

## **CHAPTER XI**

### **ACCIDENT RETURNS AND STATISTICS**

#### **11.01 ACCIDENT RETURNS:- SECTION 121 OF the Railways Act, 1989**

Every Railway administration shall send to the central government, a return of accidents occurring on its Railway, whether attended with injury to any person or not, in such form and manner and at such intervals as may be prescribed.

#### **11.02 RULES FOR THE PREPARATION OF ACCIDENT RETURNS:**

1. Accident to trains shall be accounted for by the Railway, which exercises jurisdiction over the site of accident. Engine failures shall be accounted for by the Railway owning the engines
2. A train indented solely or partly for the carriage of passengers shall be treated as a passenger train. All other trains will come under the category of other trains.
3. Statistical returns in the prescribed proforma showing cumulative data till the end of the month should be submitted so as to reach Board's Office not later than the seventh day of the next month.
4. Only those accidents which occur during the period to which the returns relate shall be included in the relevant returns. With regard to accidents where full details are not available at the time of forwarding the returns shall be included in statement with a clear indication that further details would follow.
5. Each accident must be shown only once in the event of an accident falling in more than one category, it should be treated as an accident in the higher category.
6. Derailment or bumping during reversing or shunting operation etc., on an incoming, outgoing or any other load, including a sectional carriage, etc., shall be deemed to be a "train accidents". Only when the train engine or a vehicles still forming part of the train derails or as a result of bumping causality ( including injuries) or loss to railway property takes place, irrespective of whether the shunting was being done by the train engine or by a shunting engine.
7. Interruption is defined as duration from the time of accident till starting of first train on line clear from adjacent station for movement over the affected line in that section.

8. The statistics of fire should include all cases of physical fire or smoke emission resulting in death or injury or damage to property amount to Rs. 5000/- (Rs. Five thousand only) and above.
9. The equipment failures shall include all failures irrespective of date of last schedule or examination and shall be subsequently classified under avoidable or unavoidable category.
10. Details and statistics for accident cases falling under unusual incidents categories “N”, “P” and “Q” shall be maintained and provided by security (RPF) branch.
11. DRM at the divisional level and the General Manager at the zonal head quarters level will ensure the correct reporting of the accident to the zonal head quarters and the Railway Board respectively.

**11.03 AUTHORITIES RESPONSIBLE FOR COMPILATION AND SUBMISSION OF ACCIDENTS RETURNS AND STATISTICS:**

Authorities responsible for complaints and submission of accidents returns and statistics are-

- (i) For all accidents occurring in the division, the Division Railway Manager must ensure that all returns and statements are submitted in time to the Chief Safety Officer.
- (ii) For all accidents occurring on the railway, the Chief Safety Officer must ensure that all returns and statements are received, consolidated and submitted to the Railway Board, and the Commissioner of Railway Safety within the dates prescribed for each.

**11.04 ACCIDENTS STATISTICS TO BE MAINTAINED AT STATIONS:**

a) **Accidents Register:**

At every station a record of all accidents occurring at the station is maintained in the Accidents Register. This register shall contain the following particulars:

- (i) Date
- (ii) Time
- (iii) Brief details of the accidents
- (iv) Point number or exact site of the accident
- (v) Lighting conditions, if at night
- (vi) Weather conditions

- (vii) Names and designation of the station staff involved
- (viii) Guard's name
- (ix) Loco Pilot's name
- (x) Nature of enquiry held
- (xi) Staff held responsible
- (xii) Cost of damage
- (xiii) Time taken to finalise the case.

This register should be analysed and scrutinized to see if accidents are occurring during the duties of particular staff or at a particular time. This will help in deciding preventive measures, which have to be adopted and also serves as a check in regard to the time taken to finalise the case.

**11.05 MONTHLY STATEMENTS OF ACCIDENT TO BE SUBMITTED BY THE DIVISIONAL RAILWAY MANAGER TO ZONAL HEADQUARTERS**

<b>Class</b>	<b>Description</b>	<b>To whom</b>	<b>Time Schedule</b>	<b>Form</b>
A - 5	Other collisions, i.e., collision occurring in shunting, marshalling yards, loco yards and sidings, etc., but not involving a train.	CSO	Not later than 15 <sup>th</sup> of the following month	ACC. 14
D - 6	Other derailments, i.e., derailments occurring in shunting marshalling yards, loco yards and sidings, etc. But not involving a train. Note: Derailments involving light engines are to be classified under B – 5 only.	CSO	Not later than 15 <sup>th</sup> of the following month	ACC. 16
J - 1	Failure of engine hauling a train carrying passengers	CME or CEE	.....	Consolidated monthly statement
J - 2	Failure of engine hauling a train not carrying passengers or light engine	CME or CEE	.....	Consolidated monthly statement

