



Preparedness & issues for DSM Implementation

12.02.2019



Metering and communication for Mumbai System:

- All G<>T and T<>D points have ABT meters installed and currently used for FBSM billing.
- At present meter data is collected manually on monthly basis by Transmission Licensees and submitted to MSLDC.
- ***STU to establish data communication link / AMR to MSLDC for all the Stations in Mumbai.***

Monitoring deviations:

- Modifications to be carried out in SCADA system to monitor Generator and DISCOM deviations and transfer the same online to MSLDC through existing ICCP link.

Scheduling and Accounting software:

- Adequate timeline is required to be factored for procuring, training for scheduling and accounting software by MSLDC for Maharashtra. Standard software is available as many states have similar mechanism.



- **Open Access consumers:** Last minute revisions of schedule by Open Access power by consumers and Discom has to meet this demand as the consumers are maintaining the contract demand. If margin is not available then it will result in to additional deviation charges in DSM mechanism as the deviation volume limit available for Tata Power-D is only 9 MW.
 - Partial Open Access consumer shall be made State Pool participant and separately accounted for their deviations. **OR**
 - Discoms to be allowed to pass on the additional charges to concerned OA consumer otherwise it will burden all the consumers of the DISCOM.

- **Changeover consumer demand settlement :** Changeover demand is scheduled mutually between Tata Power-D and AEML on 15 min basis though there are no ABT meters . Monthly energy gets reconciled after about 2 months. If this demand is considered in DSM settlement, one utility will overdraw and other will under draw in all time blocks.
 - Option 1: Deviation will be settled between Tata Power-D and AEML outside DSM mechanism. MERC to issue guidelines for Rate of settlement.
 - Option 2: MSLDC will revise DSM bill for Tata Power-D and AEML without applying Deviation Volume limit .



- **RE deviation:** As per F&S regulation Wind generator has no penalty up to 15% deviation and also actual generation gets billed to Discom. So Discom will end up in paying additional charges for deviation till 15%

Suggestion:

- volume limit / additional charges not to be made applicable for RE deviation.
- 100 MW (out of 250 MW deviation allowed for State from Regional Grid) to be reserved for RE deviation of entire State. And RE deviations not to be accounted in Intrastate mechanism.

➤ **Hydro Scheduling :**

Hydro is contracted to TPC D and BEST in the ratio 48.83 % and 51.17%. Procedure to be given by SLDC for

- 1) Scheduling considering must run generation required as per Tailrace user/ Irrigation requirement / lake overflow
- 2) Allocation and accounting of actual Generation to both the Discoms.
- 3) Any hydro generation picked up by MSLDC for system requirements shall not attract any deviation charges.

*Disclaimer: The contents of this presentation are private & confidential.
Please do not duplicate, circulate or distribute without prior permission.*



Thank You!

Website: www.tatapower.com

Email Id: tkbhaskaran@tatapower.com

Contact: (+91) 022 – 67175371