

ATC-TTC for September'2015

Issue Date: 27-03-2015

Revision No. 1

After minor modifications in LGB over Rev-0, the TTC (rounded off) over the various regional flow gates is as given below:

Table-1 : TTC/ATC Regional Flow Gate wise

Corridor	Total Transfer Capability (TTC)	Transmission Reliability Margin (TRM)	Available Transfer Capability (ATC)
WR-NR	8480	500	7980
ER-NR	3200	300	2900
WR-ER	1600	300	1300
ER-WR	5680	300	5380
WR-SR	2300	750	1550
ER-SR	2650	0	2650
ER-NER	740	40	700

Table-2 :Export /Import Capacity Region Wise

Region	Export(+)/Import(-) Capacity
WR	(+)9260 [@]
ER	(+)8570 [#]
NR	(-)11680
SR	(-)4950

[@] Excluding power transfer to Southern Region

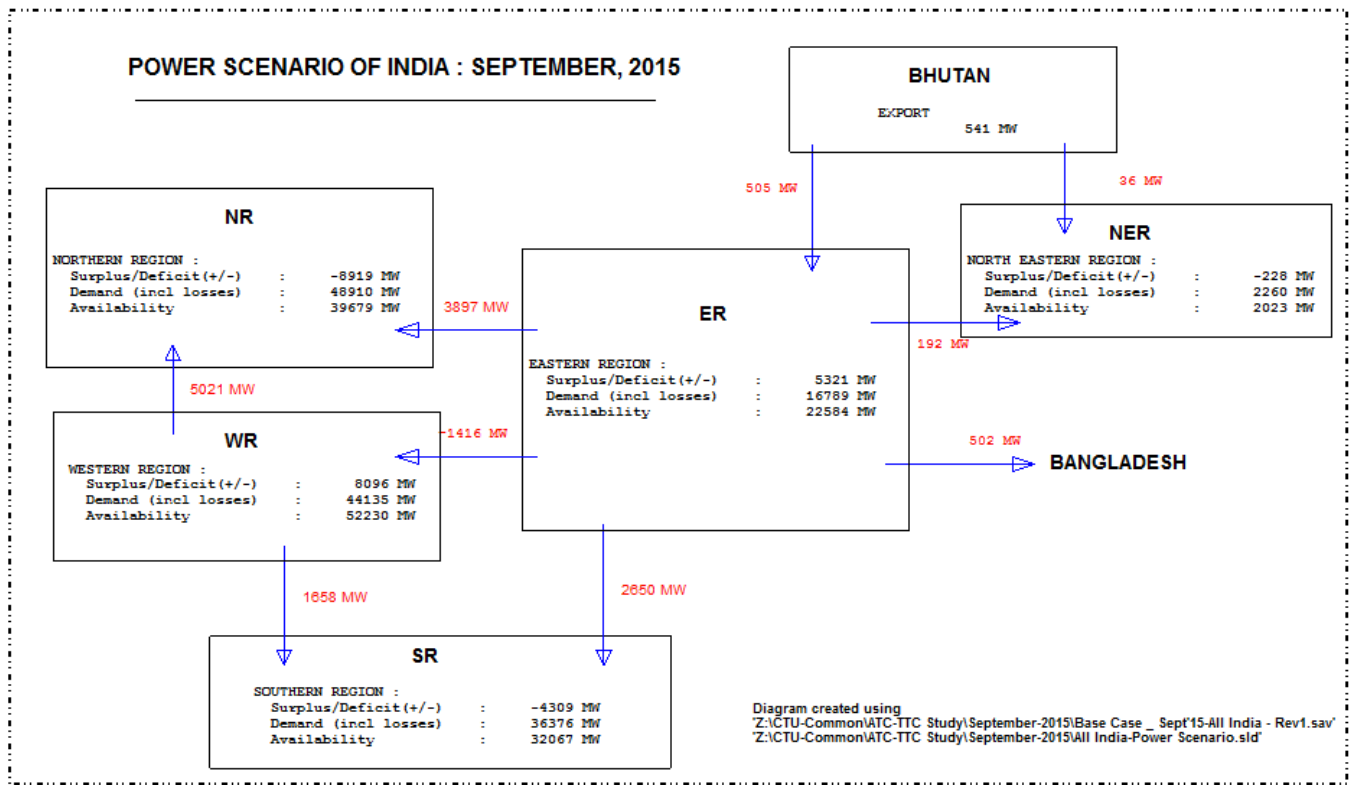
[#] Excluding power transfer to SR & NER

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 \$	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	Parli-Sholapur 400kV D/c line (n-1)
ER-NER	Farakka – Malda 400kV D/c line (n-1)

Base Case LGB Considered for September, 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