



Tonga

# **EXPLOSIVES REGULATIONS**

**Chapter 20.12.1**

**2016 Revised Edition**





## EXPLOSIVES REGULATIONS

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Tonga

# EXPLOSIVES REGULATIONS

## EXPLOSIVES ACT

*Made by the Privy Council<sup>1</sup>*

Commencement [1 January 1973]

### 1 Short title

These Regulations may be cited as the Explosives Regulations.

## PART I - PRELIMINARY

### 2 Interpretation

In these Regulations unless a contrary intention appears —

“**ammunition**” means an explosive of any kind enclosed in any case or contrivance or otherwise adapted so as to form a cartridge or charge for small arms, cannon or any other weapon, or for blasting, or to form any safety or other fuse for blasting, or for shells, or to form any tube for firing explosives, or to form a percussion cap, a detonator, a fog signal, a shell, a torpedo, a war rocket, a submarine mine, a land mine, or other contrivance other than a firework;

“**chlorate-mixture**” means any explosive containing a chlorate;

“**detonator**” means a capsule or case which is of such strength and construction and contains a fulminate in such quantity that the explosion of

one capsule or case will communicate the explosion to other like capsules or cases;

“**firework**” includes all firework and signal light compositions as well as manufactured fireworks and signal lights;

“**fulminate**” means any chemical compound or mechanical mixture which from its great susceptibility to detonation is suitable for employment in percussion caps or any other appliances for developing detonation, or which from its extreme sensibility to explosion and from its great instability (that is to say, readiness to undergo decomposition from very slight exciting causes) is especially dangerous;

“**gunpowder**” means exclusively gunpowder ordinarily so called;

“**industrial explosive**” includes blasting powder, nitro-glycerine, dynamite; fulminate of mercury or of other metals, detonators, fuses for blasting purposes, and every other substance whether similar to those above-mentioned or not used or manufactured with a view to producing a practical effect by explosion;

“**licensing officer**” means the Minister of Police and includes any officer appointed by him in writing in that behalf;

“**matches**” includes all kinds of matches ordinarily so called whether safety or otherwise;

“**nitrate-mixture**” means any preparation other than gunpowder ordinarily so called formed by the mechanical admixture of a nitrate with any form of carbon or with any carbonaceous substance not possessed of explosive properties, whether sulphur be or be not added to such preparation and whether such preparation be or be not mechanically mixed with any other non-explosive substance;

“**nitro-compound**” means any chemical compound possessed of explosive properties or capable of combining with metals to form an explosive compound which is produced by the chemical action of nitric acid (whether alone or mixed with sulphuric acid), or of a nitrate mixed with sulphuric acid upon any carbonaceous substance, whether such compound is mechanically mixed with other substances or not;

“**percussion cap**” does not include a detonator;

“**safety cartridges**” means cartridges for small arms or machine guns of a prescribed maximum gauge of which the cases can be extracted from the small arms after firing and which are so closed as to prevent an explosion in one cartridge communicating itself to another;

“**safety fuse**” means fuse for blasting which burns but does not explode, and which does not contain its own means of ignition, and which is of such strength and construction and contains an explosive in such a quantity that the burning of such fuse will not communicate laterally with other like fuses.



## PART II - CLASSIFICATION OF EXPLOSIVES

### 3 Classification

For the purposes of these Regulations, explosives shall be classified as follows, namely —

Class	I	—	Gunpowder
Class	II	—	Nitrate-mixture
Class	III	—	Nitro-compound
Class	IV	—	Chlorate-mixture
Class	V	—	Fulminate
Class	VI	—	Ammunition
Class	VII	—	Firework

and when an explosive falls within the description of more than one class it shall be deemed to belong exclusively to the latest of the classes within the description of which it falls, excepting that no such explosive shall be so deemed to belong exclusively to class VII.

#### CLASS I — GUNPOWDER CLASS

This class consists of gunpowder only.

#### CLASS II — NITRATE-MIXTURE CLASS

The nitrate-mixture class comprises such explosives as Pyrolithe, pudrolithe, saxifragin powder, Kellow's powder, and any preparation coming within the above definition.

#### CLASS III — NITRO-COMPOUND CLASS

The nitro-compound class has two divisions —

Division 1 comprises such explosives as —

Nitro-glycerine	Ammonite
Dynamite	Carbonite
Roburite, Westphalite	Ardeer powder
Lithofracteur	Ballistite
Dualine	Gelignite
Glyoxiline	Forcite
Methylic nitrate	Cordite
Blasting gelatine	Rifleite

Gelatine dynamite	Amberite
Securite	Walsrode
Bellite	Cannonite

and any chemical compound or mechanically mixed preparation which consists, either wholly or partly, of nitro-glycerine or some other liquid nitro-compound.

Division 2 comprises such explosives as- —

Gun-cotton, ordinarily so called	Nitro-mannite
Cotton gunpowder	Picrates
Schultz' powder	Picric powder
Gun-paper	Tonite (or cotton
Xyloidine	powder)
Gun sawdust	Lyddite
Nitrated gun-cotton	E.C. Powder

and any nitro-compound as before defined which is not comprised in the first division.

#### CLASS IV — CHLORATE-MIXTURE CLASS

The chlorate-mixture class has two divisions —

Division 1 comprises such explosives as —

Horsley's blasting powder  
Brian's blasting powder

and any chlorate preparation which consists party of nitro-glycerine or some other liquid nitro-compound.

Division 2 comprises such explosives as —

Horsley's original	Chlorated gun-cotton
blasting powder	Hochstadter's blasting charges
Erhardt's powder	Reichen's blasting charges
Reveley's powder	Teutonite

and any chlorate-mixture as before defined which is not comprised in the first division.

#### CLASS V — FULMINATE CLASS

The fulminate class has two divisions —

Division 1 comprises such compounds as the fulminates of silver and of mercury and preparations of these substances, such as are used in percussion caps, and any preparation consisting of a mixture of a chlorate with phosphorus, or certain

descriptions of phosphorus compounds, with or without the addition of carbonaceous matter, and any preparation consisting of a mixture of a chlorate with sulphur, or with a sulphuret with or without carbonaceous matter.

Division 2 comprises such substances as the chloride and the iodide of nitrogen, fulminating gold and silver, diazobenzol, and the nitrate of diazobenzol.

