GOVERNMENT OF INDIA (भारत सरकार)
MINISTRY OF RAILWAYS (रेल मंत्रालय)
(RAILWAY BOARD रेलवे बोर्ड)

No.2012/TC-I/307/01

Chief Commercial Manager(FM)
Western Railway

Sub: Conveyance of explosive/dangerous goods by rail
Ref: (i) Board’s letter No.TC-I/2000/307/1 Pt. dt.17.02.2005
(ii)Red Tariff No.20 and amendments thereto (copy enclosed)
(iii)Board’s letter No.TC-I/2015/108/2 dt.11.05.2017 (copy enclosed)

Please refer to WR’s letter No.C543/10/2 dt.03.10.2019 regarding conveyance of explosive/dangerous goods by rail.

In this regard, following is submitted:

- An amendment has already been issued in Red Tariff on 15.07.2005 indicating packing condition etc. for conveyance of dangerous goods in containers.

- Instructions have been issued to Zonal Railways to scrupulously follow the extant guidelines regarding booking of explosives/dangerous goods as per Red Tariff and amendments thereto vide Board’s letters dt.11.05.2017, 02.07.2018 and 24.12.2018 under reference.

DA: as above

(Shilpi Bishnoi)
Director, Traffic Commercial(Rates)
Railway Board
GOVERNMENT OF INDIA
BHARAT SARKAR
MINISTRY OF RAILWAYS/RAIL MANTRALAYA
(RAILWAY BOARD)

CIR/2000/307/1/Pt.

New Delhi, dated 17-2-2005

To General Managers
Indian Railways,

Sub: Provisional clearance for transportation of international containers containing dangerous/hazardous/offensive commodities by rail as per IMDG Code till inclusion in the Red Tariff.

References have been received from CONCOR and other rail users regarding procedure for carriage of dangerous/hazardous/offensive goods which are not yet covered under Red Tariff but have been imported in international containers under the International Maritime Dangerous Goods (IMDG) Code.

The matter has since been examined in consultation with the Chief Controller of Explosives, Ministry of Commerce and Industry, (Department of Explosives) Nagpur. It has been decided to accord "provisional" clearance to the transportation of international containers containing such dangerous/hazardous/offensive commodities, which have not yet been included in the Red Tariff, subject to the following terms and conditions:

(i) The dangerous/hazardous/offensive commodities should have been imported in international containers following all the norms prescribed in the IMDG code.

(ii) The IMDG conditions for packing, quantity etc. should not be altered or interfered with and the same international container with seal and packing intact should be transported by rail.

(iii) A copy of the relevant provisions of the IMDG Code should be made available to the goods sheds/container depots/sidings of the concerned zonal railways which are entrusted with the handling of containers carrying such dangerous/hazardous/offensive goods.

(iv) Isolated safe and secured place, observing necessary "Clear Safety Zone" should be provided in the container depots for temporary storage of containers till the clearance/disposal of such dangerous/hazardous/offensive commodities.

(v) CONCOR should simultaneously send a self-contained proposal to the Ministry of Railways, together with the relevant provisions of the IMDG Code, for inclusion of such commodities in the Red Tariff.
(vi) The Ministry of Railways shall take immediate necessary action for inclusion of these commodities in the Red Tariff after getting the clearance of the Chief Controller of Explosives and obtaining the approval of the Competent Authority.

These Instructions will be effective from 15.3.2005

This issues with the approval of the Safety and Traffic Transportation Directorates of the Railway Board.

Please issue instructions to all concerned and acknowledge receipt of this letter.

(N.K. Parsuramka)
Jt. Director, Traffic Comm'l. (Rates)
Railway Board

No. TC-I/2000/307/1/Pl.

