ATC-TTC for December 2015

Issue Date: 01-05-2015 **Revision No. 1**

The table below summarises the TTC (rounded off) over the various regional Flow gates.

Table-1 : TTC/ATC Regional Flow Gate wise

Corridor	Total Transfer Capability (TTC)	Transmission Reliability Margin (TRM)	Available Transfer Capability (ATC)
WR-NR	**7900**	**500**	**7400**
ER-NR	**3830**	**300**	**3530**
WR-ER	**3200**	**300**	**2900**
ER-WR	**4210**	**300**	**3910**
WR-SR	**4240**	**750**	**3510**
ER-SR	**2650**	**0**	**2650**
ER-NER	**720**	**40**	**680**

Table-2 : Export /Import Capacity Region Wise

Region	Export(+)/Import(-) Capacity
WR	**(+)8430@**
ER	**(+)7390#**
NR	**(-)11730**
SR	**(-)6890***

@ Excluding power transfer to SR

 # Excluding power transfer to SR & NER

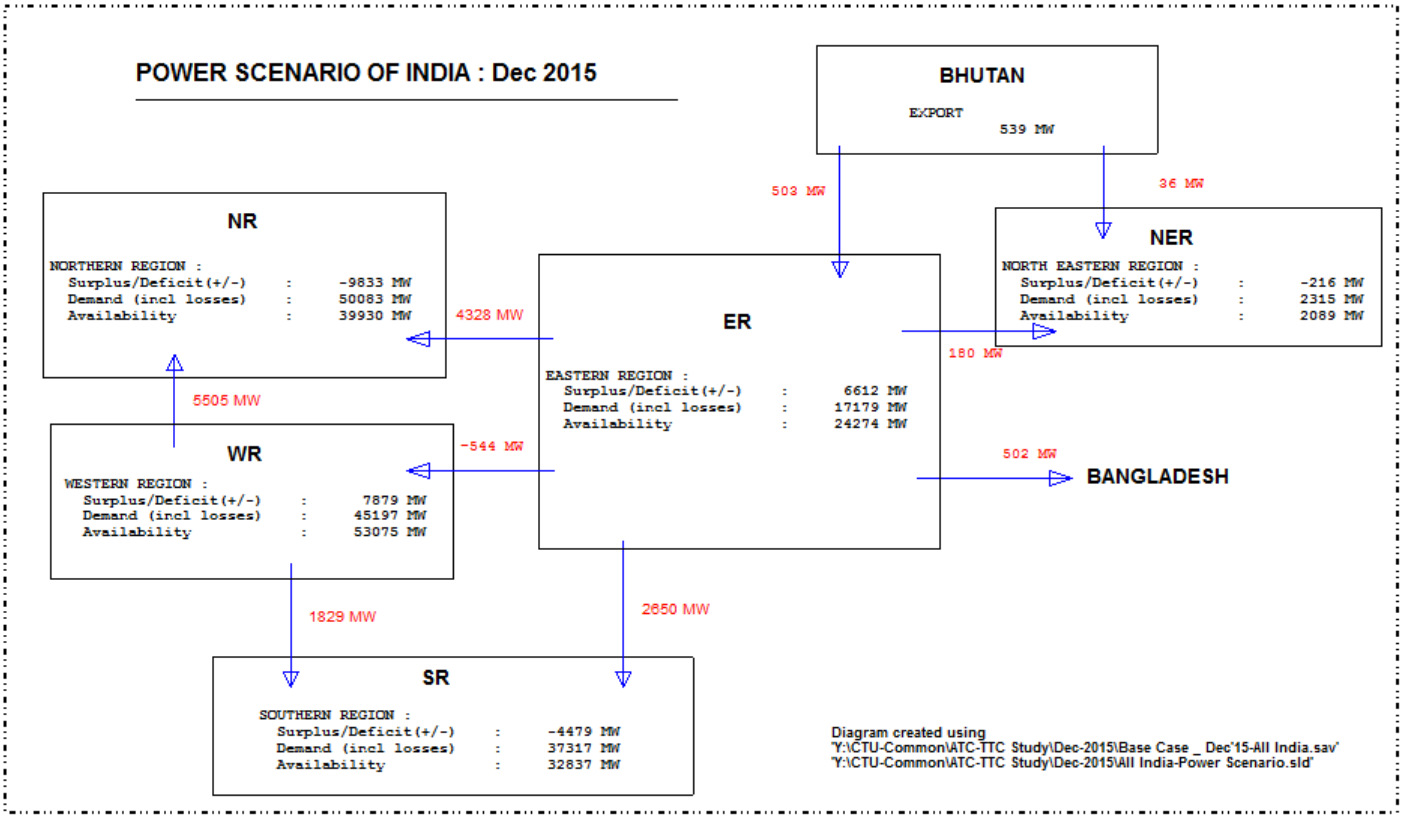
** From studies it is observed that WR–>SR TTC gets reduced with the progressive commissioning of units at Kudgi (NTPC) in SR (3x800MW). A reduction of TTC by 200MW with 1st unit, 450MW with 2nd unit and 750MW with the 3rd unit is envisaged. Tentative schedule of Kudgi units as indicated by NTPC is Unit-I: Mar'16, Unit-II: Sep'16, Unit-III: Mar'17. Hence, only 6140MW (6890-750) (WR-SR: 3490MW) would be available for grant of LTA/MTOA for power transfer to SR. The balance quantum of 750MW is proposed to be utilized under STOA based on generation at Kudgi.*

Note: *The above values are indicative.Based on studies carried out on receipt of LTA / MTOA application, capacity may vary depending upon the injection and drawl points. Accordingly,grant of LTA/MTOA shall be dealt with.*

Constraints

Corridor	Constraints
WR-NR	Agra – Gwalior 765kV 2xS/c line (n-1)
ER-NR $	Agra – Gwalior 765kV 2xS/c line (n-1)
WR-ER	Raigarh-Raigarh Pool 400kV D/c line (n-1)
ER-WR	Farakka – Malda 400kV D/c line (n-1)
WR-SR	Sholapur – Raichur 765kV 2xS/c (n-1)
ER-NER	Farakka – Malda 400kV D/c line (n-1)

Base Case LGB Considered for December, 2015



$: During calculation of TTC in ER-NR and WR-NR corridor, sometimes the limiting constraint on Farakka – Malda 400kV D/c line (n-1) was observed depending on load generation balance as well as dispatch of Farakka and North Bengal/Sikkim/Bhutan generation project. As informed by POSOCO, constraint at Farakka-Malda is taken care by radial operation of Malda-Dalkhola 220kV line as well as radial operation of Farakka-Malda 400kV line with the opening of Malda-Purnea D/c line one after another whenever the loading of Farakka-Malda D/c line crosses 550MW. Accordingly, in the present study, the constraint due to Farakka – Malda 400kV D/c line (n-1) has not been considered while calculating TTC in the ER-NR and WR-NR corridor.