### CLASS VI — AMMUNITION CLASS

The maximum gauge at which a small arm cartridge can be accepted as “safety” is one inch or 2.54 centimetres. The following are the gauges of the machine-gun cartridges which may be accepted as “safety” —

.303 inch or .762 centimetres cordite;

Martini-Henry rifle, solid case;

.45 inch or 1.143 centimetre Gardner, Gatling and Nordenfeldt, except Martini-Henry chambered guns;

.4 inch or 1.016 centimetre.

Cartridges of larger gauge are not safety cartridges.

The ammunition class has three divisions —

Division 1 comprises exclusively —

safety cartridges;

safety fuses for blasting;

fuses for shells, and friction tubes for guns, or percussion primers, provided there be not more than 5 fuses or percussion primers or 25 tubes in one package and that the package be a hermetically sealed metal cylinder;

percussion caps.

Division 2 comprises any ammunition, as before defined, which does not contain its own means of ignition and is not included in division 1, such as —

cartridges for small-arms, which are not safety cartridges;

cartridges and charges for cannon, shells, mines, blasting, or other like purposes;

shells and torpedoes containing any explosive;

fuses for blasting, which are not safety fuses;

fuses for shells;

tubes for firing explosives;

war-rockets;

which do not contain their own means of ignition.

Division 3 comprises any ammunition, as before defined, which contains its own means of ignition and is not included in division 1, such as —

- detonators;
- cartridges for small-arms, which are not safety cartridges;
- fuses for blasting, which are not safety fuses;
- fuses for shells;
- tubes for firing explosives;

which do contain their own means of ignition.

By ammunition containing its own means of ignition is meant ammunition having an arrangement, whether attached to it or forming part of it, which is adapted to explode or fire the same by friction or percussion.

### CLASS VII — FIREWORK CLASS

The firework class has two divisions —

Division 1 comprises firework compositions — that is to say, any chemical compound or mechanically mixed preparation of an explosive of inflammable nature, which is used for the purpose of making manufactured fireworks, and is not included in the former classes of explosives, and also any star and any coloured fire composition, subject to the provision hereinafter set forth.

Division 2 comprises manufactured fireworks — that is to say any explosive of any of the foregoing classes and any firework composition, when such explosive or composition is enclosed in any case or contrivance, or is otherwise manufactured so as to form a war-rocket, maroon, lance, wheel, Chinese fire, Roman candle, a squib, cracker, toy cap or amorce, serpent, rocket or other article specially adapted for the production of pyrotechnic effects or pyrotechnic signals or sound signals:

Provided that a substantially constructed and hermetically closed metal case containing not more than 454 grams of coloured fire composition of such a nature as not to be liable to spontaneous ignition shall be deemed to be a “manufactured firework”.

## PART III - MANUFACTURE OF EXPLOSIVES

### 4 Authorized place of manufacture

The manufacture of any explosive shall not nor shall any process of such manufacture be carried on except at a factory for explosives duly licensed in that behalf, and if any person manufactures any explosive at any place ashore or afloat at which he is not allowed by this regulation so to do, he shall be deemed to manufacture explosives at an unauthorized place:

Provided that the Prime Minister may exempt any explosive from the operation of this regulation.

## 5 Unauthorized place

Where any explosive is manufactured at any unauthorized place —

- (a) all or any part of such explosive or its ingredients or the various apparatus used in its manufacture which may be found either in or about such place or in the possession of under the control of any person convicted under the preceding regulation may be forfeited; and
- (b) the person so manufacturing shall be liable to a fine not exceeding \$400 or to imprisonment for a period not exceeding one year or to both such imprisonment and fine.

## 6 Licensing premises

- (1) Subject to the approval of the Prime Minister and to any regulations made under the Act, the licensing officer may license any premises which may appear suited to the purpose for the manufacture of such explosive or explosives as he may deem fit.
- (2) A fee of \$10 shall be leviable for every licence to manufacture gunpowder or fireworks.

## 7 Keeping books

Every manufacturer of explosives shall at all times keep books, which shall be open to the inspection of the licensing officer and of any police officer not below the rank of sub-inspector, containing an accurate record of all explosives manufactured by him; and any manufacturer of explosives failing to keep such books or to produce them for inspection as aforesaid when required shall be liable to a fine not exceeding \$200.

# PART IV - STORAGE OF EXPLOSIVES

## 8 Storage

No explosive shall be stored in any place or premises whether on land or on water not duly licensed in that behalf:

Provided always that —

- (a) a person in possession of a licence to possess, use or carry an arm or ammunition granted under the provisions of the Arms and Ammunition Act,<sup>2</sup> may store without a licence on any premises not being a place of

business specified in an arms and ammunition dealer's licence granted under the provisions of that Act, the amount and description of safety cartridges specified in such licence;

- (b) any person licensed as an arms and ammunition dealer under the provisions of the Arms and Ammunition Act may store without a licence at the place or places of business specified in his licence, the amount and description of safety cartridges specified in such licence;
- (c) any rifle club or association approved by the Prime Minister may without a licence and in a place approved by the Prime Minister store for its own use and not for trade purposes any amount of safety cartridges, for use with gun, rifle or pistol, not exceeding 5000;
- (d) the provisions of this regulation shall not apply to the case of any person conveying explosive from place to place in accordance with the provisions of the Act.

## 9 Magazine

- (1) Save as otherwise expressly provided in these Regulations explosives shall be stored only in a magazine, being a building constructed solely for that purpose.
- (2) Every magazine shall be located in accordance with the Table of Distances contained in the Third Schedule hereto. Where it is impracticable so to locate the magazine, the licensing officer may select the most suitable location:  
  
Provided that this paragraph shall not apply to any magazine built prior to these Regulations coming into force, unless deemed necessary by the licensing officer.
- (3) The construction, lining and ventilation of every magazine shall be approved by a licensing officer.
- (4) The ground surrounding a surface magazine to a distance of not less than 15.25 metres from the nearest point of such magazine shall be kept clear of grass, weeds or other vegetable growth and of any inflammable material.
- (5) No other material shall be stored in a magazine with explosives.
- (6) Should an unlawful entry into a magazine be made or attempted the holder of the licence shall forthwith notify the nearest Police Station.
- (7) Every magazine shall be in the charge of a responsible person not under the age of 21 years who shall make application for a Storekeeper's (Explosives) Licence in the form set out in the First Schedule (Form F) and whose appointment shall be approved by a licensing officer who shall issue the required licence in the form set out in the First Schedule (Form G).<sup>3</sup>
- (8) Detonators shall not be stored in the same magazine as other explosives.

