

Tejas Networks Ltd.

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December 12, 2023

The Secretary
National Stock Exchange of India Ltd
Exchange Plaza, C/1, Block G,
Bandra Kurla Complex, Bandra (East)
Mumbai – 400 051
NSE Symbol: TEJASNET

The Secretary
BSE Limited
P J Towers,
Dalal Street,
Mumbai – 400 001
BSE Scrip Code: 540595

Dear Sir/Madam,

Re: Press Release

Please find attached the joint press release issued by IIT Madras, IIT Kanpur and SAMEER on the 5G RAN technology licensing agreement with Tejas Networks Limited titled as “**IIT Madras, IIT Kanpur and SAMEER licence 5G Tech to TEJAS NETWORKS (A Tata Group Company) for Rs. 12 Crore.**”

Kindly take the above information on record.

Yours sincerely
For Tejas Networks Limited

RANGACHARI
RAVIKRISHNAN

Digitally signed by
RANGACHARI
RAVIKRISHNAN
Date: 2023.12.12 13:01:31
+05'30'

N R Ravikrishnan
General Counsel, Chief Compliance Officer
& Company Secretary



PRESS RELEASE

IIT Madras, IIT Kanpur and SAMEER licence 5G Tech to TEJAS NETWORKS (A Tata Group Company) for Rs. 12 Crore

A fine example of 'Atmanirbhar Bharat', this tech was indigenously-developed by IIT Madras, IIT Kanpur & SAMEER and is now being licensed to TEJAS NETWORKS, which will leverage it for further advancements & commercial applications

CHENNAI, 11th December 2023: In one of the largest technology transfer deals from academia in India, a 5G RAN (Radio Access Network) technology developed by a multi-institutional team has been licensed to an industry partner TEJAS NETWORKS (A Tata Group Company) for a sum of Rs. 12 Crore.

[IIT Madras](#), [IIT Kanpur](#) and the [Society for Applied Microwave Electronics Engineering and Research](#) (SAMEER) developed a '5G RAN sub-system' at the 5G Test Bed. The three institutions are jointly licensing the 5G RAN technology to [TEJAS NETWORKS](#) (A Tata Group Company) who will play a vital role in leveraging it for further advancements and commercial applications.

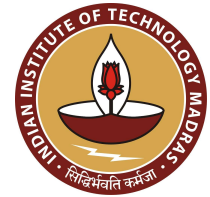
TEJAS NETWORKS will be paying a Transfer of Technology (ToT) non-exclusive, license fee of Rs. 12 crore in multiple instalments based on technical milestones.

The Licensing Agreement formal exchange ceremony was held today (11th Dec 2023) at IIT Madras campus. Prof. V. Kamakoti, Director, IIT Madras, Dr. Kumar N. Sivarajan, CTO of TEJAS NETWORKS (A Tata Group Company), Prof. Bhaskar Ramamurthi, IIT Madras, Dr. P. Hanumantha Rao, Director General, SAMEER, Prof. Rohit Budhiraja, IIT Kanpur and Dr. Radhakrishna Ganti, IIT Madras, who are the Principal Investigators of 5G Test bed from their respective institutes, Prof. Ajit Kumar Chaturvedi, Department of Electrical Engineering, IIT Kanpur and former Director, IIT Roorkee, and representatives of Director, IIT Kanpur, were among those who attended the event.

Others present on the occasion included Mr. Sudhir K. Marwaha, Group Co-Ordinator CC & BT, Ministry of Electronics and Information Technology (MeitY), Government of India, Prof. Manu Santhanam, Dean (IC&SR), IIT Madras, HoDs of academic departments of IIT Madras, 5G Test Bed team, Centre of Excellence In Wireless Technology (CEWIT) and IC&SR IPM Cell team from IIT Madras, among others.

Addressing this landmark event, Prof. V. Kamakoti, Director, IIT Madras, said, "I am very pleased that TEJAS NETWORKS is planning to adopt this 5G RAN technology developed indigenously by a multi-institutional team of researchers. This initiative is in line with the Atmanirbhar Bharat vision of the Government of India."

Prof. V. Kamakoti added, "This is an outstanding example of how translational research must happen in an inter-institutional, inter-disciplinary manner. This is a great example of



how research should translate into a product and then get deployed. I hope a billion users of our country will benefit from this technology.”

Speaking about the development, Prof. S Ganesh, Director, IIT Kanpur, said, “IIT Kanpur has been a pioneer in communication research in India. Our faculty have played a pivotal role in the development of this state-of-the-art indigenous 5G Test bed, specifically by developing Baseband Unit (BBU) of the 5G NR base station at the institute. As we know, 5G test bed has been developed as part of a multi-institute collaborative project. This collaborative effort not only complements India's stride in ground-breaking transformative innovation but also opens up tremendous growth prospects for India's rapidly evolving telecommunication industry.”

