optical DAS | Production Started |
| P05 | Microwave Antenna and Base Station Antennas | Production Started |
| P06 | Interference Mitigation System (IMS) | Production Started |
| P07 | 4G/5G CPE | Ready for production |
| P08 | GPON ONT/ONU | Ready for production |
| P09 | Digital DAS | Yet to Start |
| P10 | Jammer | Yet to Start |
| P11 | 4G/5G Small Cells | Yet to Start |
| P12 | GPON OLT | Yet to Start |
| P13 | Unlicensed Band Radio | Yet to Start |
| P14 | Open RAN Radio Unit | Yet to Start |
| P15 | IOT / M2M Devices including End-point Devices, EDGE Devices, Routers & Gateway and NMS System | Yet to Start |
| P16 | Microwave Radio | Yet to Start |

TRANSFORMATION FROM REPEATER SUPPLIER TO AN END TO END TELECOM SOLUTION PROVIDER

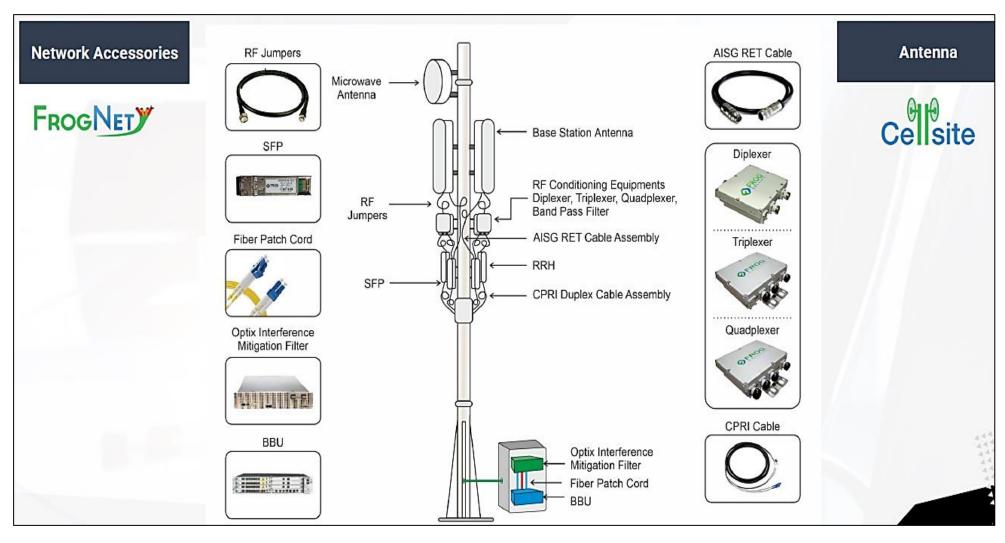






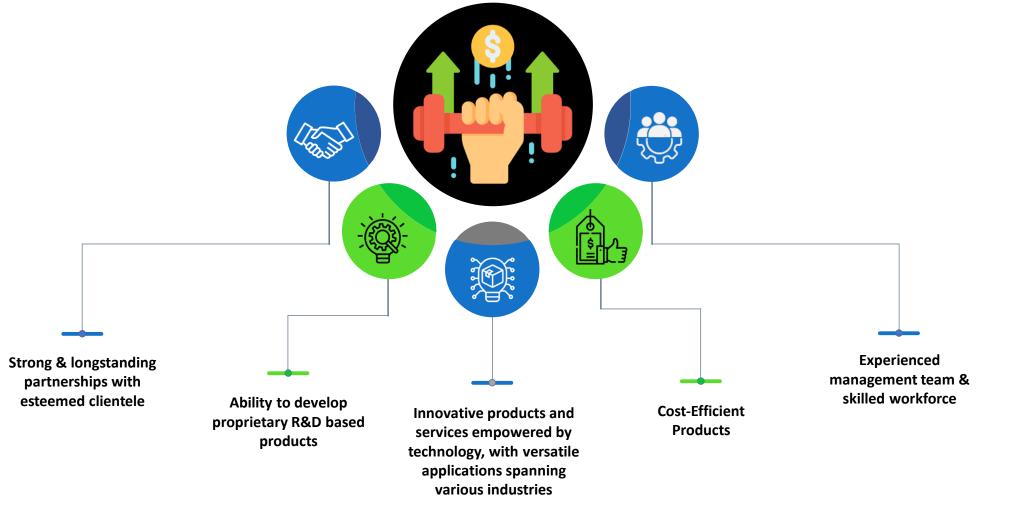
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KEY BUSINESS STRENGTHS





FY24 BUSINESS UPDATE AND UPCOMING BUSINESS OUTLOOK



What we plan to do in FY25

To increase wallet share in the same

Expecting commercial closure soon with operators and aims to start supplying the product/service in the coming quarters

Will provide "Trusted Products" to the telcos as it has been mandated by Government to deploy only certified "Trusted Products" in Mobile Networks.