- (9) Storage of less than 200 detonators may be in a separate locked receptacle, isolated from inflammable material, and kept readily accessible for removal in case of fire.
- (10) Storage of not less than 200, but less than 2,000 detonators shall be in a weather-proof locked receptacle, secured against removal and at least 15.25 metres from any building or roadway.
- (11) Storage of 2,000 or more detonators shall be in a separate magazine located in accordance with the Table of Distances for 227 kilograms of explosives. Where it is impracticable so to locate the magazine, a licensing officer may select the most suitable location.
- (12) Gunpowder and blasting powder in grain form, chlorate mixtures and nitrate mixtures shall not be stored in the same magazine as explosives intended to be exploded by a detonator.
- (13) No unprotected light shall be taken into or used in a magazine or taken or used within 7.625 metres thereof.
- (14) No unprotected light shall be taken or used within 3 metres of any explosives being loaded, unloaded or otherwise handled.
- (15) No person shall smoke while handling explosives or take into or use in a magazine anything which may cause ignition.
- (16) Explosives shall be stored tidily and in such a manner that the oldest explosives shall be the most readily accessible, and provided these have not deteriorated, they shall be used first.
- (17) Explosives which have deteriorated shall not be used or offered for sale but shall be disposed of by or under the directions of the owner, or person in charge, either independently or as directed by the licensing officer, but in any event in a safe manner.
- (18) No scraps or broken portions of explosives shall be left on the floor of a magazine.
- (19) Only implements made of wood, brass or copper shall be used in opening cases of explosives:  
  
Provided that where cases are screwed down, an iron screw-driver may be used to withdraw the screws, but for no other purpose.

## 10 Issuing licence

The licensing officer may (subject to the provision that all licences for hulks or magazines shall when licensed for the first time be countersigned by the Prime Minister) on application being made to him and after satisfying himself that the premises are suitable and due precaution for the public safety has been taken, issue a licence in the Form A in the First Schedule hereto for the storage and/or sale of explosives in any magazine, hulk, store house or shop. Such licence shall expire

on the 31st day of December of the year in which it is issued and shall be for any period in months, and shall specify the maximum amount of each kind of explosive which may be stored at one time:

Provided that a magazine for the storage of industrial explosives shall have first been approved by the licensing officer who shall himself specify the maximum amount of industrial explosive which may be stored therein:

And provided further that no licence shall be issued under this regulation for the storage of explosives on any land occupied for the purpose of prospecting, mining or quarrying operations unless such licence shall have been countersigned by a licensing officer in token of his consent thereto.

### **11 Excess of amount stored**

Any holder of a licence storing or causing to be stored in licensed premises any explosives in excess of the amount specified or of a kind not specified in his licence shall be deemed to store explosives contrary to the provisions of these Regulations.

### **12 Occupier of premises**

Every holder of a licence under regulation 10 shall be deemed to be the occupier of the premises named in such licence, and any notice legibly addressed to him in English and delivered at such premises shall be deemed to have been delivered to him.

### **13 Licence not transferable**

No licence shall be transferable. If licensed premises change hands the transferee shall apply to the licensing officer for a new licence, failing the possession of which he shall be deemed to store explosives contrary to the provisions of regulation 8.

### **14 Forfeiture**

Where any explosive is stored or kept contrary to the provisions of regulation 8, all or any part of such explosive may be forfeited by order of a Magistrate, and any person so storing, keeping, causing to be stored or causing to be kept explosives shall be liable to a fine not exceeding \$100.

### **15 Hulk or floating magazine**

Every hulk or floating magazine licensed under these Regulations shall be painted externally vermilion, and shall have the word "Explosives" legibly printed on both sides in large letters of white paint at least 61 centimetres in height, and such hulk or magazine shall be moored fore and aft in such position as is indicated in the licence, and shall be used exclusively for the storage of explosives.



**16 Other premises**

All premises other than hulks or floating magazines licensed for the storage of explosives under these Regulations shall have displayed in some conspicuous place a board bearing the words “Licensed to store and deal in Explosives” or “Licensed to store explosives”, as the case may be, legibly marked thereon in such manner as the licensing officer shall direct, and any person who fails to expose such board, publicly and any person who, holding no licence, exposes such a board or a colourable imitation thereof shall be liable to a fine not exceeding \$20.

**17 Structural alteration**

No structural alteration shall be made in any part of a licensed hulk, magazine, or store without written permission from the licensing officer.

**18 Matches and petroleum**

No matches and no petroleum to which the Petroleum Act<sup>4</sup> or any other Act for the time being in force regarding the importation, possession and transport of petroleum applies, shall be kept for sale in any premises licensed for the storage of more than \$40 of explosives, and any person so keeping any matches or any such petroleum shall be liable to a fine not exceeding \$10.

**19 Temporary licence**

The licensing officer may on application made to him issue a temporary licence in the Form A in the First Schedule hereto for the storage, for a short period to be specified, of such explosive as may be required for any pyrotechnic display.

**20 Revocation or suspension of licence**

Any licence granted under the provisions of these Regulations may be revoked or suspended without cause assigned by the licensing officer.

**21 Fees**

The fees leviable under these Regulations shall be as set out in the Second Schedule: Provided that no fee shall be leviable in respect of permits to purchase or possess .22, .303, .38 or .455 ammunition issued to a member of any rifle club or association approved by the Prime Minister.

## 22 Licensed person to keep books

Every person licensed to store explosives under regulation 10 shall at all times keep books, which shall be open to the inspection of the licensing officer and of any police officer not below the rank of sub-inspector or an officer in charge of a police station, containing an accurate record of all explosives stored by him; and any such person failing to keep such books or to produce them for inspection as aforesaid when required shall be liable to a fine not exceeding \$50.

