

GOVERNMENT OF INDIA
MINISTRY OF STEEL

LOK SABHA
UNSTARRED QUESTION NO.1237
FOR ANSWER ON 19/09/2020

ACCIDENTS IN SAIL

1237. SHRI VIJAY BAGHEL:

Will the Minister of STEEL be pleased to state:

- (a) the measures taken to check the industrial accidents in steel plants run by SAIL during the last five years;
- (b) whether any detailed annual or periodical report is made of these industrial accidents after listing these accidents in the steel plants run by SAIL;
- (c) if so, the details thereof;
- (d) the details of the industrial accidents that took place in the Bhilai Steel plant during the last five years; and
- (e) the details of the compensation and other facilities given to the injured workers and employees of Bhilai Steel Plant during the last five years?

ANSWER

THE MINISTER OF STEEL

(SHRI DHARMENDRA PRADHAN)

(a) The measures taken to check the industrial accidents in the Plants and units of SAIL are given in **Annexure I**.

(b)&(c): Detailed analysis is carried out by SAIL for the fatal accidents occurred during preceding year and the details are circulated among all Plants/ Units for learning as well as preventing accidents. Investigation as well as root cause analysis is carried out for every accident and recommended measures are implemented to prevent recurrence. Action taken is reviewed periodically at various levels and the findings are shared with other Plants/ units to prevent further accidents.

(d) The details of incidents of industrial accidents (fatal & reportable) occurred during last five years at Bhilai Steel Plant are given in **Annexure II**.

(e) Compensation and other facilities given to the injured workers and employees of Bhilai Steel Plant as per statutory provisions and Company's policies/rules are as following:-

- Compensation/Benefits admissible as per the Employee Compensation Act / ESI Act, as applicable.

Contd.....2/-

- Though not a statutory liability, compassionate employment to one of the eligible dependents in case of death or permanent total disablement of employees due to accident arising out of and in course of employment. In case of death of a contract labour, due to accident arising out of and in course of employment within the works premises (including those engaged for projects work), employment to one of his / her dependents. In the last five years, employment to 14 dependents of deceased employees/contract labours (due to fatal accidents) has been provided by Bhilai Steel Plant.
- Medical facility made available by Bhilai Steel Plant / ESIC.
- Benefits under Employee Family Benefit Scheme (EFBS) for ex-employee / dependents of ex-employee in case of permanent total disablement and death respectively, if employment for dependents is not opted for (i.e. in lieu of employment). 05 dependents of deceased employees (due to fatal accidents) have been extended the EFBS benefits.
- Amount equivalent to benefit under Employees Deposit Linked Insurance Scheme (EDLI) is given to permanent total disabled employee. In case of death, benefit under EDLI Scheme, subscribed by SAIL, is extended by Employees' Provident Fund Organisation (EPFO).

Measures taken to check industrial accidents

Some of the salient safety measures taken by SAIL are as follows:-

- i. Engagement of consultant for 'Safety Management Consulting Assignment' in Bhilai Steel Plant for a period of two years.
- ii. Preparation of Safety Alert Messages (SAMs) on learning points from accidents. 14 SAMs issued till date are as follows:-
 - Safety Precaution in Arc Welding.
 - Grinder Safety.
 - Crane Safety During Maintenance.
 - Safety in Operation of Dumpers.
 - Safety in Storage & Handling of Furnace/Fuel Oil.
 - Safety during Maintenance job on Transformers/HV equipment.
 - Safety during Maintenance job on Wagon tippler drive.
 - Pre-start up safety guidelines for post lockdown period.
 - Safety during working in Low voltage equipment/lighting circuits.
 - Hazards of Nitrogen Asphyxiation.
 - Boiler Safety.
 - Compulsory usage of Seat Belt & adhering to speed limits.
 - Guidelines for preparation of Standard Work Procedures.
 - Safety Precautions while working in High Voltage (HV) lines, circuits, cables etc.
- iii. Adoption of latest and state-of-the art new technologies in new projects to minimize human exposure to process hazards.
- iv. Compliance to all applicable statutory rules & regulations.
- v. Thrust on systematic approach to safety management on continual basis (organizing internal & external safety audits and inspections along with timely compliance and review).
- vi. Development of safety standards & guidelines, SOPs & SMPs (Standard Operating and Maintenance procedures), HIRA (Hazard identification and Risk Assessment) documents etc. and their periodic review/updation.
- vii. Adherence to protocol/permit to work system for hazardous jobs, during Capital Repairs/Major breakdown repairs involving multi agencies.
- viii. Setting up of a Safety Excellence Centre for safety briefing of plant visitors.
- ix. Preparation of On-site emergency preparedness plans approved by concerned factory inspectorate and organizing periodic mock drills.
- x. Adherence to Standard Operating & Maintenance Procedures, Safe Commissioning Procedure etc.
- xi. Mandatory two days induction training to contract workers before issue of gate pass and job safety training at work site. Mass awareness workshops for contract workers are regularly organized.
- xii. Spreading safety awareness through training programmes & workshops for all level of employees including contract workers.

- xiii. Conducting safety & fire prevention inspections as per checklist and liquidating deviations from prescribed norms.
- xiv. Ensuring usage of job specific Personal Protective Equipments (PPEs) by all concerned including contract workers.
- xv. Provision of online gas monitors with audio-visual alarms/ usage of fixed & portable CO detectors in gas prone areas and periodic Gas safety training to spread awareness.
- xvi. Monitoring health of pipelines by periodic NDT (Non- destructive test) and documentation for timely actions in respect of cladding/ replacement of damaged portions.
- xvii. Undertaking periodic drives & campaigns on rail & road safety, machine guarding, proper working platforms & railings, illumination etc. Undertaking 'Roko-Toko' to identify violators of safety norms.
- xviii. Displaying safety signages, posters and slogans, Do's & Don'ts etc. at conspicuous locations. Installation of Audio-visual alarms and signals at the railroad crossings.
- xix. Periodic review of safety performance at different levels.

ANNEXURE II

	Details of incidents of industrial accidents (fatal + reportable) occurred at Bhilai Steel Plant during 2015 to 2019									
	2015		2016		2017		2018		2019	
	Fatal	Reportable	Fatal	Reportable	Fatal	Reportable	Fatal	Reportable	Fatal	Reportable
Accidents	3	13	3	3	2	3	1	4	1	6
	16		6		5		5		7	
Deaths	3		3		2		14		1	
