Major assumptions for TTC/ATC for FY 2015-16

1. The monthly TTC/ATC for 2015-16 has been calculated for following four months with the commissioning of major transmission corridors as given below :

Sl No	Month	Commissioning of Major Transmission Corridor
A	Sep 2015	• Gwalior – Jaipur 765kV 2x S/c line (July '15 & Aug '15)
B	Oct 2015	• Aurangabad – Sholapur 765kV D/c line (Sep '15) • Dharamjayagarh – Jabalpur 765kV D/c line (Sep '15) • Narendra - Kolhapur 765kV D/c line to be operated at 400kV (Sep '15)
C	Jan 2016	• Champa – Kurukshetra 800kV HVDC bipole line with terminal capacity 3000MW

   The TTC/ATC for other months in the year would be published shortly.

2. The load generation balance data for the 2015-16 condition is not readily available in RPC websites, however the same has been worked out after extrapolation of the LGBR data published by CEA for 2014-15 time-frame, considering the load growth as per 18th EPS (revised) published by CEA.

3. Export/import for the regions has been considered based on LTAs and allocations from generating stations expected to be commissioned by that time.

4. Transmission Interchange Limit Calculation function (TLTG) in PSS/E has been used for estimating the maximum allowable power transfer through the flow gates. The function TLTG works by uniformly increasing generation in one area (study system) and decreasing generation in the other area (opposing system). The incremental allowed capacity over and above base case is determined.

5. Rihand-III (2x500MW) and one unit of Vindhyachal-IV (1x500MW) have been considered connected and considered in WR with the commissioning of Gwalior-Jaipur 765kV S/c line. Further, power flow in Vindhyachal Back-to-Back HVDC has been taken as 500MW (WR to NR).

6. The limit of the interregional 765kV lines has been considered as 2500MW per circuit under N-1 contingency. The loading limits of all the 400kV lines are the thermal limits.