

## ATC-TTC for December 2015

Issue Date: 23-07-2015

Revision No. 2

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	8250	500	7750
ER-NR	3970	300	3670
WR-ER	4650	300	4350
ER-WR	4200	300	3900
WR-SR	4000	750	3250
ER-SR	2650	0	2650
ER-NER	700	40	660

**Table-2 : Export /Import Capacity Region Wise**

Region	Export(+)/Import(-) Capacity
WR	(+)8850 <sup>@</sup>
ER	(+)8000 <sup>#</sup>
NR	(-)12220
SR	(-)6650 <sup>*</sup>

<sup>@</sup> Excluding power transfer to SR

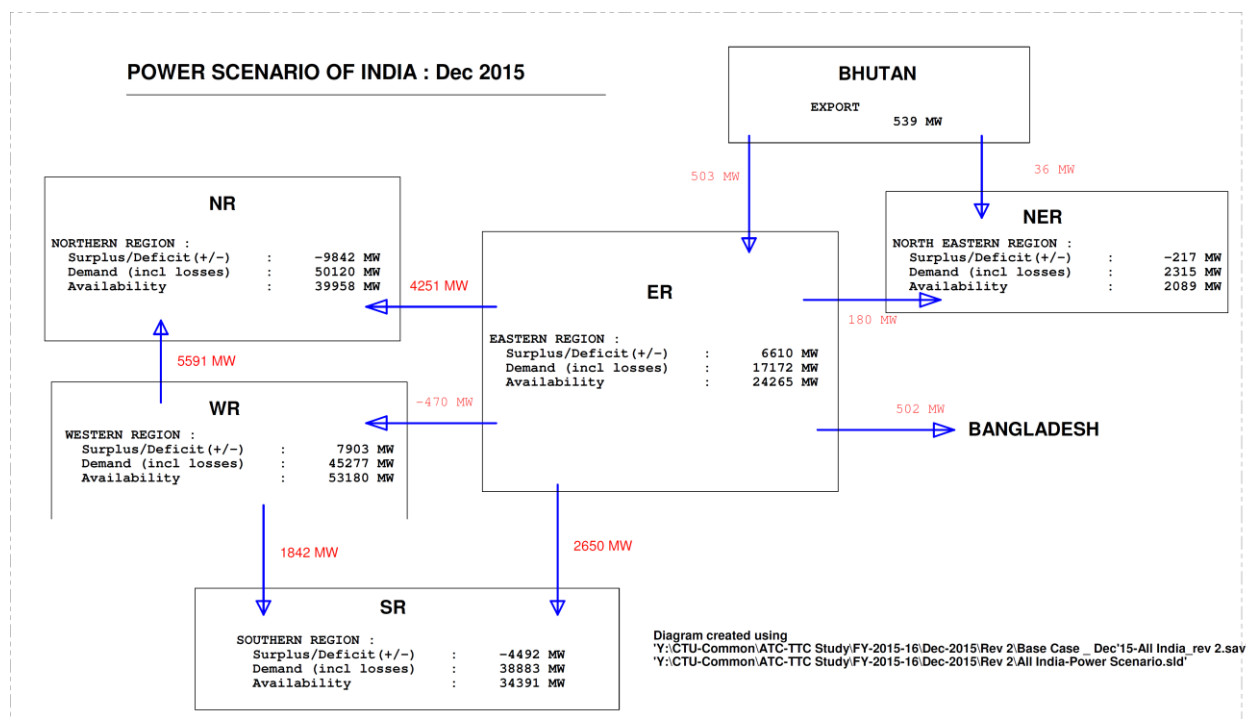
<sup>#</sup> Excluding power transfer to SR & NER

**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 <sup>\$</sup>	Agra – Gwalior 765kV 2xS/c line (n-1)
WR-ER	Agra – Gwalior 765kV 2xS/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



<sup>\$</sup> : 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.