

North Central Railway

Office of Chief Manager(IT)
HQ office, Subedarganj,
Allahabad

CMIT/connectivity & BW

Dt. 28-04-2016

Sub: Minutes of meeting held with M/s RailTel on 26.04.2016.

A Coordination meeting was held with M/s RailTel on 26.04.2016 primarily for review of connectivity and bandwidth status and requirements at Headquarter Office, Allahabad and all the Divisions and Field Units of NCR in the chamber of Chief Manager (IT).

Officers Present:

NCR

1. Mr Ashish Kumar Agarwal – CMIT.
2. Mr Neeraj Yadav- Sr DSTE/Co, ALD.
3. Mr Rameshwar Meena - Sr DSTE/Co, AGC.
4. Mr Amit Goel- Sr DSTE/Signal, JHS.

RailTel

1. Mr Ashutosh Vasant-RGM RailTel (Northern Region), Delhi
2. Mr Pushendra Kumar- Territory Manager, LKO.
3. Mr Prashant Mishra- Manager, ALD

The minutes of the meeting are as under:

1- RGM/RailTel mentioned that Optical Fibre Cable (OFC) network is available in whole NCR except Manikpur- Jhansi and Khairar –Bhimsen Section where OFC work is in progress. RailTel has taken proactive steps to ensure that these works get completed.

2- Sr DSTEs expressed that the connectivity and bandwidth availability in Divisional HQ Offices & field units need immediate attention to meet growing demand of all the departments due to host of applications like IPAS, iMMIS, TMS etc. used at present and many others under development/roll out by CRIS. Besides that, users want to update their Knowledge & Information via Internet on a regular basis as an outcome of fast growing IT culture across the railway functioning.

3. The issue regarding estimation of the quantum of band width per terminal had come up which was discussed at length. It was considered that the need for real time text/audio/video data transfer in medium to large file size is growing at every terminal. It will multiply in 3-5 years perspective when most of the applications pertaining to train operations and management for all the departments presently under development with CRIS and NIC would be implemented. The file size for down loading/uploading is expected to increase further because of increased use of Digital Signature, scanned documents, pictures etc. Apart from that video collaboration (which requires large bandwidth) to improve administrative efficiency for faster delivery of results is already in use and is likely to spread in time to come.

In view of above as well as considering the expenditure involved for large size internet bandwidth, a conscious view for optimum size of band width i.e. 512 kbps per terminal for medium - large file size downloading/uploading assuming 20% of total population of terminals as concurrent users may be taken for the purpose of calculating requirement of band width. However, for video conferencing / HD video conferencing, the estimation @ 768kbps / 2.3 Mbps per terminal dedicated bandwidth should prove adequate. Band width should be planned minimum 2 mbps per location. This has been briefed to General Manager in a separate discussion after the meeting and he directed that CCE should take final view and decide soon.

4- SrDSTEs were advised to identify their requirements of connectivity and estimate bandwidth requirements location wise upto 15/05/2016.

RailTel has agreed to provide optimum solution to meet the above requirement by using the existing infrastructure and adding the additional equipment, wherever required. Sr.DSTEs with active cooperation of RailTel should prepare proposals location-wise and try to get them through for execution on first opportunity.

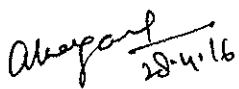
5- At present band width of 620 mbps is available in HQ office. It is adequate but needs to be properly managed as there are observations regarding slow speed of net at some pockets of HQ office. Railtel was requested to extend their expertise. RailTel agreed to scan/find fault in existing HQ network and trouble shoot them in close coordination with CCE within 15 days. RailTel also agreed to offer help in estimating the requirement of managed switches/advance network management systems for better network management. Obsolete/non-performing equipment should be identified and processed for their early replacement. SSE/Teles and

concerned officers should be associated with RailTel Team in above exercise and should also be trained properly in due course to gain such expertise. General Manager in a separate discussion desired to set right above early in time bound manner.

6- RGM/RailTel brought out that the no. of cuts per month because of Railway works is touching 50 in Northern Region primarily due to cables left open in temporary diversions related to RUB/ROB and in RVNL/DFCCIL/ GC/Doubling /Engineering/ S&T/Electrical works. Apart from affecting uptimes of the network, the OFC is reaching end of life much ahead of the expected life time. The replacement will be a huge burden. He, therefore, requested that the plans for any earth work related work in the vicinity of Railway track or along expected OFC routes in colonies / yards must be routed through local RailTel official. RailTel will ensure that such plans are verified and returned in 72 hrs giving marking of the OFC, if any. Only in case the OFC shifting is unavoidable, RailTel will submit estimate for such shifting. Even in cases where OFC is not coming in the way of work, RailTel should be informed 72 hrs before starting of work so that a Railtel official can be at site to guide and avoid cuts.

Cuts in OFC are not desirable as not only they disturb operational efficiency but also it is loss to life of national asset. Therefore, concerted efforts from all concerned should be made to maintain it in good health. Sr DSTEs have been asked to device a method involving their counter parts of Engineering and Electrical Departments to ensure that cuts on OFC may reduce substantially. Railtel may also discuss the issue with DRMs.

Progress report by 31.05.2016 must be forwarded for kind appraisal by GM.


(Ashish Kumar Agarwal)
Chief Manager(IT)

Copy To:

Secy to GM- for kind information of GM please.

CSTE, PCE, CEE, CCE- for kind information and necessary action please.

DRM/ALD/AGC/JHS- for kind information and necessary action please.

All NCR and RailTel officers present in the Meeting.