New Delhi, dt. 2-2-2005

Copy for information and necessary action to:-

1. The Chief Commercial Managers, All Indian Railways
2. The Chief Operating Managers, All Indian Railways
3. Principal Chief Engineers, All Indian Railways
4. Chief Mechanical Engineers, All Indian Railways
5. FA&GAOs, All Indian Railways
6. Director General, Railway Staff College, Vadodara
7. Managing Director, CRIS, Chankayapuri, New Delhi-110023
8. Chief Administrative Officer, FOIS, Northern Railway, CRIS, Chankayapuri, New Delhi-110023
9. Chief General Manager, Container Corporation of India Ltd., Nagpur, Container Terminal, Behind Narendra Nagar, Nagpur 440027
10. Director (IM&O) Container Corporation of India Ltd., CONCOR Bhavan, G-3, Sarita Vihar, Opposite Apollo Hospital, New Delhi
11. Chief Controller of Explosives, Ministry of Commerce and Industry, Department of Explosives, Nagpur-440008
MINISTRY OF RAILWAYS
(Railway Board)

NOTIFICATION
New Delhi, the 15th July, 2005

G.S.R. 479(E).—In exercise of the powers conferred by clause (b) of sub-section (2) of section 87 read with sections 30 and 31 of the Railways Act, 1989 (24 of 1989), the Railway Board hereby makes the following amendments to the Railway Red Tariff Rules, 2000, namely:-

(1) These rules may be called the Railway Red Tariff (Amendment) Rules, 2005.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Railway Red Tariff Rules, 2000, in Chapter II -

(i) in rule 212.5, for the words and brackets "ammonia (Anhydrous) and chlorine ", the words and brackets "ammonia (Anhydrous) chlorine and phosgene" shall be substituted.

(ii) in Appendix II/2, after para 9, the following shall be inserted, namely :-

Phosgene

10. Phosgene is a non-inflammable, colourless gas, more than three times as heavy as air. Phosgene under pressure is readily liquefied and gives colourlessness to light yellow liquid. It has odour of sour green corn or moldy hay, often suffocating and strong, depending upon concentration. Phosgene is designated as poison of extremely dangerous nature which produces lethal effect.

11. It is soluble in organic solvents e.g., Carbon tetrachloride, Chloroform, Benzene, Toluene, Xylene, Chlorobenzene, etc., and slightly soluble in water. It is hydrolyzed by water to form corrosive hydrochloric acid and carbon dioxide. At higher temperatures, it dissociates into Carbon monoxide and Chlorine.
12. Suspected leaks of Phosgene should be detected only by personnel who are wearing suitable gas masks, using ammonia vapour devices as Phosgene produces white fumes in the presence of Ammonia.

13. The following are warning symptoms of Phosgene poisoning:

(i) Watering of eyes.

(ii) Coughing which may result in a thin, frothy expectoration.

(iii) Increased difficulty in breathing and lung irritation.

(iv) Headache, dizziness, nausea and vomiting;

(v) General weakness and collapse leading to unconsciousness and cessation of breathing.

At first sign of these symptoms, a person shall immediately leave the dangerous atmosphere. A warning notice shall be displayed and detection test be carried out before anyone is allowed to enter, unless he is wearing an approved breathing apparatus and the entry is permitted by a responsible person.

14. WHEN PHOSGENE LEAK IS DETECTED, SLAKED LIME ALKALI OR ALKALI SOLUTIONS SHOULD BE LIBERALLY THROWN OVER THE LEAKING CYLINDER AND ON THE FLOOR OF THE WAGON OR SHED WHERE LEAK HAS OCCURRED:

"WATER SHOULD NOT BE SPRAYED ON PHOSGENE GAS AS IT GIVES OUT CORROSIVE HYDROCHLORIC ACID AND CARBON DIOXIDE."

3. (i) In Chapter III, under the heading "Petroleum and other inflammable Liquids", in Table III, after the item Turpentine oil or spirits of turpentine substitutes (White spirit) Varnish having flash point below 65° C but not below 23° C and the entries relating thereto, the following shall be inserted, namely:-
|   | Should be packed in galvanised Iron Drums or epoxy coated M.S. Drums of appropriate gauge specified in Appendix III/1 to Rule 307.2 of Red Tariff No.20 leaving adequate air space in the drums or ISO containers with maximum weight per package 175 kgs. loaded in 20 feet (6.096 mt.) ISO containers with maximum permitted weight of 18-20 tonnes each (approx.). The minimum weight condition for two containers per flat wagon shall be thirty six tonnes. | Avoid and keep away from flame during storage and transportation, keep in closed container, store in a cool place. |   |   |   |