Development work in progress for Digital DAS, 5G DAS, UBR, 5G FWA, Smart Repeaters for Smart Meter.

To retain and attract top talent in this space which will provide competitive edge

This will consolidate all operations under one roof bringing efficiencies and better control.

Onboarded new customers like Jio, Tejas, ITI Ltd, Indus, Crest Digitel Successfully tested Interference Mitigation Solution on both Ericsson and Nokia technologies Got certified as "Trusted Source" with several products as "Trusted Products" by National Security Council. (As per new guidelines Mobile Operators can only deploy products which are from "Trusted Source" and are certified as "Trusted Products")

Added New
Products: DCPD,
Ethernet Cables, VHF
Repeater and VHF
DAS for railways, 5G
Repeater, GPON
ONT, Installation Kits
for FWA & UBR

Got certified as "Great Place to Work" with excellent ratings. Finished construction of new facility with floor area of 1.6 Lakh Square Feet in Noida

What we did in FY24

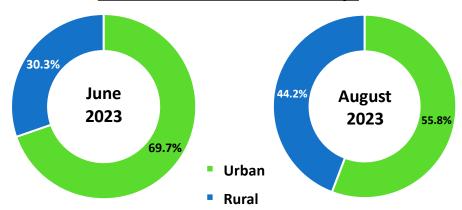
INDUSTRY OVERVIEW

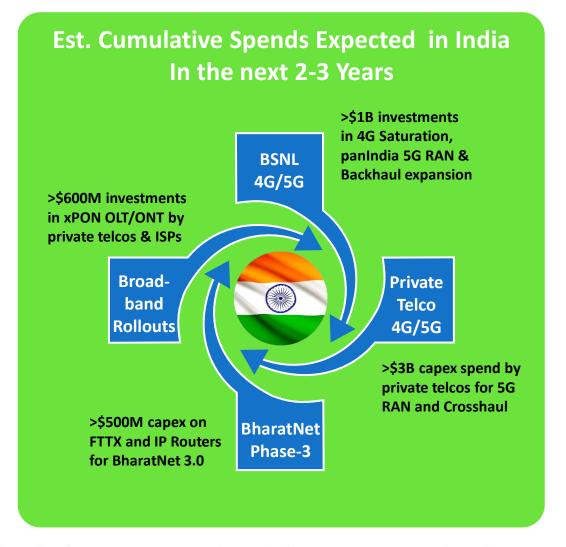


Large Opportunities in Domestic Markets

- India is currently the second-largest telecommunication market and has the second-highest number of internet users in the world.
- The PLI scheme in telecom and networking products aims to make India a global hub of manufacturing telecom equipment.
 - It is estimated that full utilization of the scheme funds is likely to lead to incremental production of about ~ ₹2.6 lakh crore (\$ 32.01 Bn) with exports of ~ ₹2.2 lakh crore (\$ 26.67Bn) over five years

Urban and Rural tele-density:



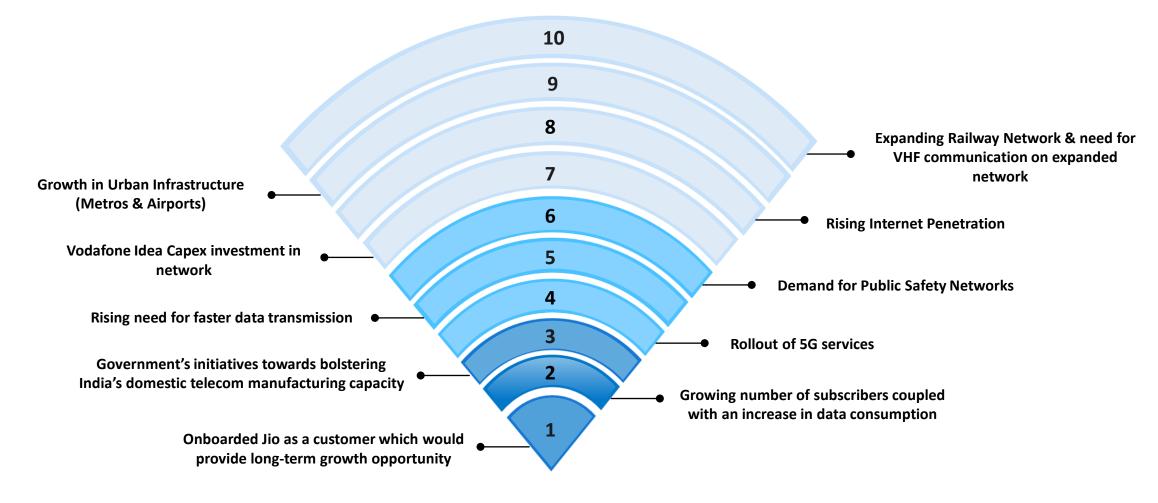


Sources: Omdia and Insight Partners

Source: https://www.investindia.gov.in/pli-scheme-for-telecom

GROWTH DRIVERS





MANAGEMENT COMMENTARY



Commenting on FCL's performance, Mr. Konark Trivedi, Founder MD said:

