

SIDDHARTHA BEHURA

सचिव Secretary

Tel. : +91-11-2371 9898

Fax : +91-11-2371 1514

e-mail : sidbehura@yahoo.co.in



भारत सरकार
संचार एवं सूचना प्रौद्योगिकी मंत्रालय
दूरसंचार विभाग
संचार भवन, नई दिल्ली-110 001
Government of India
Ministry of Communications &
Information Technology
Department of Telecommunications
Sanchar Bhawan, New Delhi-110 001

DO No. TBSA/IPV6/TSTP TEC-08

September 03, 2009

Dear Chief Secretary,

India is one of the fastest growing telecom markets in the world. One critical component needed by all the ICT devices today for establishing communication is an Internet Protocol address. Presently, Internet Protocol Version 4 (IPV4) is being used for all packet switched communication in India. Globally there is a severe shortage of IPV4 addresses and it is predicted that the unallocated pool of addresses will be exhausted by 2011 due to the rapid growth of ICT sector. This can have serious implications for the growth of the IP Based Services and applications dependent on it. Government has already recognized that transition from IPV4 to IPV6 is imminent, which is a new version having enormous address space with many new features like end-to-end mobility, auto-configuration and enhanced security of communications.

Telecom Engineering Centre (TEC), a technical organization under the Department of Telecommunications, has been entrusted to coordinate the work of facilitating the smooth migration from IPV4 to IPV6 in India.

Transition from IPV4 to IPV6 is a gradual process and is to be done in a phased manner. It has been decided that :

- i) All government departments and organizations shall make efforts to ensure that all new procurements of ICT equipments should be IPV6 compliant in future.
- ii) The IPV4 based infrastructure shall be replaced over a period.

During transition period, both IPV4 based networks and IPV6 based networks will co-exist. As the replacement of equipments will involve certain cost, suitable decision may be taken by the respective organization to replace them during the normal procurement replacement cycles. Therefore, you are requested to direct the all concerned departments and organizations under your control to make necessary arrangements for procuring only IPV6 compliant ICT equipments for all new procurements in future and have an action plan for the replacement of IPV4 network/devices in a phased manner.

You are also requested to nominate a nodal officer for this work from your organization and details may be communicated within two weeks time to Shri RM Agarwal, DDG (SA), TEC, who is being nomitaed as Central Coordinating Officer from this Department. The details are annexed.

With regards,

Yours sincerely,

(Siddhartha Behura)

Encl: As above

Shri AK Basu
Chief Secretary
Govt of Jharkhand
Secretariat, Ranchi-834 004