

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.**  
**Office of the Director (Operations)**

PHONE : (O) 26595003  
(P) 26592236  
FAX : (022) 26592236  
E-mail : [dirop@mahatransco.in](mailto:dirop@mahatransco.in)

"Prakashganga", 8<sup>th</sup> Floor,  
Plot No. C-19, E-Block,  
Bandra Kurla Complex,  
Bandra(E), Mumbai-400051

Ref.No. MSETCL/CO/Dir.(O)/AVL/11719

Date:-02/08/2011

**CIRCULAR**

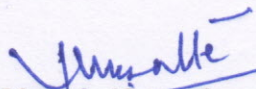
**Sub** : Guidelines regarding the calculation of transmission System Availability.

**Ref** : Multi Year Tariff (MYT) 2011-12.

In connection with above subject, you may be aware that MERC in its MYT document 2011 has revised the procedure for calculation of transmission system availability. As such, the transmission system availability from April-2011 onward is to be calculated by new method. However, certain queries, doubts were raised during the ERP end user training regarding calculation of transmission system availability. Hence to clarify these queries/ doubts, following guidelines are issued.

- A. The element under outage is to be treated as available under following circumstances.
  - i. Force majeure (Natural calamities).
  - ii. Outage due to other licensee. (PGCIL, TATA, Railway etc.)
  - iii. System constraints. (Over voltage, EHV opening, UFR operation, operation of load trimming scheme of ICTs / TF)
  - iv. Supply failed from source end / upper substation.
  - v. Outage an account of outsiders. (Outage on line to facilitate passing of big cargo, outage for shifting of tower for highway widening work etc.)
  - vi. Outage availed on one line/ element for construction of other line/ element. (Eg. In line crossing case to work on one line, the outage is required on other crossing line also.)
- B. All the interruptions of any duration (even for minute) should be entered and considered in availability calculations. Interruption Report (IR notification in SAP) should be prepared in the event of A/R of EHV/ 400KV lines also.
- C. In case of any outage (planned as well as forced) on any of the system element (i.e. Line, PTR, Reactor, Capacitor Bank etc.) the same should be considered as non-available for availability calculation purpose.
- D. In the event of Busbar and LBB protection operation, all the tripped feeders should be considered as non-available for availability calculation purpose.
- E. If the outage/ tripping of any element causes loss of Generation then outage/ tripping period of that element shall be considered as per the actual time required for restoration.(i.e. Actual non-available hours only). The earlier practice of doubling the non-available hours is to be discarded.

The above mentioned guidelines should be followed while calculating the transmission system availability.

  
**Director (Operations)**

**Copy to :-**

To,

- The Chief Engineer, (STU), Mumbai.  
-The above guidelines are being followed in the legacy system. The same should be followed in ERP- SAP system.
- The Chief Engineer, MSLDC, Mumbai.
- The Chief Engineer, EHV CCO&M zone, MSETCL, (Amravati/Aurangabad/Nashik/Nagpur/Karad/Pune/Vashi.)
- The Superintending Engineer, TR(O&M) Circle, MSETCL.  
(Amravati/Aurangabad/Parli/Kolhapur/Karad/Nasik/Bhusawal/Nagpur/Chandrapur/HVDC Chandrapur /Pune/Solapur/HVDC Padghe/Kalwa/Panvel)
- The Superintending Engineer, T&C Circle, MSETCL.  
(Akola/Aurangabad/Karad/Naonur/Nasik/Pune/Vashi )