

GOVERNMENT OF INDIA
MINISTRY OF STEEL

RAJYA SABHA
UNSTARRED QUESTION NO.3677
FOR ANSWER ON 04/04/2022

DETAILS OF ACCIDENTAL DEATHS WHILE WORKING IN SAIL

3677. SHRI DHIRAJ PRASAD SAHU:

Will the Minister of STEEL be pleased to state:

- (a) the number of accidental deaths occurred while working during the last five years in various units of Steel Authority of India Limited (SAIL); and
- (b) the details of the report submitted by the factory inspectors after the inquiry of accidents and the action taken against the culprits and the investigation-wise details of various inquiries thereof?

ANSWER

THE MINISTER OF STEEL

(SHRI RAM CHANDRA PRASAD SINGH)

- (a) The number of accidental deaths (including Contract Workers) occurred while working during last five years (year-wise), in various Plants/Units of Steel Authority of India Limited (SAIL) is at **Annexure 1**.
- (b) Reports after inquiry of accidents by the respective Factory Inspectors/State Govt. Authority concerned are normally not given to the respective SAIL Plants/Units by them. However, inquiry reports of accidental deaths in case of Durgapur Steel Plant and SAIL Refractory Unit have been given by the concerned Factory Inspector/Authority concerned to the respective Plant/Unit. The details of suggested measures as per the inquiry reports received and action taken are at **Annexure 2**.

Annexure 1

Year	2017	2018	2019	2020	2021
Number of Accidental Deaths(including Contract Labours) in SAIL while working	16	22	11	8	19

Annexure 2

Plant/Unit	Inquiry Report dated	Suggested Measures	Actions Taken
Durgapur Steel Plant (DSP)	30-11-2018 (Late Dilip Bhagat on 30.10.2017)	Appropriate and effective direct supervision, shall be provided and maintained to ensure the health and safety of all workers at work.	Done. Appropriate and effective direct supervision provided.
		Erection Plan / Manual/ Standard Operating Procedure (SOP) to be developed before start of work and erection to be done only as per the said plan / SOP in presence of person with sound knowledge in erection and commissioning.	Done. Erection Plan / Manual/ Standard Operating Procedure (SOP) developed.
		Nos. of lifting lugs and its welding to the object and their strength must be properly checked (considering the load) before lifting the object.	Done. Inspection for welding condition done before lift.
		No worker shall be allowed to stand in close proximity of any hanging object during the time of rigging.	Done. No one is allowed near hanging load.
		Training on safe handling of materials to be imparted to all concerned.	Done Training imparted.
		Critical lifting / rigging work should be avoided at the end of the day without arranging adequate illumination.	Done. Proper illumination arranged for after daylight jobs.
Durgapur Steel Plant (DSP)	26-09-2018 (Late Anirban Sinha Babu on 18-07-2018)	No machinery, plant or equipment shall be constructed, situated, operated or maintained in the factory in such a manner as to cause risk of bodily injury.	Done. Hazard identification and risk assessment has been revisited. New hazard list with risk control measures prepared.
		No process or work shall be carried on in the factory in such a manner as to cause risk of bodily injury.	Done. The existing safety management system in the shop has been further strengthened to ensure that processes are safe and do not cause risk of bodily injury.
		The occupier shall ensure the provision and maintenance of plants and systems of work in the factory that are safe and without risks to health.	Done. Daily monitoring and review, new SOPs/SMPs, Joint inspections etc. is being done to make the work place safe and without risks to health

		The occupier shall ensure in providing such information, instruction, training and supervision as are necessary to ensure the health and safety of all workers at work.	Done. Training imparted and supervision further strengthened.
		The occupier shall ensure the provision, maintenance or monitoring of such working environment in the factory for the workers that is safe, without risks to health.	Done. Maintenance and monitoring mechanisms further strengthened.
		The entry or work inside the said cooling chamber should have been regulated through a permit to work system.	Done. Work inside cooling chamber is now being regulated through permit to work system.
		Dummy bar slippage should be treated as unacceptable hazard. In case it is observed, immediate appropriate rectification to be done before continuing further operation. Hazard study of the dangerous machineries to be carried out in all the departments / divisions	Done. Dummy bar slippage is now considered as unacceptable risk. HIRA done with the working personnel. New SOPs / SMPs developed for ensuring safe operation.
		Frequency of checking of dummy bars, rollers and other vital equipments of the BRC machine and tightening of pinch roll screw to be increased to prevent possibility of slippages / malfunctioning.	Done. Frequency of checking revisited. All the existing 4 dummy bars at BRC have been replaced with new ones.
		Provision of indication to be kept at control room to ensure that door of entry to cooling chamber is closed before start of dummy bar operation.	Done. New provision with interlocking with both doors of cooling chamber made. There is light and sound alarm in control room whenever the door is opened.
Durgapur Steel Plant (DSP)	14-12-2018 (Late Amin Khan on 25-09-2018)	No process or work should be carried on in factory in such a manner as to cause risk of bodily injury	Done. Process of work strengthened.
		The occupier shall ensure in providing such information, instruction, training and supervision as are necessary to ensure the health and safety of all workers at work.	Done. Necessary training and supervision done.
		The occupier shall ensure the provision, maintenance or	Done. Monitoring system put in

		monitoring of such work environment in the factory for workers that is safe and without risks to health.	place.
		Job safety analysis to be done before executing any hazardous / critical work A detailed plan incorporating hazards involved in the work and measures to be taken before and at the time of execution of work to be prepared before any kind of dismantling job.	Done. Job Safety Analysis done and jobs done as per dismantling plan.
		Proper system to be imparted to issue the standard "Permit to Work" before execution of work.	Done. All jobs done through Permit to work (PTW) system.
Durgapur Steel Plant (DSP)	12-04-2021 (Late Sk Samiuddin on 24-01-2021)	Adopt proper use of suspension rope with periodical testing of the same, to avoid such kind of accident in future.	Done. It is being practiced.
		Appropriate and effective supervision shall be provided and maintained to ensure the health and safety of all workers at work.	Done. Supervision system strengthened.
		When a worker has to work at a height from where he is likely to fall, provision shall be made by fencing or otherwise, to ensure the safety of the said worker so working.	Done. Hand railings / fencing provided.
SAIL Refractory Unit (SRU) – Ranchi Road	23-08-2021 (Late Bharat on 23-07-2021)	Keeping in view safety of the workers working in the factory, provisions of the Factories Act, 1948 (amended 1987) & the Jharkhand Factory Rules, 1950 to be followed for workers safety.	All the applicable provisions of the Factories Act, 1948 (amended 1987) & the Jharkhand Factory Rules, 1950 for workers safety are complied.
		During inspection, the copy of updated approved layout was not submitted. So it is directed that updated map to be prepared and to be submitted online within two weeks for approval.	Factory layout application submitted and approved.
