

Suggestions & Comments Provided by the Stakeholders on

Detailed Procedure for Assessment of quantum of Secondary & Tertiary Reserve Capacity, along with Information Exchange and Timelines

1. Comments Provided by SRPC dated 28-Aug-2023

Sno	Comment/ Suggestion	GRID-INDIA comments
1	How the reserves are to be maintained by States at ISGS (other than dispatchable power)?	<p>Adequate reserves are required to be maintained in a distributed manner at the regional level and at the State level for each state control area. The segregation is also provided in the procedure. It is expected that the obligated quantum of reserves to be maintained at state level would be maintained within the intra-state generators, and despatched through intra-state AGC, intra-state scheduling software, etc. Intra-state ancillary services mechanism could be evolved for facilitating transparent accounting and settlement of the intra-state ancillary services provided by the intra-state generators.</p> <p>NLDC would maintain the reserves at the central sector level through mechanisms provided in the CERC Regulations, viz., Market-based procurement of reserves using TRAS mechanism, and Security Constrained Unit Commitment (SCUC).</p>
2	How the reserves would be deployed in real-time for AGC?	<p>The deployment of reserves under AGC is done as per the procedure covered in section-10 and section-11 of Detailed Procedure for Secondary Reserves Ancillary Services (SRAS). Presently only the un requisitioned surplus available in the real-time is despatched by AGC, based on Area Control Error.</p>

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3	Whether same ISGS can be wired for AGC for Regional and State ACE?	A generating station participating under AGC can follow the signals provided by the load despatch centre. Theoretically, if multiple LDCs provide the command to the same generator under AGC, the power plant has to follow the net sum of the commands. Presently, ISGS respond to regional ACE from NLDC. To start with, SLDC may consider to implement AGC for intra-state generators.
4	Frequency Bias Coefficient will be good for performing States and they will be asked to put better Frequency Bias Coefficient while non-performing states should be made raise their performance.	The details regarding the frequency bias coefficient used for calculating frequency error component of ACE is covered in Annexure-VI of Detailed Procedure for Secondary Reserves Ancillary Services (SRAS). In IEGC-2023, each control area's Frequency Response Performance (FRP) would be evaluated. $FRP = \text{Actual Frequency Response Characteristic (AFRC)} / \text{Frequency Response Obligation (FRO)}$. The performance of states and regional entities may be reviewed in RPC forums/OCC.