

GOVERNMENT OF INDIA  
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY  
**RAJYA SABHA**  
**STARRED QUESTION No. \*212**  
TO BE ANSWERED ON: 17.12.2021

**EFFICACY OF INTERNET EXCHANGES FOR  
INCREASING INTERNET SPEED**

**\* 212 SHRI ANIL BALUNI:**

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

- (a) the effectiveness of Internet Exchanges in increasing the internet speed, the details thereof;
- (b) the number of Internet Exchanges installed till date, the details thereof; and
- (c) the scheme to expand it further, the details thereof?

**ANSWER**

MINISTER OF ELECTRONICS AND INFORMATION TECHNOLOGY  
(SHRI ASHWINI VAISHNAW)

(a) to (c): A Statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO RAJYA SABHA  
STARRED QUESTION NO. \*212 FOR 17.12.2021 REGARDING  
EFFICACY OF INTERNET EXCHANGES FOR  
INCREASING INTERNET SPEED**

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(a): Establishing Internet Exchanges reduces the path of the internet traffic coming from one Internet Service Provider (ISP) to other ISPs & participating networks like content delivery networks (CDNs), Data Centres etc. Internet Exchanges reduces latency, improves response time and potentially reduces cost to deliver Internet services & contents.

(b): National Internet Exchange of India (NIXI), Section 8 company under Ministry of Electronics & Information Technology has setup (Twelve) Internet Exchanges at the data centres mentioned in below table:

<b>S. No</b>	<b>Data Centres</b>	<b>Location</b>
1	NTT Global Data Centers	Noida, Uttar Pradesh
2	Sify Technologies Limited	Chennai, Tamil Nadu
3	Cyquator Technologies	Vashi, Mumbai, Maharashtra
4	ST Telemedia Global Data Centres India Private Limited	Kolkata, West Bengal
5	CtrlS Datacenters Ltd	Hyderabad, Telangana
6	Sify Technologies Limited	Bangalore, Karnataka
7	(n)Code Solutions – A Division of Gujarat Narmada Valley Fertilizers & chemicals Limited. (GNFC)	Ahmedabad, Gujarat
8	AMTRON, Assam Electronics Development Corporation Ltd.	Guwahati, Assam
9	Equinix India	Chandiwali, Mumbai, Maharashtra
10	Software Technology Parks of India (STPI)	Dehradun, Uttarakhand
11	ST Telemedia Global Data Centres India Private Limited	Delhi, Delhi
12	ST Telemedia Global Data Centres India Private Limited	Chennai, Tamil Nadu

In addition to the above exchanges setup by National Internet Exchange of India (NIXI), 23 Internet Exchanges have been setup by several private entities. The list of these private Internet Exchanges is available at [www.peeringdb.com](http://www.peeringdb.com).

(c): NIXI, setup by Government has a mandate of setting up of new Internet Exchanges in select locations depending on need assessment. In line with this, NIXI takes up setting up of new exchanges from time to time.

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