

Fig.5.1-25

**Current status**

- (1) The situation of the large-sized auxiliary motor is shown in the photograph on the left.
- (2) The large-sized auxiliary motor, as shown in Fig.5.1-19, was superannuated and is becoming more operationally efficient.

Improvement plan

- (1) The large-sized auxiliary motors such as mills and PGF were rehabilitated in Phase-I, and auxiliary power was reduced greatly. The same effect is also expected in Phase-II.
- (2) Further, reduction of auxiliary power is expected by rehabilitation of FDF and IDF motors.
- (3) Reduction of auxiliary power by inverterization of feed water pump motor.

Fig.5.1-26

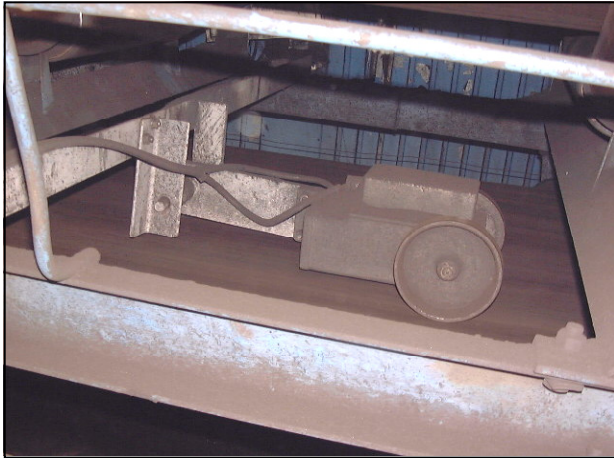
**Current status**

- (1) Burned motor accidents have occurred frequently.
- (2) Motor repair work is done by hand at a mechanical workshop.
- (3) Motor winding equipment was introduced by the second grant aid of Japan.

Improvement plan

- (1) The burned motor cause and its improvement plan in 2000 are shown in Table 5.1-2.
- (2) In a brief about the improvement plan, improvement in repair work quality and an improvement of the surrounding environment of the motor location will be advisable.

Fig.5.1-27

**Current status**

- (1) A conveyer scale by grant aid of Japan is installed in the discharge line from coal yard to banker.
- (2) The coal receiving amount is measured by an one freight car capacity basis.
- (3) There is no conveyer scale in the direct discharge line.

Improvement plan

Coal meters will be installed in coal receiving and the direct discharge line. Thus, the amount of coal received/discharged is to be grasped correctly.

Fig.5.1-28

**Current status**

- (1) The fuel operation section is performing coal sampling and analysis (calorie, ash, and moisture) at the time of coal receiving.
- (2) Coal analysis every 24 hours is performed for discharged coal.
- (3) The coal analysis equipment used now is outdated. The latest one was supplied to the coal mine under grant aid of Japan.

Improvement plan

In Mongolia, where the independent organisation does not exist, since reliability of the analytical data based on the old model instrument is possible, the outdated instrument will be replaced with the newest analysis one, and reliability reservation of analysis work will be secured.