## PART V - PACKING AND TRANSPORT

### 23 Packaging

- (1) The provisions of this regulation shall be observed with respect to the packing of explosives for conveyance.
- (2) Each class of explosive shall be separately packed and each case shall be legibly labelled.
- (3) The explosive shall be contained in a double package. The inner package shall be a substantial case, bag, canister, or other receptacle made and closed so as to prevent the explosive from escaping, and the outer package shall be a box, barrel, or case of wood or metal or other solid material, and shall be of such strength, construction, and character that it will not be broken or accidentally opened, or become defective or insecure whilst being conveyed and will not allow the explosive to escape:

Provided as follows —

- (a) an explosive, not being an explosive of class V (fulminate), or of the 2nd and 3rd divisions of class VI (ammunition), or of the 1st division of class VII (firework), shall, if not exceeding 2.27 kilograms in quantity, be contained in a substantial case, bag, canister, or other receptacle made and closed so as to prevent the explosive from escaping;
- (b) if the explosive is of class I (gunpowder), or of class II (nitrate-mixture), or is gun-cotton or another explosive of the 2nd division of class III (nitro-compound), the quantity of the explosive in any one outer package shall not, in the case of explosives of the first two classes exceed 45.4 kilograms, and in other cases 22.7 kilograms;
- (c) if the explosive is picric acid, the inner package must be of such a nature as effectually to prevent any picric acid from coming into contact with any basic metallic oxide, and special precautions must be taken to prevent this by heavily lacquering all metal surfaces with which the explosive is likely to be in contact;
- (d) if the explosive belongs to the 1st division of class III (nitro-compound) or to class IV (chlorate-mixture), the inner package shall be without any

- metal in its construction, and the inner or outer package, or both, shall be thoroughly waterproof. No one of the inner packages shall contain more than 4.54 kilograms, and the aggregate quantity of the explosive in any one outer package shall not exceed 22.7 kilograms;
- (e) if the explosive belongs to class V (fulminate) and is of such character that it cannot be packed mixed with water, or that danger would arise from such mode of packing, it shall be packed in such manner as shall be especially directed by the Prime Minister;
- (d) any other explosive of the fulminate class shall be packed as follows —  
It shall be packed in bags or coverings of calico, canvas or other materials permeable to water, and containing each not more than 11.35 kilograms of fulminate, and so made and closed as to prevent any explosive from escaping. Such bags or coverings shall be packed in a case containing sufficient water to ensure the explosive being kept constantly wet, and such case (hereinafter called the inner case) shall be packed in an outer case containing sufficient water constantly to surround the inner case; and the inner case and the outer case shall each be of strength, construction and character that it will not be broken or accidentally opened, or become defective or insecure whilst being conveyed, and will not allow any fulminate or water to escape; and the amount of the explosive in any one outer case shall not exceed 90.8 kilograms except with the consent of, and under conditions approved by, the licensing officer;
- (g) every package when actually used for the packing of one fulminate shall not be used for the packing of any other fulminate or for any other purpose;
- (h) on the outer case of every package containing fulminate there shall be affixed in conspicuous characters by means of a brand or securely attached label or other mark the word “Explosive” in white paint with the name of the explosive followed by the words “Fulminate, division 1” (or 2, as the case may be), and the name and address of the owner or sender;
- (i) if an explosive belongs to the 1st division of class VI (ammunition), it shall be contained in a box, barrel, or case of wood, metal, or other solid material, and of such strength, construction and character that it will not be broken or accidentally opened or become defective or insecure whilst being conveyed, and will not allow any explosive to escape;
- (j) if the explosive belongs to the 2nd division of class VI (ammunition), the following regulations shall apply —
- (i) a shell or torpedo containing any explosive material whether such shell or torpedo be separate from part of a rocket or other appliance, shall be packed in such manner as may be specially directed by the Prime Minister with reference to such explosive;

- (ii) any explosive material when made up into a cartridge or charge for cannon, shells, mines, blasting or other like purposes, shall be packed in the manner required for the same explosive material when not so made up:

Provided that where a double package is required, the enclosing case of such cartridge or charge, if it satisfies the conditions required for the inner package, may be held to be such inner package;

- (iii) any other explosive of the 2nd division shall be packed in a box, barrel, or case of wood, metal, or other solid material, and of such strength, construction, and character that it will not be broken or accidentally opened, or become defective or insecure whilst being conveyed, and will not allow any explosive to escape,

and any one such package shall not contain more than 45.4 kilograms of ammunition;

- (k) if the explosive belongs to the 3rd division of class VI (ammunition), it shall be packed in a double package. The inner package shall not contain more than 908gms of such explosive and no more than 22.7 kilograms shall be contained in the outer package;
- (l) if the explosive belongs to the 1st division of class VII (firework), it shall be contained in a double package. The inner package shall be a substantial canister, case, or other receptacle surely closed, and containing no more than 454 grams of explosive, and no more than 9 kilograms shall be contained in the outer package;
- (m) if the explosive belongs to the 2nd division of class VII (firework), it shall be contained in a box, barrel, or case of wood, metal, or other solid material, and of such strength, construction, and character that it will not be broken or accidentally opened, or become defective or insecure whilst being conveyed, and will not allow any explosive to escape, and the quantity of explosive in any one package shall not exceed 45.4 kilograms.

## 24 Conditions

Whatever be the amount of the explosive, and to whatever class or division of a class it belongs, the following conditions shall be observed —

- (a) the interior of every package, whether single or double, shall be kept free from grit and otherwise clean;
- (b) every package, whether single or double, when actually used for the packing of the explosive, shall not be used for the packing of any other explosive of the same or any other class or for any other purpose, except with the consent of, and under conditions approved by the licensing officer;

- (c) there shall not be any iron or steel in the construction of any such single package or inner or outer package unless the same is effectually covered with tin, zinc, or other suitable material;
- (d) on the outermost package there shall be affixed, in conspicuous characters, by means of a brand or securely attached label or mark, the word “Explosive” in white paint, followed by the name of the explosive or other description of the contents and the name and address of the owners or senders;
- (e) the amount of the explosive in any single package or, if there is a double package, in any one other package, shall not exceed the amount specified in the foregoing regulations except with the consent of, and under conditions to be approved by, the licensing officer or other officer appointed by the Government in this behalf.

## **25 Breach relating to packing**

Whoever commits a breach of any of the foregoing regulations relating to the packing of explosives for conveyance shall be liable to a fine not exceeding \$100.