"We are happy to share a strong overall financial and business performance for Financial Year 2023-2024, the revenue from operations grew by 16.68% to INR 1,577.33 Mn for FY24 as compared to INR 1,351.89 Mn in FY23. This growth was primarily fueled by increased investments in advanced telephony infrastructure by leading telecom operators, driven by strong demand for both data and voice services. Adj. EBITDA stood at INR 218.53 Mn in FY24, margins stood at 13.85%. PAT stood at INR 155.19 Mn for FY24 and margins stood at 9.84%.

As we march forward in the new financial year, we're excited to announce the addition of 7 new products in our portfolio led by our continuous focus to develop R&D led products. These products are used across various applications in telecom infra equipment like Mobile Networks, Railway communication Networks and Metros and Airports. We expect substantial growth in our IBS business and VHF Solution tailored for use in railways. Additionally, our focus on manufacturing services, coupled with the introduction of new products such as GPON ONT, FWA, UBR, and Ethernet cables, is expected to fuel our revenue growth. Lastly, we're nearing the finalization stages for commercial deployments for our Interference Mitigation System with operators.

Furthermore, we are also thrilled to announce our strategic move towards advancing our manufacturing capabilities by setting up SMT Line for PCB Assembly, thereby initiating our venture into the manufacturing services segment.

Notably, we anticipate increased sales from one of our clients for the ongoing 4G network upgrade and it's worth noting that our existing order book stands at ₹610.00 Mn as of 31st March 2024, reflecting continued confidence in our solutions and services.

On the industry front, the telecommunications landscape is witnessing a surge in capex of approximately \$5 Bn from Indian telecom operators. This aligns closely with the rapid deployment of 5G services and the ongoing enhancement of network infrastructure, reflecting a response to growing demand for data services. These investments underscore the industry's commitment to delivering superior network experiences and fostering digital inclusion nationwide.

Furthermore, our services continue to experience robust demand, driven by our well-established expertise and esteemed brand reputation. FCL maintains its prominent position within the telecom equipment sector. Our robust in-house R&D capabilities empower us to develop high-quality products that not only offer cost-effectiveness but also serve as viable alternatives to imports. Leveraging these R&D strengths, we have diversified our product portfolio to include offerings in the 5G, defense, and mobile network sectors, contributing to the advancement of connectivity nationwide.

Lastly, I would like to thank our shareholders, customers, and employees for their continued support. We look forward to another successful year ahead and remain committed to delivering value and growth for our shareholders."



CONSOLIDATED INCOME STATEMENT



| Particulars (Rs. Mn) | Q4 FY24 | Q4 FY23 | YoY% | Q3 FY24 | FY24 | FY23 | YoY |
|--|---------|---------|--------|---------|----------|----------|--------|
| Revenue from Operations | 444.97 | 311.31 | 42.93% | 446.82 | 1,577.33 | 1,351.89 | 16.68% |
| Other Income | 24.27 | 3.50 | | 0.45 | 31.87 | 10.91 | |
| Total Income | 469.25 | 314.82 | 49.05% | 447.28 | 1,609.20 | 1,362.80 | 18.08% |
| Total Expenses excl. D&A, Finance Cost & ESPS Cost | 369.62 | 261.84 | | 386.08 | 1,358.80 | 1,111.14 | |
| Adj. EBITDA (excl. Other Income and ESPS Cost) | 75.36 | 49.47 | 52.32% | 60.74 | 218.53 | 240.75 | |
| Adj. EBITDA Margin (%) | 16.94% | 15.89% | 104bps | 13.59% | 13.85% | 17.81% | |
| ESPS Expenses | - | - | | 14.45 | 14.45 | - | |
| EBITDA (excl. Other Income) | 75.36 | 49.47 | | 46.29 | 204.09 | 240.75 | |
| EBITDA Margin (%) | 16.94% | 15.89% | | 10.36% | 12.94% | 17.81% | |
| Depreciation & Amortization | 12.06 | 5.42 | | 6.54 | 31.13 | 16.08 | |
| Finance Cost | 2.92 | 0.24 | | 1.56 | 4.71 | 5.35 | |
| PBT | 84.64 | 47.32 | | 38.65 | 200.12 | 230.23 | |
| Extra Ordinary Items | - | - | | (0.67) | (0.67) | 25.18 | |
| PBT | 84.64 | 47.32 | | 39.32 | 200.78 | 205.05 | |
| Tax | 10.89 | 7.65 | | 10.62 | 45.59 | 54.15 | |
| PAT | 73.76 | 39.66 | 85.97% | 28.69 | 155.19 | 150.90 | |
| PAT Margin % | 16.58% | 12.74% | 293bps | 6.42% | 9.84% | 11.16% | |
| Diluted EPS | 4.79 | 3.00 | | 1.86 | 10.08 | 11.41 | |

