

GSM Network Operation Cell,
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भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

No. MOB-75/NWO-CM-III/Technical Audit/2014-15/19

Dated: 16-03-2015

To,
Chief General Managers,
All Telecom Circle / Metro Districts

Sub: Improvement of QoS of Mobile Data Services- Efficient utilisation of Satellite Bandwidth.

The utilisation of Satellite bandwidth in AN Circle has been examined by NWO-CM cell of BSNL Co. and a meeting was held with ED/CN yesterday where SrGM/ MPLS and SrGM/NWO-CM of BSNL Co. discussed the possibility of aggregating Internet Traffic of BB, WLL and Mobile from A&N islands. It has been decided to find out a solution so that the QoS/ speed can be enhanced for Internet users both using DSL broadband and Mobile Network technologies.

The present utilisation of Satellite links between A&N Islands and Mainland for Internet Traffic is given for information :


- 1) Total bandwidth for Internet:
 - Broadband - 52E1;
 - Mobile 3G - 8E1;
 - Mobile 2G - 21E1 and
 - CDMA EVDO - 6E1
- 2) Internet Customer's base:
 - Broadband-6000 (approx);
 - Mobile 3G- 7000(approx),
 - Mobile 2G -53,000 (approx) and
 - CDMA EVDO-6000 (approx),

If the QoS/ speed to internet users are considered then it is found that 6000 Broadband users are having total 100Mbps link but 7000 Mobile Broadband users are getting a combined bandwidth of 16 Mbps. If both the bandwidth are aggregated, the internet traffic from all users and the QoS experienced by all will be better.

It is therefore, requested to all Circle Head of CM vertical to undertake similar analysis for locations where ever Satellite links for Internet connectivity are used and suggest a possible modification so that the Internet Traffic from Mobile 2G, Mobile 3G, CDMA EVDO and Broadband (if any) are aggregated and send to main node using a complete transponder bandwidth instead of existing connection at E1 level.

J&K and KL circle are requested to immediately undertake similar analysis for Leh & Kargil and Lakshadweep respectively and submit report by 31-03-2015.

This is issued with the approval of Sr. GM NWO-CM.

With Regards

(A.K. VERMA)
AGM/NWO-CM-III
BSNL Co

- Copy to: 1) PPS to ED/CN BSNL Co- For information to ED/CN
2) PGM (Radio) BSNL Co - For n/a pl
3) Sr GM(MPLS) / Sr. GM(BB-IN) BSNL Co - For n/a pl
4) GM(NWP-GSM-II) BSNL Co - For information and n/a pl