### **MODE OF CONVEYANCE**

## **26 Pack in prescribed manner**

No explosive shall be conveyed from place to place unless packed in the manner provided for in the foregoing regulations.

## **27 Sufficiently separated**

There shall not be conveyed in any carriage or vessel which is being used for the conveyance of an explosive, any explosive of a different class and division of whatsoever nature which contains its own means of ignition, unless it is sufficiently separate therefrom to prevent any fire or explosion which may take place in one such explosive being communicated to another.

## **28 Fire or artificial light**

Whilst the explosive is being loaded on, or unloaded out of, any carriage or vessel, no fire or artificial light, nor any article which is liable to cause or communicate fire or explosion (such as charcoal, lucifer matches, articles for striking a light, petroleum to which the Petroleum Act or any other Act for the time being in force regarding the importation, possession and transport of petroleum applies, or any spirit, or oil, or substance that gives forth an inflammable vapour at a temperature below 23.55 degrees Centigrade, shall be, or shall be allowed to be, brought, had or used dangerously near to such carriage or vessel and no smoking shall be allowed in, on or dangerously near to the same:

Provided that, when the use of a light for the purpose of such loading or unloading is unavoidable, a lamp of such construction, position or character as not to cause any danger from fire or explosion may be used;

and no person, while landing any explosive (except an explosive of class VI, division 1, or an explosive of class VII if packed in accordance with the packing regulations), shall wear boots or shoes with iron or steel nails, heels or tips.

## **29 Hand to hand passing**

In the loading or unloading of any explosive, the sacks and packages containing the same shall be passed from hand to hand and not rolled upon the ground; they shall not be thrown or dropped down, but shall be carefully deposited and stowed.

## **30 Securing explosive**

The explosive shall not be conveyed except in the interior of a carriage so enclosed on all sides with wood or metal, or in the hold of a vessel having a close deck so closed as effectually to protect the explosive against accident by fire from without. If the explosive cannot be so secured, it shall be completely covered with painted cloth, tarpaulin or other suitable material, so as to protect it effectually against communication of fire.

## **31 No iron or steel**

There shall not be any iron or steel in the interior of the portion of the carriage or vessel with which the case containing the explosive is in contact, unless the same is effectually covered with leather, wood, cloth or other suitable material.

## **32 Stowing**

In the stowing of the explosive, due precaution shall be taken by means of a partition or otherwise, and by careful stowing to secure such explosive from being brought into contact with, or endangered by, any other article or substance conveyed in such carriage or vessel which is liable to cause fire or explosion; and if the explosive is dangerously affected by water, due precautions shall be taken to exclude water from coming into contact with such explosive.

## **33 Amount to be conveyed**

- (1) The amount of explosives conveyed in any one carriage or vessel at any one time shall not exceed 4540 kilograms.
- (2) The foregoing provision of this regulation shall not apply —
  - (a) where the carriage be so enclosed on all sides with wood or metal, or the vessel has a close deck so closed as effectually to protect the

explosives against accident by fire from without, in which case the amount of explosives conveyed shall not exceed 6.12 tonnes in any carriage or 20.4 tonnes in any vessel; or

- (b) in the case of lighters used for the purpose of unloading or loading on to any vessel carrying explosives at a port if the distance from such vessel to the shore does not exceed 3.2 kilometres, provided that all due precautions are taken for prevention of accident to the satisfaction of the harbour master or other appointed person; or
- (c) in the case of a vessel which is towed inside a reef, but not in any river or inland waterway, and which carries neither passengers nor crew, except a helmsman, in which case the amount of explosives conveyed shall not exceed 102 tonnes.

### 34 Non-application of Part V

Nothing in the foregoing regulations of Part V hereof (except regulation 23) shall apply to any explosive of the 1st division of class VI (ammunition):

Provided that all due precautions are taken for the prevention of accidents.

### 35 Carrying public passengers

- (1) No explosives shall be conveyed in a carriage whilst carrying or plying for public passengers.
- (2) No explosive shall be conveyed in a vessel whilst carrying or plying for public passengers, unless the quantity is less than 2.27 kilograms and notice has been given beforehand to the person in charge of such vessel:

Provided —

- (a) that there shall not be conveyed in any such vessel any explosive of class V (fulminate), or any explosive of the 3rd division of class VI (ammunition), or of the 1st division of class III (nitro-compound), except —
  - (i) dynamite, which may be carried in the form of cartridges up to the limit of 2.27 kilograms, provided that no detonators are carried in the same compartment:
  - (ii) detonators to the number of 200, provided that the amount of explosives of class V (fulminate) in the detonators shall in no case exceed in the aggregate 85 grams (a certificate to this effect being given by the agent of the company or firm or by the person by whom the detonators are tendered for transport), and that no dynamite is carried in the same compartment;
- (b) that where there is no available communication with any port or place except by vessel carrying passengers, it shall be lawful to ship explosives on such vessel on condition that such vessel shall be

provided with a special compartment or magazine for the protection of the explosive and subject to such special conditions and restrictions as the harbour master or other authorised officer may deem fit.

### **36 Class V, class VI and class VII**

With respect to the conveyance by carriage or vessel of explosives of class V (fulminate), or of the 3rd division of class VI (ammunition), or of the 1st division of class VII (firework), or of larger quantities than 2.27 kilograms of any other explosive, the following regulations shall be observed —

- (a) the person in charge of the carriage or vessel shall not drive or conduct the same in a dangerous or reckless manner, and shall take all due precautions to avoid fire and explosion, and no person shall do any act or thing in relation to the explosive which tends to cause fire or explosion, and is not reasonably necessary for the conveyance of the explosive or for work immediately connected with such conveyance; and a person who is intoxicated shall not have charge of any carriage or vessel conveying explosive, and shall not be permitted to be in, on, or attending the same;
- (b) a person shall not forward to any warehouseman or carrier a consignment of explosive unless he has given notice to such warehouseman or carrier beforehand stating the name and quantity of the explosive proposed to be conveyed and the name and address of the proposed consignee, and has had an intimation that the warehouseman or carrier is prepared to receive the consignment; and a warehouseman or carrier shall not make such an intimation, nor receive it, and forthwith to despatch the same, or to deposit it in a magazine or at a place at which a person is licensed to possess the same;
- (c) the carriage or vessel conveying the explosive shall be in charge of, and constantly attended by, some competent person, or by a sufficient number of competent persons, and such persons shall not, if the amount of the explosive conveyed exceed 45.4 kilograms, stop or delay for a longer time than may be reasonably necessary, or stop unnecessarily at any place where such stopping would be attended with special public danger.

