

Abstract

Provided is a control device that calculates load distribution to a generator having excellent operation efficiency and determining whether to make a bid in response to a request for power supply from a power supply and demand adjustment market. A supply/demand adjustment control device includes: an acquisition unit that acquires first power requested for a power plant including a plurality of generators and second power requested from a power supply and demand adjustment market; a load distribution unit that distributes a total load that is a sum of the first power and the second power to the plurality of generators in descending order of operation efficiency, to distribute a load close to a rated load as much as possible to the generators; and a bidding determination unit that determines whether to make a bid for a request from the power supply and demand adjustment market, on the basis of whether the total load is able to be supplied.