ESTABLISHMENT OF INTERNET EXCHANGE IN VISAKHAPATNAM

404.   SHRI G.V.L. NARASIMHA RAO:

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

(a) the number of Internet Exchanges by National Internet Exchange of India (NIXI) installed till date, the details thereof;
(b) the effectiveness of Internet Exchanges in increasing the internet speed, the details thereof;
(c) whether an Internet Exchange is proposed to be established in Visakhapatnam, the details thereof, such as location, bandwidth, etc.;
(d) expected benefits to information technology, other industries, services sector by establishing an Internet Exchange in Visakhapatnam;
(e) expected benefits to the citizens from the proposed Internet Exchange in Visakhapatnam; and
(f) how the establishment of an Internet Exchange in Visakhapatnam would help its emergence as an IT hub?

ANSWER

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI RAJEEV CHANDRASEKHAR)

(a): Forty two (42) Internet Exchanges of National Internet Exchange of India (NIXI) have been installed and operational as on date. Details are enclosed in **Annexure 'A'**.

(b): Internet Exchanges primarily provides peering services to Internet Service Providers, Content providers and other Networks. 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.

(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 including Sify Data Centre, Visakhapatnam with 1 GBPS connectivity between Chennai and Visakhapatnam.

(d), (e) and (f): Internet Exchange Points (IXPs) creates shorter routes for Internet traffic. They offer better resilience, stability, efficiency and quality improvements, all at a lower cost. Internet Exchanges establish an eco-system for faster delivery of contents at reduced cost. This is expected to benefit IT sector, Service Sector and Society at large including concerned sectors at Visakhapatnam. Establishing more IXPs not only helps in managing traffic but encourages more local content development, creates incentives for local hosting of Internet services due to the larger pool of local users, who will be able to access online content faster and cheaper. This will enable Visakhapatnam emergence as an IT hub.

*****

Annexure A

Details of Internet Exchanges of National Internet Exchange of India (NIXI) are installed and operational in India

S. No.	Location	State
1	Triupati	Andhra Pradesh
2	Guwahati	Assam
3	Patna	Bihar
4	Raipur	Chhattisgarh
5	New Delhi	Delhi
6	Panjim	Goa
7	Ahmedabad	Gujarat
8	Rajkot	Gujarat
9	Surat	Gujarat
10	Vadodra	Gujarat
11	Gurgaon	Haryana
12	Shimla	Himachal Pradesh
13	Srinagar	Jammu & Kashmir
14	Jammu	Jammu & Kashmir
15	Bangalore	Karnataka
16	Mangalore	Karnataka
17	Indore	Madhya Pradesh
18	Bhopal	Madhya Pradesh
19	Gwalior	Madhya Pradesh
20	Vashi, Mumbai	Maharashtra
21	Chandiwali, Mumbai	Maharashtra
22	Pondicherry	Pondicherry
23	Jaipur	Rajasthan
24	Jodhpur	Rajasthan
25	Chennai -1	Tamil Nadu
26	Chennai - 2	Tamil Nadu
27	Coimbatore	Tamil Nadu
28	Hyderabad	Telangana
29	Agartala	Tripura
30	Noida	Uttar Pradesh
31	Kanpur	Uttar Pradesh
32	Prayagraj	Uttar Pradesh
33	Gorakhpur	Uttar Pradesh
34	Varanasi	Uttar Pradesh
35	Agra	Uttar Pradesh
36	Meerut	Uttar Pradesh
37	Lucknow	Uttar Pradesh
38	Dehradun	Uttrakhand
39	Haldwani	Uttrakhand
40	Kolkata	West Bengal
41	Burdwan	West Bengal
42	Durgapur	West Bengal

****