

**GOVERNMENT OF INDIA
STEEL
LOK SABHA**

UNSTARRED QUESTION NO:2720
ANSWERED ON:19.03.2007
FIRE ACCIDENTS IN STEEL PLANTS
Khairi Shri Chandrakant Bhaurao

Will the Minister of STEEL be pleased to state:

- (a) the number of fire accidents in various steel plants during the last three years and the current year, plant-wise;
- (b) whether any inquiry has been conducted to probe such accidents in the steel plants;
- (c) if so, the outcome thereof; and
- (d) the steps taken/proposed to be taken by the Government to avoid recurrence of such accidents in future?

Answer

MINISTER OF STATE IN THE MINISTRY OF STEEL (DR. AKHILESH DAS)

(a)to(c): The number of fire accidents in various plants of Steel Authority of India Ltd. (SAIL) and Rashtriya Ispat Nigam Ltd. (RINL) during the last three years and the current year are as below:

I. SAIL

PLANT 2004 2005 2006 2007 (upto Feb)

Bhilai Steel Plant (BSP)	0	1	0	0
Bokaro Steel Plant (BSL)	2	1	0	0
Durgapur Steel Plant (DSP)	0	0	0	0
Raurkela Steel Plant (RSP)	2	0	1	0
IISCO Steel Plant (ISP)	0	1	0	0
Alloy Steel Plant (ASP)	0	0	0	1
TOTAL	4	3	1	1

II. RINL

In RINL, the following reportable fire accidents took place during the last three years and in the current year.

Sl.No. Date of Accident Place of Accident

01	08-04-2005	Fire in b2-9 Conveyor of BHS-2 of Blast Furnace
02	10-05-2005	Fire in CO-68 Conveyor of RMHP
03	24-07-2005	Fire at 'O' level near LD Converter No.1 in Steel Melting Shop
04	30-05-2006	Fire in CC - 40, Conveyor of RMHP

Enquiries are conducted by SAIL and RINL into fire incidences. The recommendations are complied with and monitored. Fire prevention, protection and control measures are taken at each plant.

(d) Steps taken / proposed by SAIL to prevent recurrence of such incidents

Each plant has a well established and well equipped Fire Services Department manned with qualified and trained Fire Services

professionals to prevent and control fire incidences.

The adequacy of the existing fire protection system in the shop is periodically reassessed and augmented on continuous basis.

Periodic housekeeping campaigns are undertaken to mitigate fire hazards.

Fire aspects being reviewed during safety audit of shops by interplant audit teams.

Employees are extensively trained in the use of suitable fire extinguishers, fire hydrants & other fire suppression systems.

On-site disaster management plans have been prepared to handle emergency situations, if any, to minimize losses.

Mock drills and topography drills are conducted on regular basis to train the people and check the efficacy of the systems.

Review of fire prevention and protection measures at Plant as well as Corporate level is done periodically.

Steps taken / proposed by RINL to prevent recurrence of such incidents

Remedial measures suggested and the steps taken by the RINL to avoid recurrence of such accidents in future are given below:

Date of Accident Outcome - Remedial Measures

- 08-04-2005 1. Heat detectors are to be provided (mounted on floor).
2. Installations of pyrometers to detect temperature of sinter leaving Sinter Plant to be expedited for cooling the sinter before it is dispatched from Sinter Plant.
3. Periodical checking of landing valves.
- 10-05-2005 1. Regular inspection of idlers by operation crew.
2. Checking of jammed rollers or rollers having damaged bearings.
- 24-07-2005 1. Leakages/spillages of oils and lubricants shall be stopped.
2. Rerouting of instrumentation/electrical cables which are vulnerable is to be examined.
- 30-05-2006 1. Inspection of Conveyor gallery in all the shops.
2. Stacking of material shall be ensured 5 mts. away from the track.
3. Cleaning activities to remove spilled materials fallen under the return side belt shall be implemented.
4. Water pressure in fire hydrants shall be ensured to get 7 kg pressure at all times. In case of low pressure is observed additional pumps shall be started.