

**GOVERNMENT OF INDIA  
STEEL  
LOK SABHA**

UNSTARRED QUESTION NO:6944  
ANSWERED ON:10.05.2000  
BOKARO STEEL PLANT  
RAVINDRA KUMAR PANDEY

**Will the Minister of STEEL be pleased to state:**

- (a) whether the three chemicals trisodium phosphate liquid ammonia and hydrogen were used alongwith feed water in the boiler of Bokaro Steel Plant prior to the year 1991;
- (b) if so, whether a new chemical Alogad-86 was used in this plant after the year 1991 by discontinuing the use of the above said chemicals;
- (c) if so, whether the use of Aloged-86 chemicals was again discontinued in the year 1996 and a contract was awarded to some other company named Chemical Maxtreet-3330 for supplying the chemicals to the said plant;
- (d) whether the Bokaro Steel Plant earned a profit of Rs. 4.66 crore as a result of Aloged-86 chemical because of its better quality;
- (e) if so, the reasons for discontinuing the use of Aloged-86 chemical and awarded the contract to the new company-Maxtreet-3330;
- (f) whether the use of the chemicals-trisodium phosphate, liquid ammonia and hydrogen which was discontinued in the year 1991 has been re-started in the plant; and (g) if so, the reasons therefor?

**Answer**

MINISTER OF STATE FOR STEEL

(SHRI DILIP RAY)

(a) & (b): After 1991, Eloguard-86 was used after discontinuing the use of trisodium phosphate, liquid ammonia and hydrazine hydrate.

(c) The use of Eloguard-86 was discontinued in 1996. However, no contract was awarded to any company named Chemical Maxtreet-3330.

(d) No, Sir.

(e) Even dozing of chemicals Eloguard-86/Maxtreat had not prevented the incidences of tube failure. When the reasons of failure were analysed by Research & Control Laboratory, Bokaro Steel Plant, Research & Development Centre for iron and Steel, Ranchi and M/s Bharat Heavy Electricals Limited (BHEL) the following emerged:

i) The film protection as claimed by the supplier of the chemical had not yielded the desired results.

ii) Presence of copper and iron in the tube deposit confirmed pre-boiler corrosion.

iii) The chemicals were corrosive in nature.

Due to these reasons, the use of chemicals Eloguard-86 and Maxtreat were discontinued.

(f) Yes, Sir.

(g) The use of Eloguard-86 and Maxtreat-3330 was not found suitable.