

Annexure 2

Recommendations

1. Full Utilization of available grid connected thermal generation capacity

Power Plant	Constraints	Action
WestCoast (270 MW) Daily maximum energy output 6,400MWh	Inadequate fuel supply (due to defective pipeline from Port-Muthurajawela. This was rectified on December 22,2016)	Maintain strategic fuel reserve in Kerawalapitya storage(capacity 38,000 MT)
	Shutting down for 03 weeks maintenance period in February	Suggest to looking in to the possibility of shifting the maintenance to avoid shutting down during the critical period January to April.
Sojitz Kalanithissa (163MW) Daily maximum energy output 3,800MWh	Inadequate fuel supply due to defective Kolonnawa – Kelanitissa –Port fuel conveying pipeline (due to inadequate fuel supply daily generation is reduced to about 2800MWh)	Completion of repair due in Mid-January , if the repair is expedited Sojitz can contribute additional 1,000 MWh energy, as system requirement.
	Shutdown for 7 days for planned maintenance in April/May	Suggest to looking in to the possibility of scheduling the maintenance in May.
Asia Power (50MW) Daily maximum energy output 1,200MWh	Inadequate fuel supply due to low refinery output. Only 50% of the full load fuel requirement is provided. Hence, the daily generation is reduced to about 680MWh.	Refinery output is expected to be regular by the end of January CPC to supply as per the requirement
ACE Embilipitiya (100MW) Daily maximum energy output 2,400MWh	Inability to deliver full power due to fuel quality issues. Plant availability is reduced to 93MW. The daily energy availability is reduced by 150MWh due to this.	CPC and ACE to look into the issue and improve the fuel quality in order to get the maximum output from the plant.
Barge (60 MW) Daily maximum energy output 1,440MWh	Inadequate fuel supply. Plant has been unavailable time to time during November 2016 due to inadequate fuel supply.	CPC to supply as per the requirement

Also it is recommended to maintain strategic fuel reserves in the power plant storages and other storages in Kerawalapitiya and Hambantota.

- 2. Promoting self-generation by captive generators to reduce the demand during the day and peak periods. In addition, CEB should look in to the possibility of importing energy from these plants to the Grid.**

Month	January	February	March	April
Probable capacity additions under Self-Generation scheme(MW)	20	50	75	100
Required capacity additions to meet the demand in case of an outage of the largest generation unit (270MW) and no other plant additions (MW)	170	245	260	290

3. Addition of new generation plants

Plants to be added	Action
170 MW Furnace Oil fired Generation capacity due in 2017 as per the generation plan	CEB should take immediate action to purchase shortage in generation from available plants
CEB has floated a tender for 50 mobile generation units	CEB should expedite procurement process after closing the bids on 4 th January 2017& ensure the availability of plants by March 2017.
Small scale generation on Standardized Power Purchase Agreements	CEB and SEA should expedite connection to start commercial operations.

4. Increase contribution from rooftop generation

CEB should expedite connections to the distribution network to get the maximum contribution during the daytime