J - 5 to J - 8	Failure of rolling stock on running trains, such as failure of tyres, wheels axles or braking apparatus etc.,	CME or CEE	.....	Consolidated monthly statement
P - 1	Person or persons falling out of running train resulting in grievous hurt to or loss of human life.	CSO	Not latter than 12 <sup>th</sup> of the following month	ACC . 17
P - 2	Person or persons run over or knocked down by a train resulting in grievous hurt to or loss of human life.	CSO	Not latter than 12 <sup>th</sup> of the following month	ACC . 13
P - 3	Person or persons falling out of a running train or knocked down by a train or digine or railway vehicle,not resulting in grievous hurt to, or loss of human life.	CSO	Not latter than 12 <sup>th</sup> of the following month	ACC . 17
R - 2	Train running over cattle Note: The term cattle do not include sheep, goat, pigs, dogs, asses, rams, ewes, lambs and kids.	CSO	Not latter than 7 <sup>th</sup> of the following month	Monthly Statement
Q - 1	Accidental or natural death or grievous hurt to any person, whether passenger, railway employee or trespasser ( or any other person) within railway premises (excluding railway quarters)	CSO	Notlatter t han 12 <sup>th</sup> of the following month	ACC . 12 in case of trespassers, ACC – 15 in case of staff

#### **11.06 FORTNIGHTLY REPORT TO RAILWAY BOARD:**

- i) A fortnightly report shall be submitted regularly on Railway accidents indicating clearly the trains involved, engines/coaches/wagons affected/damaged, time of accident, dislocation caused, number of train curtailed/diverted and the time taken to restore partial/full traffic.
- ii) The nature of the accident, the causes and the remedial measures taken to prevent occurrence of such accidents in future may also be indicated in the report.
- iii) This report shall be sent as per the following schedule:
  - (a) For the period from 1<sup>st</sup> to 15<sup>th</sup> of the month – by 18<sup>th</sup> of the month
  - (b) For the period from 16<sup>th</sup> to the last day of the month – by 3<sup>rd</sup> of the following month.
- iv) Information regarding number of trains cancelled/divided, time taken for partial/full restoration of traffic, cause (Prima facie cause, if final cause if not available) and immediate action taken may also be communicated while indicating the accident.

#### **11.07 COLLECTION, COMPILATION AND MONTHLY STATEMENT OF ACCIDENT STATISTICS:**

- a) Information about train accidents, yard accidents and indicative accidents falling under classification A,B,C,D,E,F,G and H will be compiled by the Safety Branch at Divisional and zonal Railways.
- b) Equipment failures falling under classification J.K.L and M will be compiled by the Divisional Control on daily basis and shall be handed over to Safety Branch. Every equipment failure shall be classified under the category of avoidable and unavoidable by the Branch Officers concerned and summary shall be handed over to Safety Department of the division. It is further clarified that all equipment failures should be taken into account irrespective of the date of last schedule or examination and shall be subsequently be. The Safety Branch shall forward the monthly summary to Chief Safety Officer of respective zonal Railways. Chief Safety Officers after compilation of Statement shall forward monthly statement to the Safety directorate of Railway Board.

- c) Unusual incidents falling under classification N, P and Q shall be collected and compiled by the Security (RPF) Branch at Divisional level and they shall take subsequent follow up action. Daily position will be given to the Safety Branch of the Division who after compilation of statistics shall forward monthly statement to Chief Safety Officer of Zonal Railways concerned. Chief Safety Officers after compilation of Statement shall forward monthly statement to the Safety Directorate of Railway Board.

**11.08 FOLLOWING SYSTEM WILL BE FOLLOWED FOR REPORTING OF ACCIDENT TO RAILWAY BOARD:**

- (a) Information regarding consequential train accident and any yard accident leading to serious repercussion shall be reported by Divisional Control to Headquarters Central Control of Zonal Railway Headquarters. Central Control shall in turn inform all concerned at Headquarters office including GM, PHODs etc.,
- (b) In case of accidents as in para (a) above, Chief Safety Officer / DY.COM(Safety) should thereafter inform nominated officer of Safety Directorate of Railway Board. At Board level safety directorate shall issue the message and take follow up action.
- (c) In case of land slide, breaches, OHE break down etc., which result in dislocation of more than threshold value and also cases due to public agitation shall be reported by head quarters control office to punctuality cell of Railway Board and dealt with by the coaching directorate.
- (d) Cases falling under N, P, and Q except Q-6 i.e., blockade of train services due to public agitation: shall be dealt with by security directorate.

**11.09 MONTHLY STATEMENT OF TRAIN ACCIDENTS TO BE SENT TO RAILWAY BOARD:**

- (a) The divisional Railway manager shall prepare in the prescribed form a monthly statement of train accidents and send it to the Chief Safety Officer so as to reach him not later than 7<sup>th</sup> of the following month.
- (b) The Chief Safety Officer shall send a consolidated statement in the prescribed form, so as to reach the Railway Board not later than 10<sup>th</sup> of the month following to which the statement relates.

