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Construction and Operation of Dry Type Dust-Removal Equipment for Blast Furnace

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:

1986

4.5kWh/t 11

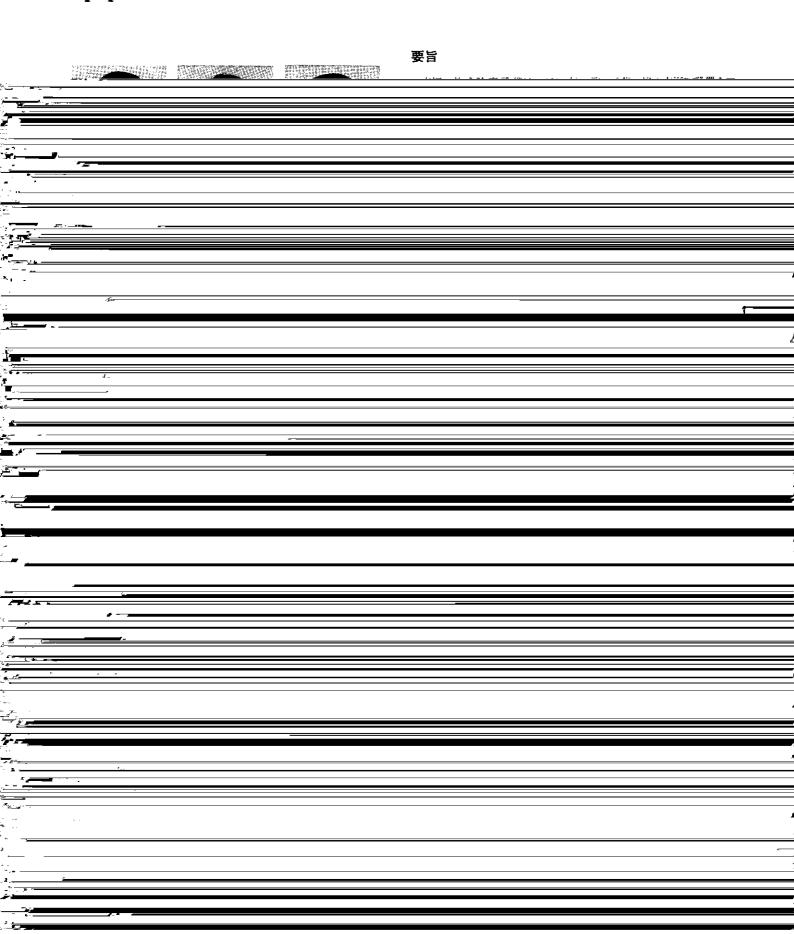
## Synopsis:

Dry type dust-removal equipment was installed at Chiba No.6 blast furnace in September 1986, and has been smoothly operating since the start of its operation. The dust-removal equipment uses a bag filter, which is under stable, continuous operation through the use of a unique and highly accurate temperature control system of water splaying. As a result of installing the dry type dust-removal equipment, generating electrical power by the top pressure recovery turbine increased by 4.5kWh/t (about 11%) and the running cost of the BF gas heater and others have been reduced.

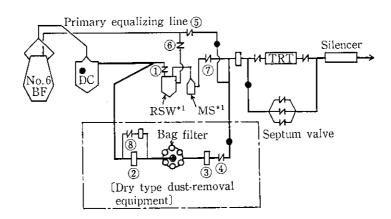
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## 高炉乾式除塵設備の建設と操業

## Construction and Operation of Dry Type Dust-Removal Equipment for Blast Furnace







- RSW inlet butterfly valve
- ② Bag filter inlet goggle valve
- 3 Bag filter outlet goggle valve
- ④ Bag filter outlet butterfly valve
- Bag filter outlet butterfly valve for primary equalizing line
- RSW outlet butterfly valve for primary equalizing line
- RSW outlet butterfly valve
- Filling pressure butterfly valve
- Installating position of gas cooling device
- \*1 Wet type dust-removal equipment

