KAWASAKI STEEL GIHO
Vol.15 (1983) No.1

CDQ ╓ ♯ ⱡ v !

Power Generating System of No. 2 Coke Dry Quenching Plant at Chiba Works

(Issei Kikuchi) (Katsujiro Komatsu) (Hideo Katayama) (Kikio Watanabe)

:
ᆩ ╛ ┐ ♠ ⱡ ┬ ≠ ├ CDQ ∏ 56 ≠ ⌡ ｏ ╓ ┤ Ⱨ ┐ ꜜ א ▪ 40kgf/cm2 ꜝ 420∊ ┬ ≠ ├ ＝ ≠ ├ → ▌ ｏCDQ ꞌ ◕ ם ┬ ┬ ▪ ≢ ▌ ∏ 1200 ╓ ┤ ← ▌ ∟ ┬ ╢ ⌡ CDQ ꞌ ◕ ם ╓ ∏ ← ▌ ∟ ┬ ∆ ▄ ┼ Ⱨ ┐ ꜜ א ♯ ⱡ v ! ▪ ≠ ⌡ ｏ ╓ 56 ＝ ≠ ┼ ▪ ≠ ├ ∂ ▉ ◙ ≉ ת ♂ ┐ ＝ ∑ ⁄ ≠ ├ → ▌ ｏ

Synopsis :
Steam recovered from No.2 CDQ is supplied to Kawatetsu Chiba Power Station. The distance between the CDQ plant and the Power Station is about 1200m. In consideration of such conditions as the long length of steam piping and fluctuations of recovered steam, a new control system of steam turbo generator has been developed. This power generating system of No.2 CDQ is operating satisfactorily, after the inspection by MITI in June, 1981.

15(1983)1, 88-92

菊池 一成* 小松 勝二郎** 片山 秀夫*** 渡辺 己喜男****

Power Generating System of No.2 Coke Dry Quenching Plant at Chiba Works

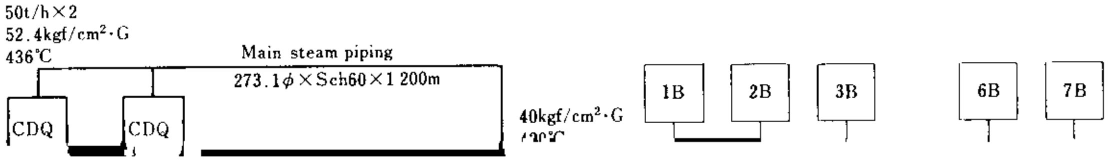
Issei Kikuchi, Katsujiro Komatsu, Hideo Katayama, Mikio Watanabe

要旨

[illegible]

Synopsis:

Steam recovered from No. 2 CDQ [illegible]


50t/h×2
52.4kgf/cm²·G
436℃
Main steam piping
273.1φ×Sch60×1 200m
CDQ
CDQ
40kgf/cm²·G
1B
2B
3B
6B
7B

