

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड) (RAILWAY BOARD)

सं. 2011/Tele/15(16)/4

नई दिल्ली, दिनांक: 7/05/2012

The Chief Signal & Telecom Engineer
Northern Railway,
Baroda House,
New Delhi-01


Sub: Provision of KTS exchange at Railway Board.
Ref: Dy. CSTE/T/SW's letter no. 713-Sig/74/521 dt. 23.04.12.

In reference to above the following guidelines are issued:-

- (i) IP based VoIP system supporting open standard SIP shall be provided with a capacity of 3000 ports with IP phones.
- (ii) The intercoms/railway and PSTN lines shall be integrated on the same IP phone.
- (iii) For the IP exchange, being provided new levels of Railway telephone numbering shall be provided so that smooth migration to the new system is possible.
- (iv) The existing Railway exchange shall be linked to the new IP exchange using 8 PRIs.
- (v) The IP exchange being provided shall be connected to the PSTN using 8 PRIs. Individual PSTN connections shall be dispensed with. No CO lines shall therefore be necessary.
- (vi) STD and ISD outward dialing facility will be subscribed to on selected PRIs and the subscribers will be routed through the IP exchange being provided for availing these facilities. This IP exchange shall maintain CDR records of calls made.
- (vii) Proper caller IDs shall be displayed on the phone. Similarly, when making an outgoing call, proper caller-ID shall be transmitted.

- (viii) Two types of IP phones shall be provisioned. One should be with at least 16 soft programmable keys for one touch dialing. Both types of phone shall support 2 SIP accounts, HD voice and should have two line display. 1000 executive & 1000 non-executive phones should be provided.
- (ix) In case CO line required, the existing Railway exchange will be used in conjunction with the IP exchange to extend the CO line on the IP phone.
- (x) The FAX machines shall be connected to the Railway exchange. Group shall be made to allow selective outgoing PSTN FAX with STD/ISD through the IP exchange being provided.
- (xi) Existing Ethernet network shall be used for the purpose of IP telephony. This network should be extended by providing 34 additional 48 port PoE switches, to cater to more users especially in the branches.

This has the approval of AM (Telecom).


(राकेश रंजन)

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Sr. DSTE/Tele/MIS for information.