### **37 Breach relating to mode of conveyance**

Whoever commits a breach of any of the foregoing regulations relating to the mode of conveyance of explosives shall be liable to a fine not exceeding \$50.



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## PART VI - IMPORTATION AND EXPORTATION

### 38 Importing or exporting licence

An explosive shall not be imported, exported or removed from place to place except under and in accordance with a licence in that behalf in the Form C in the First Schedule hereto issued by a licensing officer.

### 39 Breach and penalty

Whoever imports or exports an explosive in contravention of regulation 38 shall be liable to a fine not exceeding \$400 or to imprisonment for a period not exceeding one year or to both such fine and imprisonment; and whoever removes an explosive in contravention of the said regulation shall be liable to a fine not exceeding \$200.

### 40 To be fit for importation

In the case of explosives of class III and class IV and such explosives of class VI divisions 2 and 3 as contain explosives of class III or class IV, the licence prescribed by regulation 38 shall not be issued unless the licensing officer is satisfied that the explosives in respect of which the licence is applied for are of such manufacture as to be fit for importation into the Kingdom.

### 41 Application for licence

Application for the licence prescribed by regulation 38 shall be made to the licensing officer in the Form B in the First Schedule hereto.

### 42 Vessel with explosives

Every vessel having on board explosives as part of the cargo, or more than 45 kilograms of explosives not being part of the cargo, shall be held to be loaded with explosives:

Provided always that this regulation shall not apply to explosives of class VI, division 1, and class VII.

### 43 Vessel loaded with or loading explosives

- (1) No vessel loaded with or in the course of being loaded with or discharging explosives shall, without the permission of the harbour master, come or remain within the limits of a harbour defined by law.
- (2) Such harbour master shall have the power to give such permission subject to such conditions with due regard to safety as he may deem fit.

**44 Gunpowder signal**

Every vessel having on board explosives as described in regulation 42 shall hoist the gunpowder signal at the fore and remain outside the limits of the port.

**45 Master violating regulations**

The master of any vessel who infringes the provisions of either or both of the two last preceding regulations, or who, after notice received from the harbour master to remove his vessel outside the limits of such port, continues to keep such vessel loaded with explosives within such limits, shall be liable to a fine not exceeding \$200.

**46 Declaration by master of vessels**

Directly a vessel loaded with explosives (other than those of class VI, division 1, or class VII) is boarded by the harbour master or any duly appointed boarding officer, the master of such vessel shall sign a declaration in the Form D in the First Schedule hereto, and any master refusing to make such declaration or knowingly making a false declaration under this regulation shall be liable to a fine not exceeding \$20.

**47 Inspection by licensing officer**

The officer receiving such declaration shall, if the explosives or any part thereof are to be landed at the port, forthwith despatch it to the licensing officer who may, should he deem it necessary, board the vessel concerned and satisfy himself by inspection and search that the declaration is in accordance with the facts, and that the explosives are properly packed and labelled in accordance with the provisions of Part V of these Regulations and the master of the vessel shall afford all reasonable facilities for such inspection.

**48 Offence and penalty**

Any master infringing the provisions of the last preceding regulation shall be liable to a fine not exceeding \$20.

**49 Inspection completed**

When the inspection, if any, is over and the requirements of regulation 40 have been complied with, the licensing officer may issue a licence under regulation 38 in respect of such of the explosives as he thinks fit.

**50 Exporting etc., without licence**

Any master of a vessel, consignee or other person who lands or attempts to land at any place in the Kingdom, or removes or attempts to remove from any one place in the Kingdom to any other, or exports or attempts to export any explosives in respect of which a licence is required by these Regulations, without a licence from the licensing officer in the Form C in the First Schedule hereto, or refuses to produce such licence when called upon to do so by any police officer not below the rank of sub-inspector or any officer in charge of a police station shall be liable to a fine not exceeding \$200.

**51 Notice to land, remove etc., explosives to be given**

It shall be lawful for a consignee, possessing a licence from the licensing officer, to land, remove or ship any explosives therein detailed between sunrise and sunset, after giving at least 6 hours notice of his intention to do so to the licensing officer, and to convey them to such place as is in such permit named:

Provided that the regulations regarding conveyance of explosives set forth in Part V of these Regulations are strictly complied with.

**52 Boarding vessel with or without warrant**

It shall be lawful for the licensing officer or any police officer not below the rank of sub-inspector or an officer in charge of a police station with or without warrant to board any vessel within the limits of a port suspected to have explosives on board in contravention of the provisions of the Act or of these Regulations, and to search for the same.

**53 Keeping books**

Every person who shall import, export or remove from place to place any explosive under such licence as is provided for by regulation 38 shall at all times keep books, which shall be open to the inspection of the licensing officer and of any police officer not below the rank of sub-inspector or an officer in charge of a police station, containing an accurate record of all explosives so imported, exported or removed by him; and any such person failing to keep such books or to produce them for inspection as aforesaid when required shall be liable to a fine not exceeding \$100.

**PART VII - SALE, POSSESSION AND PURCHASE****54 Purchasing and selling**

No person shall purchase, and no person unless he be duly authorized under regulation 10 shall sell or have in his possession any explosive other than safety

cartridges except under a permit in that behalf in Form E in the First Schedule hereto:

Provided that no such permit shall be required in respect of any explosive of class VII not exceeding 2.27 kilograms.

### **55 Permit to purchase safety cartridges**

No person shall sell any explosive other than safety cartridges to any person except on production to him by the purchaser of a permit to purchase the same in the Form E in the First Schedule hereto.

### **56 Offence and penalty**

Any person who has in his possession any explosives contrary to the provisions of regulation 54 or sells any explosive contrary to the provisions of regulations 54 or 55 shall be liable to a fine not exceeding \$100 or to imprisonment for a period not exceeding 6 months or to both such fine and imprisonment.

### **57 Permit issued**

Every permit issued in pursuance of this Part of these Regulations shall show —

- (a) the name and address of the person to whom the permit is granted;
- (b) the quantity and nature of the explosive permitted to be sold, purchased, or possessed, as the case may be.