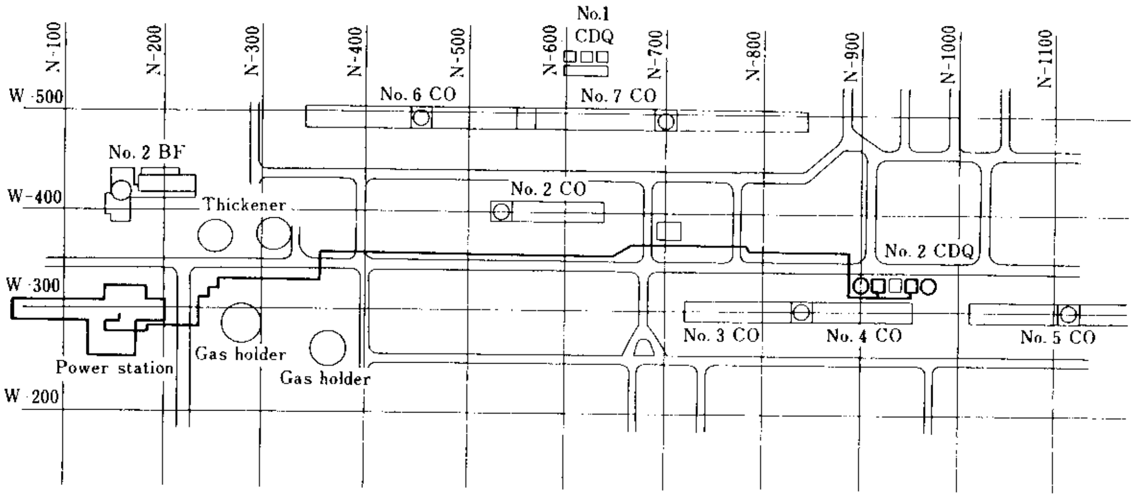
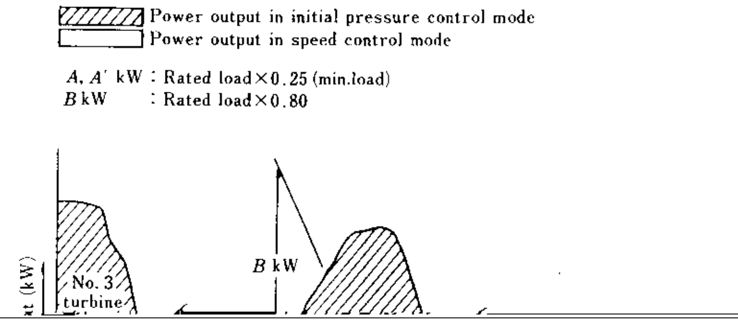
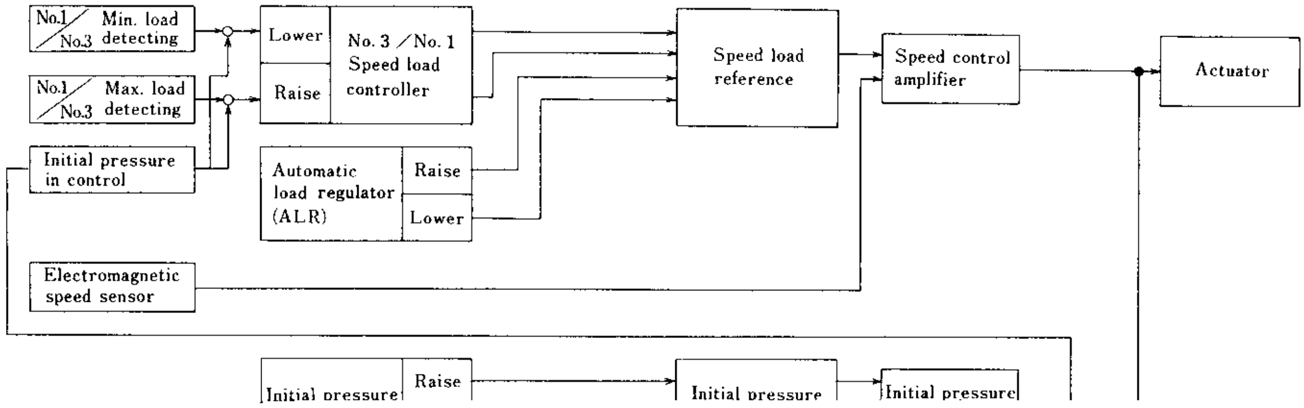


Fig. 2 [illegible]

Table 2 Specifications of main steam pipe

Size	273.1$\phi \times 12t$
Quality of material	STPA12
Design pressure	60kgf/cm^2
Design temperature	450℃
Steam flow rate	100t/h
Steam flow velocity	41m/s
Thickness of heat insulation	100mm
Length of piping	1 230m
Estimation of pressure loss	9.5kgf/cm^2
[illegible]	[illegible]




No.1／No.3 Min. load detecting
No.1／No.3 Max. load detecting
Initial pressure in control
Lower
Raise
No. 3／No. 1 Speed load controller
Automatic load regulator (ALR)
Raise
Lower
Electromagnetic speed sensor
Speed load reference
Speed control amplifier
Actuator
Initial pressure
Raise
Initial pressure
Initial pressure