^{*}Other Income Includes ₹27.30 Mn on account of PLI

CONSOLIDATED BALANCE SHEET



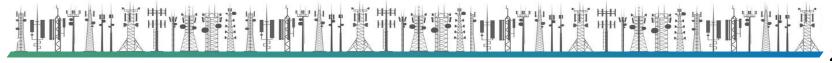
| Particulars (₹ in Mn) | FY24 | FY23 |
|-------------------------------|----------|----------|
| Assets | | |
| PP&E | 786.82 | 131.19 |
| Capital WIP | - | 358.88 |
| Intangible Assets | 29.52 | 2.56 |
| Deferred tax assets | 22.17 | 39.00 |
| Long term loans and advances | 6.32 | 33.55 |
| Other Non-Current Assets | 14.95 | 12.96 |
| Non-Current Assets | 859.78 | 578.14 |
| | | |
| Inventories | 262.18 | 250.48 |
| Trade Receivables | 308.25 | 278.52 |
| Cash & Cash Equivalents | 14.28 | 201.98 |
| Investments | 0.52 | 0.52 |
| Short term loans and advances | 82.82 | 33.98 |
| Other Current Assets | 53.66 | 29.70 |
| Current Assets | 721.70 | 795.18 |
| Total Assets | 1,581.49 | 1,373.32 |

| Particulars (₹ in Mn) | FY24 | FY23 |
|--|----------|----------|
| Equity & Liabilities | | |
| Equity Share Capital | 154.35 | 153.75 |
| Reserves & Surplus | 1,173.34 | 1,007.63 |
| Capital Reserve on Consolidation (net) | 4.07 | 4.07 |
| Shareholders Fund | 1,331.77 | 1,165.46 |
| Long Term Borrowings | 0.11 | - |
| Long Term Provisions | 20.75 | 14.96 |
| Non-Current Liabilities | 20.85 | 14.96 |
| | | |
| Short-term Borrowings | 46.92 | - |
| Trade Payables | 110.38 | 117.79 |
| Other Current liabilities | 68.30 | 63.53 |
| Provisions | 3.27 | 11.58 |
| Current Liabilities | 228.87 | 192.91 |
| Total Equity and Liabilities | 1,581.49 | 1,373.32 |

CONSOLIDATED CASH FLOW STATEMENT



| Particulars (Rs. Mn) | FY24 | FY23 |
|--|----------|----------|
| Net Cash Generation from operation | 71.43 | 72.15 |
| Net Cash Generated/ (Used in) investing activity | (302.74) | (346.44) |
| Net Cash Generated/ (Used) from Financing activity | 43.60 | 349.22 |
| Net Increase/(Decrease) in Cash and Cash Equivalents | 14.28 | 201.98 |



INFRASTRUCTURE















AWARDS AND CERTIFICATIONS







Recognitions awarded by Great Place To Work[®]

FROG CELLSAT IS ISO 9001:2015, ISO 14001:2015 and OHSAS 45001:2018 certified

Frog Cellsat awarded SME Grading of CRISIL SME 1

CAPITAL MARKET INFORMATION



| Price Data (As On 9 th May 2024) | INR |
|--|-----------------|
| Issued Shares | 1,54,35,600 |
| СМР | ₹196.50 |
| 52 week High/Low | ₹311.55/₹131.50 |
| Market Cap (INR Crs.) | ₹303 |



ABBREVIATIONS / DESCRIPTION



| Term | Description | |
|------|---|--|
| BTS | Base Transceiver Station | |
| CPRI | Common Public Radio Interface | |
| DAS | Distrubuted Antenna System | |
| GPS | Global Positioning System | |
| GSMA | Global System for Mobile Communications | |
| IBS | In-Building Solution | |
| IoT | Internet of Things | |
| MIMO | Multiple Input Multiple Output | |
| MVAS | Mobile Value-Added Services | |
| RAN | Radio Access Network Frequency | |
| RF | Radio Frequency | |
| RRHs | Remote Radio Heads | |
| RRUs | Remote Radio Units | |
| SISO | Single Input Single Output | |
| TRAI | Telecome Requiatory Authority of India | |
| WANI | Wifi Access Network Interface | |
| | | |





THANK YOU

For further information; please visit: www.frogcellsat.com

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