### **58 Permit in force for three months**

Permits for the sale or purchase of explosives shall remain in force for 3 months from the date of issue and no longer.

## **PART VIII - USE<sup>5</sup>**

### **59 “Use” defined**

“Use” means the process of preparing and firing any explosive substance for the purpose of demolition, blasting or seismic survey.

### **60 Shot-firer’s licence**

No person shall use any explosive in Classes I to V inclusive unless specifically licensed in that behalf. The licence shall be termed a Shot-firer’s Licence and shall

be in the form set out in the First Schedule (Form H) hereto and it may be renewed on the first day of January each year on written application to a licensing officer.

### **61 Prerequisites for licence**

A licence shall not be issued to any person unless the licensing officer is satisfied that such person —

- (a) has detailed knowledge of the Explosives Act, and of these Regulations insofar as they relate to the handling, storage, transportation and use of explosives; and
- (b) is competent to use explosives.

### **62 Application for Shot-firer's licence**

Application for the licence prescribed by regulation 61 shall be made to the licensing officer in the form set out in the First Schedule (Form I) hereto.

### **63 Age for licence**

No person under the age of 21 years shall be issued with a Shot-firer's Licence.

### **64 Holder of valid licence permitted to do**

Only a person (hereinafter referred to as the Shot-firer) holding a valid Shot-firer's Licence shall be permitted to —

- (a) draw explosives from any magazine or other store where explosives are licensed to be kept;
- (b) load bore-holes with explosive, or otherwise prepare the explosive, for firing;
- (c) fire the bore-holes, or other explosive preparations by means of —
  - (i) igniting the fuse (where safety fuse and No. 6 detonators are used);
  - (ii) activating the exploder (where electric detonators are used).

### **65 Responsible for security of explosives**

The Shot-firer shall be responsible for the security of the explosives (a) from any magazine to the site; and (b) on the site. He shall ensure that, in both such instances the detonators are packed separately from the explosives and are placed as far away therefrom, consistent with space and security.

**66 Shot-firer's exploder**

The Shot-firer shall use only the regulation Shot-firer's exploder to activate any electrically-operated explosive charge. The cable shall not be finally connected to the exploder until immediately prior to firing.

**67 Red danger flags and notice boards**

The Shot-firer shall be responsible for ensuring that the requisite red danger flags and notice boards are clearly displayed prior to operations being commenced and for ensuring that all persons and animals have been evacuated from the danger area before any explosive charge is fired.

**68 Smoking etc.**

The Shot-firer shall not smoke or use any unprotected light, nor allow any other person to do so, within 8 metres of where any explosive substance is being prepared for firing.

**69 Wood, brass, copper, etc.**

The Shot-firer shall use only wood, brass or copper implements in the preparation of any explosive substance for firing. Only the regulation crimper shall be used to join safety fuse to a detonator.

**70 Checking charges**

The Shot-firer shall be responsible for checking that all charges have been completely fired before allowing other persons or animals to return. The normal time delay between firing and inspection shall be not less than ten minutes.

**71 Licence not transferable**

A Shot-firer's Licence shall not be transferable, provided that where a change of employer takes place, within the licence period, the name of the new employer shall be entered in the space provided on the licence and endorsed by the licensing officer.

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## PART IX - GENERAL

### 72 Forfeiture of licence

Every licence granted under these Regulations shall be liable to be forfeited on breach of any of the conditions subject to which it is granted.

### 73 Entering, inspecting etc.

Any licensing officer, inspector, harbour master, or police officer not below the rank of sub-inspector or an officer in charge of a police station may, with or without warrant, at any time —

- (a) enter, inspect and examine any place, carriage or vessel in which an explosive is being manufactured, preserved, used, sold, transported or imported under a licence granted under the Act or these Regulations, or in which he has reason to believe that an explosive has been or is being manufactured, preserved, used, sold, transported or imported in contravention of the Act or of the Regulations made thereunder;
- (b) search for explosives therein;
- (c) take samples of any explosive found therein on tender of payment of the value thereof; and
- (d) seize, detain, remove and if necessary destroy any explosive found therein.

### 74 Granting new licence

If a person licensed to import an explosive dies or becomes bankrupt or mentally incapable or otherwise disabled, the person carrying on the business of such licensee shall not be liable to any penalty or for forfeiture for acting under the licence during such reasonable time as may be necessary to allow him to make an application to the authority granting the licence for a new licence in his own name during the currency of the unexpired portion of the original licence. Such new licence shall be granted on payment of 25 seniti.

### 75 Licence lost or destroyed

When a licence granted in accordance with these Regulations is lost or accidentally destroyed, a duplicate may be granted to the licensee on payment of the fee set out in the Second Schedule hereto.

**76 Producing licence**

Any person holding a licence, or acting under a licence granted in accordance with these Regulations, shall be bound to produce the same when called upon to do so by any district officer, or any police officer.

**77 Matches exempted**

Matches of all sorts are exempted from the operation of these Regulations with the exception of Part III hereof, relating to the manufacture of explosives and comprising regulations 4, 5 and 6 which shall apply to the manufacture of matches and Part IV regulation 18.

**78 False statement and penalty**

Any person who knowingly makes any false statement in any application required by these Regulations shall be guilty of any offence and shall be liable, in addition to the revocation of any licence which may have been granted, to a fine not exceeding \$50.



**FIRST SCHEDULE**

## FORM A

**LICENCE TO STORE/STORE AND DEAL IN STORE EXPLOSIVES***(Regulation 10)*

..... is hereby licensed to (\*store/store and deal in) explosives not exceeding the amount specified below at his premises in ..... [specify address in full]

Nature of explosive	Amount	Remarks

This licence expires on the .....

Dated at .....this ..... day of .....20 .....

.....  
*Licensing Officer*

NOTE: In the case of a hulk or floating magazine the exact position thereof with reference to two fixed points is to be recorded.

(\* delete as appropriate)

FORM B

**APPLICATION FOR LICENCE TO IMPORT, EXPORT OR REMOVE  
EXPLOSIVES**

*(Regulation 41)*

Licence is requested for the *\*landing* of the undermentioned explosives:  
*\*shipping*  
*\*removal*

Nature of explosive	Amount	From	To	Purchase for which required

Dated at .....this .....day of .....20 .....