- (c) Every officer dealing with accidents shall endeavour his utmost to collect and furnish all the information required for the preparation of the statement. But if any information is not available at the time of submission of the statement the remark “will follow” shall be made against the relevant items. Information with regard to such items shall be collected and a complete list, giving details about all items not originally furnished in each monthly statement, shall be submitted to the Chief Safety Officer without delay.
- (d) The monthly statement of train accident shall include all cases of accidents to trains coming under the following cases:

A-1 to A-4 - Collisions D-

1 to D-4 - Derailments

F-1 to F-4 - Averted collisions

H-1 & H-2 - Trains passing Engineering Stop indicator or fixed Stop signal at danger or running into Banner Flag.

G-1 & G-2 - Entry of a train into block section without any Authority or without a proper authority to proceed.

G-3 & G-4 - Reception of a train on a wrong line, whether clear or obstructed, and train entering into a catch or slip siding or sand hump.

C-1 & C – 2 -Trains running in to road traffic at level crossing to be described as such and not as collisions.

N –1 to N-3 - Cases of tampering with track or equipment discovered in time to avert an accident in a separate statement.

### **11.10 MONTHLY STATEMENT OF ACCIDENTS TO THE COMMISSIONER OF RAILWAY SAFETY.**

The Chief Safety Officer shall submit to the Commissioner of Railway Safety a consolidated monthly statement of accidents coming under the following classes-

P-1 Person or persons falling out of a running train resulting in grievous hurt to or loss of human life.

P-2 Person or persons run over or knocked down by a train resulting in grievous hurt to or loss of human life.

P-3 Person or persons falling out of a train or knocked down by a train not resulting in grievous hurt to or loss of human life.

Q-1 In the case of railway servants killed or seriously injured.

R-5 Person or persons injured due to bumping of an engine-either train engine, banking engine or shunting engine, with or without a shunting load or a vehicle/vehicles-against a rake/train.

This should also cover the following items:

- (i) A passenger rake with passengers in a siding bumping against a buffer stock or other vehicles causing injuries to passengers.
- (ii) A shunting engine colliding with a coaching stock in a siding or along a platform line causing death or injuries to the passengers in the rake.

### **11.11 SUBMISSION OF ACCIDENT STATEMENTS BY THE CHIEF SAFETY OFFICER**

<b>Sl. No.</b>	<b>Statements</b>	<b>Submitted to</b>	<b>Periodicity</b>
1	Advance intimation	Railway Board	1 <sup>st</sup> working day of the next month
2	Fortnightly statement	Railway Board	18 <sup>th</sup> of the month and 3 <sup>rd</sup> of the following month
3	P.C.D.O	Railway Board	10 <sup>th</sup> of the next month
4	D.A.R. and punishments	Railway Board	7 <sup>th</sup> of the next month
5	Nominated yards	Railway Board	10 <sup>th</sup> of the next month
6	'A' Statement	Railway Board	10 <sup>th</sup> of the next month
7	'B' Statement	Railway Board	45 <sup>th</sup> day after the completion of the month



8	'C' Statement	Railway Board	Quarterly
9	Cumulative Statistics	Railway Board	Quarterly
10	Details of train accidents falling under section 113 of the Railways Act, 1989 for the previous month	CRS	10 <sup>th</sup> of the next month
11	Monthly statement	CRS	10 <sup>th</sup> of the next month
12	Annual report to CRS	CRS	Annual
13	General Manager's Annual narrative report.	G Branch	Annual
14	Annexure IV to CRB	G Branch	Every month

**CASES TO BE SHOWN IN THE ANNUAL RETURNS:**

- (i) Cases in which a Railway servant sustains personal injuries by an accident which incapacitates him from resuming his normal duties for over two days have to be taken into account for the purpose of annual returns submitted by the Chief Safety Officer to the Railwayboard.
- (ii) The following instructions shall be adhered to in the matter of sending advice of sick leave granted to railway servants to Chief Safety Officer and Chief Personnel Officer.
  - (a) In the covering letter forwarding the Special Report or enquiry proceedings, it shall be specifically stated how much leave has been granted to the railway servant at the outset.
  - (b) Advice of further extension of sick leave up to a limit of less than 20 days shall not be sent, except where the Railway servant resumes duty within that period, having sustained permanent (partial or total) disablement, and consequent loss in his earning capacity.
  - (c) In every cases, when the period of sick leave granted to a Railway servant extends to 20 days or more, an advice shall always be sent. Subsequently extensions of the leave, if any, granted to him shall not be advised and only a final advice, giving the following particulars shall be sent.
  - (d) Total period of sick leave granted, whether the Railway servant has resumed duty or been declared unfit for further service, and whether or not the railway servant has sustained permanent (partial or total) disablement and consequent loss in his earning capacity.

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