

**GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS**

**LOK SABHA  
UNSTARRED QUESTION NO. 4203  
TO BE ANSWERED ON 26<sup>TH</sup> MARCH, 2025**

**5G LAB AT GAUHATI UNIVERSITY**

**4203. DR. BHOLA SINGH:**

Will the Minister of COMMUNICATION be pleased to state:

- (a) the manner in which the establishment of the 5G Lab at Gauhati University will contribute to research and innovation in next generation telecom technologies; and
- (b) the details of the measures being taken to bridge the digital divide in rural Assam through initiatives like Samridhi Gram Yojana?

**ANSWER**

**MINISTER OF STATE FOR COMMUNICATIONS AND RURAL DEVELOPMENT  
(DR. PEMMASANI CHANDRA SEKHAR)**

- (a) Centre for Development of Telematics(C-DOT), the telecom R&D center of Govt of India, has established an indigenous 5G lab at Gauhati University that enables the faculty and students in gaining practical insights into an end-to-end 5G system, developing a deeper understanding of 5G technology, system capabilities while exploring new 5G use cases and applications and providing a foundation for advanced research and specification development for 6G technologies.
- (b) Government has taken following measures to bridge the digital divide in rural Assam:
- BharatNet project is being implemented in a phased manner to provide broadband connectivity to all Gram Panchayats (GPs) and villages beyond GPs on demand basis in the country including Assam. Under Samridhdh Gram Panchayat pilot project, targeted approach is adopted for providing Fibre to The Home (FTTH) connections to public institutions, private enterprises/ entrepreneurs and households, in identified one GP of each block of the country including Assam, as per Amended BharatNet program.
  - In addition to the 5G usecase lab at Gauhati University, Government has also established 5G use case lab at IIT Guwahati and NIT Silchar to support students, startups and MSMEs in testing and developing 5G-based usecase applications and solutions.

\*\*\*\*\*