

Reasons for congestion submitted by POWERGRID

POWERGRID stated that present congestion has basically arisen because of deviation in generation addition from the assumption made in the planning, e.g. 9,000MW (Barh-I&II-3300MW, **Bokaro-500MW, Raghunathpur-1200MW, Nabinagar-1000MW, Mejia-1000MW, Durgapur-1000MW and Koderma-1000MW**) was to come in Eastern Region which was to supply power to Northern Region. Although the lines have been built but envisaged generation has not come in time. These lines can be utilised fully once the expected generation comes up & power transfer is scheduled to NR. In the absence of power flow from Eastern Region to Northern Region more stress has come on power transfer from Western to Northern Region. Even though POWERGRID has completed planned transmission, i.e. up gradation of Gwalior-Agra is already done but congestion is felt because more power has to go to Northern Region from Western Region. One more inter-regional link i.e. Gwalior-Jaipur 765 kV is planned to enhance capacity by 2000 MW and was to be commissioned in year 2014. However, due to delay in wildlife/forest clearance, which is pending since more than two years, line could not be commissioned. It is likely that we may get the clearance shortly after which line will be completed in 5-6 months.

POWERGRID also stated that SR congestion is because about 7000 MW generation capacity (Krishnapatnam UMPP-4000MW, Kudankulam APP-2000MW and Tuticorin JV TPS-1000MW) was to come in 11th plan, but has been considerably delayed. In fact as per envisaged generation capacity, Southern Region was to be surplus in power and exporting power to other region. However, due to delay in generation capacity addition, as a result, transmission capacity for import of power to Southern Region from other regions which is presently about 4000 MW is found inadequate to import additional power. To enhance the additional capacity Raichur-Sholapur 765kV lines have been planned and already commissioned.

A total of 12 elements upstream and downstream network are under construction and out of which 8 nos have already been commissioned and remaining will be

commissioned by March'15. With commissioning of these lines, transfer capacity between SR and rest of grid shall substantially increase.

In order to transfer the power right down to Tamil Nadu, lines like Gooty- Madugari-Yelhanka and Maduguri-Salem have also been planned. However, severe Right- of-Way is faced in and around Bangalore as they are seeking cost for the land under the conductors. Matter is stuck for quite some time.