The 5G Test Bed was developed indigenously through a collaborative project involving eight institutes and funded by the **Department of Telecommunications (DoT), Ministry of Communications**. The 5G Test Bed was inaugurated by Shri Narendra Modi, Hon'ble Prime Minister, during May 2022, and has since been used extensively by industry and academia for testing new 5G products and use-cases.

Dr. P. Hanumantha Rao, Director General, SAMEER, said, “We at SAMEER, an autonomous R&D organisation under the Ministry of Electronics and information technology (MeitY), are pleased to be part of this journey of building an Indigenous end-to-end 5G solution as a home-grown technology in India. SAMEER has contributed in building an active MIMO and massive MIMO antennas and fully integrated mmWave phased arrays at FR1 (Sub 6 GHz) and FR2 (mmWave) bands respectively. The knowledge sharing of fully-functional 5G RAN technology of SAMEER in collaboration with IIT Madras and IIT Kanpur to Industry is a breakthrough achievement to create a secured 5G eco-space in telecom sector.”

Welcoming this technology transfer, Dr. Kumar N. Sivarajan, CTO and Co-founder, TEJAS NETWORKS (A Tata Group Company), said, “We are delighted to conclude a comprehensive 5G RAN technology licensing agreement with IIT Madras, IIT Kanpur and SAMEER. This sets a new benchmark in industry-academia collaboration in India's high-technology sector. As India's leading R&D driven telecom products company, we look forward to translating these cutting-edge innovations and integrating them into industry-leading products and solutions for India and the world.”

At the 5G Test bed, the hardware, firmware and software are being developed for the 5G base station in India. The 5G base station forms the radio access network (RAN) part of the 5G system. The base station is connected to the core network on one side on an IP network and the user equipment (cell phones) on the radio side.

Elaborating further, Prof. Ajit Kumar Chaturvedi, Department of Electrical Engineering, IIT Kanpur and former Director, IIT Roorkee, said, “Every facet of the 5G test bed project has been conceptualized in-house. It showcases IIT Kanpur's strength and keenness for the development of advanced communication technologies in Atmanirbhar India.”

Prof. Rohit Budhiraja, Department of Electrical Engineering, IIT Kanpur and Principal Investigator of the 5G Test bed Project, IIT Kanpur, said, “IIT Kanpur has designed state-of-



the-art 5G hardware and algorithms for 5G Test bed. The institute's dedicated efforts in this domain signify a commitment to developing cutting-edge technology in the field of 5G wireless communication."

Dr. Radhakrishna Ganti, Department of Electrical Engineering, IIT Madras, and Principal Investigator from IIT Madras, 5G Testbed Project said, "This milestone achievement is an outcome of collaboration between academic institutions, research organisations and industry with the support from the Department of telecommunications. This will undoubtedly shape the future of telecom technologies and deployments in India."

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ABOUT [IIT MADRAS](#)

Indian Institute of Technology Madras (IITM) was established in 1959 by the Government of India as an 'Institute of National Importance.' The activities of the Institute in various fields of Science and Technology are carried out in 17 academic departments and several advanced interdisciplinary research academic centres. The Institute offers undergraduate and postgraduate programmes leading to B.Tech., M.Sc., M.B.A., M.Tech., M.S., and Ph.D., degrees in a variety of specialisations. IITM is a residential institute with more than 600 faculty and 9,500 students. Students from 18 countries are enrolled here. IITM fosters an active entrepreneurial culture with strong curricular support and through the [IITM Incubation Cell](#).

Recognized as an Institution of Eminence (IoE) in 2019, IITM has been ranked No.1 in the '[Overall' Category](#) for the fifth consecutive year in India Ranking 2023 released by National Institutional Ranking Framework, Ministry of Education, Govt. of India. The Institute has also been ranked No.1 in the '[Engineering Institutions' category](#) in the same Rankings for eight consecutive years – from 2016 to 2023. It was also adjudged as the 'Top innovative Institution' in the country in Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019, 2020 and 2021. ARIIA Ranking was launched by the Innovation Cell of Ministry of Education.

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ABOUT [IIT KANPUR](#):

Indian Institute of Technology (IIT) Kanpur was established on 2nd November 1959 by an Act of Parliament. The institute has a sprawling campus spread over 1055 acres with large pool of academic and research resources spanning across 19 departments, 22 centres, and 3 Interdisciplinary programs in engineering, science, design, humanities, and management disciplines with more than 550 full-time faculty members and approximately 9000 students. In addition to formal undergraduate and postgraduate courses, the institute has been active in research and development in areas of value to both industry and government. For more information, visit www.iitk.ac.in

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