

GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1054
TO BE ANSWERED ON: 10.02.2023

PROMOTION OF LIFI TECHNOLOGY

1054 SHRI S. NIRANJAN REDDY:

Will the Minister of Electronics and Information Technology be pleased to state:

(a) what steps have been taken by Government to promote LiFi technology in India which uses light to transmit data, and if so, the details thereof; and

(b) whether Government has conducted any test to ascertain its feasibility across domains in the country, if so, the details thereof?

ANSWER

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI RAJEEVCHANDRASEKHAR)

(a) and (b): LiFi is a technology that has large possibilities in India. Ministry of Electronics and Information Technology (MeitY) has funded an R&D project titled “Optical Wireless Access Network for Rural and Urban Communication” to Indraprastha Institute of Information Technology, Delhi (IIIT Delhi) and Education and Research Network India (ERNET India), an autonomous scientific society under MeitY. Under this project, the experimental work on Hybrid LiFi-WiFi system for indoor broadband access and solar-panels as LiFi receivers in a lab environment has been carried out. Further, IIT Delhi as part of Department of Telecommunications (DoT) funded 5G testbed project has developed a point-to-point LiFi system and demonstrated it. Hybrid LiFi-WiFi tests have been carried out for indoor broadband access in a lab environment.