(ii) In Chapter III, after Appendix III/2, the following shall be inserted namely:

Appendix III/3
4. In Chapter IV, in Table IV, -

(i) after the item "Zinc dust or tutty Powder" and the entries relating thereto, the following shall be inserted, namely:-

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<tr>
<td>2.2 - Azobis (isobutryonitrile) Flammable</td>
<td>Inner - polythene liner</td>
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<td>Outer - fibre box/plastic/ wooden box</td>
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<td>Max. Wt. per drum - 50 kg.</td>
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<td>Azodicarbonamide/ Diazone dicarboxamide/ Azobisformamide</td>
<td>Inner - polythene liner</td>
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<td>Outer - fibre box/plastic/ wooden box</td>
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<td>Size of container -20 feet (6.096 metres)</td>
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(ii) after the item "Celluloid ware NOC (Nitro - based, apparently translucent)", the following shall be inserted, namely:-

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<tbody>
<tr>
<td>N.N. Dinitrosopenta-methylenetetramine (DNPT)</td>
<td>Inner - polythene liner</td>
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<td>Outer - fibre box/plastic/ wooden box</td>
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<td>Diphenyloxide 4,4' disulphonhydr- drazide/4,4'-Oxybis (benzene sulphonyl hydrazide Inflammable</td>
<td>Inner - polythene liner</td>
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<td>Size of container -20 feet (6.096 metres)</td>
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(iii) after item "Spent Oxide of Iron from gas purifiers" and the entries relating thereto, the following shall be inserted, namely:

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<tr>
<td>P-Toluene sulfonyl</td>
<td>Inner - polythene liner</td>
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<td>Semicarbazide</td>
<td>Outer - fibre box</td>
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5. In Chapter V, under the heading Oxidizing Substances, in Table V, after item "Chlorate of Soda" and the entries relating thereto, the following shall be inserted, namely:

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<td>1.3 - Dibromo -</td>
<td>Inner - Plastic liner</td>
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<td>5.5 Dimethyl</td>
<td>Outer - HDUP/HMDPE</td>
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6. (i) In Chapter I, under the heading Explosives, the sub-heading Weight for charge and days of acceptance, for rules 136.1, 136.2 and 136.3, the following shall be substituted, namely :-

"136. Traffic in wagon loads to be accepted in all days - Traffic in wagon loads shall be accepted on all days subject to a minimum weight for charge of sixty quintals for B.G., forty five quintals for M.G. and thirty five quintals for N.G. per four wheeled wagon. "
(ii) In Chapter II, under the heading Gases, Compressed, Liquified or Dissolved under pressure, the sub-heading Weight for charge and days of acceptance, for rules 231.1, 231.2 and 231.3, the following shall be substituted namely:

"231. Traffic in wagon loads to be accepted on all days - Traffic in wagon loads shall be accepted on all days, subject to a minimum weight for charge as prescribed in the Indian Railway Conference Association Goods Tariff."

(iii) In Chapter III, under the heading Petroleum and Other Inflammable Liquids, the sub-heading Weight for charge and days of acceptance for rules 329.1, 329.2 and 329.3, the following shall be substituted namely:

"329. Traffic in wagon loads to be accepted on all days - Traffic in wagon loads shall be accepted on all days, subject to a minimum weight for charge as prescribed in the Indian Railway Conference Association Goods Tariff."

(iv) In Chapter IV under the heading Inflammable Solids the sub-heading Weight for charge and days of acceptance for rules 428.1, 428.2 and 428.3, the following shall be substituted namely:

"428. Traffic in wagon loads to be accepted on all days - Traffic in wagon loads shall be accepted on all days, subject to a minimum weight for charge as prescribed in the Indian Railway Conference Association Goods Tariff."

(v) In Chapter V, under the heading Oxidizing Substances the sub-heading Weight for charge and days of acceptance for rules 527.1, 527.2 and 527.3, the following shall be substituted namely:

"527. Traffic in wagon loads to be accepted on all days - Traffic in wagon loads shall be accepted on all days, subject to a minimum weight for charge as prescribed in the Indian Railway Conference Association Goods Tariff."

(vi) In Chapter VI, under the heading Poisonous (Toxic) Substances the sub-heading Weight for charge and days of acceptance for rules 627.1, 627.2 and 627.3, the following shall be substituted namely:

"627. Traffic in wagon loads to be accepted on all days - Traffic in wagon loads shall be accepted on all days, subject to a minimum weight for charge as prescribed in the Indian Railway Conference Association Goods Tariff."
(vii) In Chapter VII, under the heading Radioactive Materials, the subheading Freight charges and days of acceptance for rules 708.1, 708.2 and 708.3, the following shall be substituted namely:

"708. Whenever, it is necessary to attach empty wagons as guard or dummy wagons for the safety of a train carrying radioactive materials such wagons will be charged at the rate notified in the Goods Tariff."

(viii) In Chapter VIII, under the heading Acids and other Corrosives the subheading Weight for charge and days of acceptance for rules 829.1, 829.2 and 829.3, the following shall be substituted namely:

"829. Traffic in wagon loads to be accepted on all days - Traffic in wagon loads shall be accepted on all days, subject to a minimum weight for charge as prescribed in the Indian Railway Conference Association Goods Tariff."

7. In Chapter VII, in Appendix VII/5, for the portions beginning with the words "subject to the provisions" and ending with the words "transport in a passenger train", the words "Subject to the provisions of sub-rules 707.4, any of the following types of packages may be booked as a parcel for transport in a parcel special train" shall be substituted.

[F. No. TC-I/2000/307/1/Part-I]
S. K. CHOWDHRI, Executive Director, Traffic Commercial (Rates)

Note:— The principal rules were published on 15.7.2000 in the Gazette of India Part II, Section 3, sub-section (i) vide G.S.R. No.266 dated 26.6.2000.
Government of India (भारत सरकार)
Ministry of Railways (रेल मंत्रालय)
(Railway Board रेलवे बोर्ड)

No.TC-1/2015/8/2

Chief Commercial Manager
Chief Operations Manager
All Zonal Railways

New Delhi, Dt. 11.05.2017

Sub: Conveyance of explosives and other dangerous goods by Rail.

The rules for conveyance of explosives and other dangerous goods are prescribed in Red Tariff No.20. As per the extant rules certain commodities namely Chlorate Mixture, Fulminate, Fire Works etc. are not authorized for transport.

Zonal Railways are advised that booking and transportation of explosives and other dangerous goods may be done as per the rules prescribed in Red Tariff No.20 (as amended from time to time).

(Lata Kumari)
Director, Traffic Commercial(Rates)
Railway Board
Government of India (भारत सरकार)
Ministry of Railways (रेल मंत्रालय)
(Railway Board)(रेलवे बोर्ड)

No.2012/TC-I/307/01

New Delhi, dt.24.12.2018

General Manager,
All Zonal Railways

Sub: Conveyance of explosives/dangerous goods by rail
Ref: (i) Red Tariff No.20 and amendments thereto
(ii) Board’s letter No.TC-I/2000/307/1 Pt. dt.17.02.2005
(iii) Board’s letter No.TC-I/2015/8/2 dt.11.05.2017
(iv) Board’s letter No.2012/TC-I/307/01 dt.02.07.2018

It has come to the notice of Board that a train met with a fire accident in Mumbai Division of Western Railway due to burning of two containers loaded with sodium nitrate.

Attention is invited to Board’s letters under reference (iii) and (iv) vide which Zonal Railways have been advised to scrupulously follow the extant guidelines regarding booking and transportation of explosives/dangerous goods as per Red Tariff No.20 and amendments thereto.

The above-mentioned instructions are reiterated for strict compliance by all concerned.

(Barjesh Dharmani)
Exec. Director Traffic Commercial (Rates)
Railway Board