.....  
*Signature of Applicant*

(\* delete as appropriate)

**FORM C****LICENCE TO IMPORT, EXPORT OR REMOVE EXPLOSIVES***(Regulation 38)*

\*landing

Licence is hereby given for the \*shipping of the undermentioned explosives:

\*removal

Nature of explosive	Amount	From	To

This licence expires ..... days after the date hereof.

Dated at ..... this ..... day of ..... 20 .....

.....  
*Licensing Officer*

NOTE: At least 6 hours notice to be given to the licensing officer before landing or removal takes place.

(\* delete as appropriate)

FORM D

**DECLARATION TO BE SIGNED BY ALL MASTERS OF VESSELS ARRIVING AT A PORT WITH EXPLOSIVES AS PART OF THEIR CARGO, OR MORE THAN 22.7 KG. NOT BEING PART OF THEIR CARGO**

*(Regulation 46)*

I .....Master of the vessel ..... arrived at the port of ..... do hereby declare that the following is a true and accurate statement of the explosives on board as required by the Explosives Act:

Total		To be carried past the port			To be landed at the port	
Description	No. of packages	Weight	No. of packages	Weight	No. of packages	Weight

Dated at .....this .....day of .....20 .....

.....  
*Master of the Vessel*

## FORM E

**PERMIT TO SELL/PURCHASE/POSSESS EXPLOSIVES***(Regulation 54)*

\*Sell

Permit to

\*Purchase

Explosives

\*Possess

..... of ..... is hereby permitted to —  
 [Specify name in full] [specify address in full]

\*sell/possess/purchase ..... [explosive]

\*within three months from this date, \*at his premises at .....

of the kind and amount specified below:

Description of explosives	Amount	Remarks

Dated at .....this ..... day of .....20 .....

.....  
*Police Officer*

(\* delete as appropriate) (When possession is permitted the words “within three months from this date” are to be deleted. When sale or purchase is permitted the words “at his premises at .....” are to be deleted.)

FORM F

APPLICATION FOR STOREKEEPER’S (EXPLOSIVES) LICENCE

(Regulation 9(7))

Full name ..... Age .....

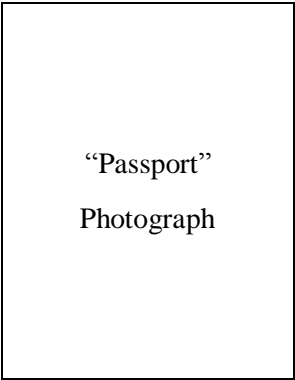
Postal Address ..... Occupation .....

Employers name .....

and Address: .....

.....

.....



How long have you been employed by the above? .....yrs./mth.

Have you a thorough knowledge of the Explosives Act, and of the Explosives Regulations, as amended, insofar as they relate to the handling, storage, transportation and use of explosives?

Yes/No

Reason for application .....

Previous experience in .....

explosives storekeeping .....

(full details) .....

Competency Reference .....

Character Reference .....

Date .....

.....

Signature of Applicant

NOTE: It is an offence to furnish false information on any application.

## FORM G

**STOREKEEPER'S (EXPLOSIVES) LICENCE***(Regulation 9(7))*

Full Name ..... Age .....

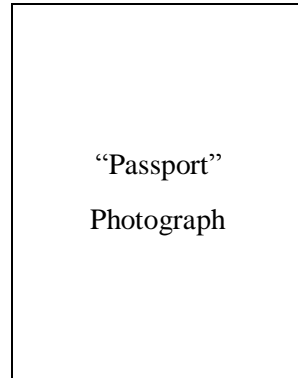
Postal Address: .....

Occupation: .....

Employed by (1).....

(2).....

(3).....



is hereby licensed to be in charge of an Explosives Magazine in accordance with regulation 9(7) of the Explosives Regulations as amended:

Provided that he shall —

1. (a) Have a detailed knowledge of the Explosives Act, and of the Explosives Regulations, as amended, insofar as they relate to the handling, storage, transportation and use of explosives;
- (b) Be competent to receive and issue explosives;
2. Personally be responsible for the safe custody of the keys to the explosives magazine;
3. Personally issue to any authorised person in possession of a valid Shot-firer's Licence, such explosives as he may request in writing;
4. Personally receive from any authorised person in possession of a valid Shot-firer's Licence, or direct from any vessel, such explosives as are required to be stored in the magazine;
5. Personally ensure that explosives and detonators are stored in separate compartments of the magazine;
6. Personally ensure that gunpowder, blasting powder, chlorate mixtures and nitrate mixtures are NOT stored in the same magazine as explosives intended to be initiated by a detonator;
7. Personally check the exact number of sticks of explosives issued;

- 8. Maintain only one broken case of explosive at any one time and issue the oldest for use first;
- 9. Personally maintain an accurate record of all receipts and issues;
- 10. Not smoke or use any unprotected light, nor allow any other person to do so, within 8 metres of the magazine;
- 11. Maintain the magazine in a neat and tidy manner and ensure no scraps or broken portions are left on the floor of the magazine;
- 12. Not give or transfer this licence to any other person and, when a change of employment takes place enter details of the new employer in the space provided and have the entry endorsed by a licensing officer.

This licence is valid until 31st December, 20 .....

Date .....

.....

*Licensing Officer*



FORM H

**SHOT-FIRER'S LICENCE**

*(Regulation 60)*

Full Name .....Age .....

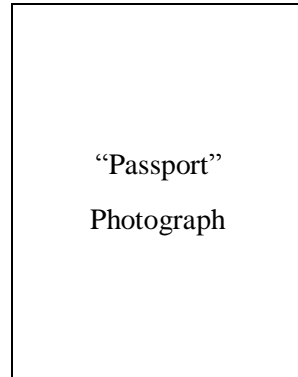
Postal Address: .....

Occupation: .....

Employed by .....

.....

.....



is hereby licensed to use explosives of Classes ..... in accordance with regulations 60 and 3 of the Explosives Regulations, as amended whilst employed as above:

Provided that he shall —

1. (a) have a detailed knowledge of the Explosives Act, and of the Explosives Regulations, as amended, insofar as they related to the handling, storage, transportation and use of explosives;

(b) be competent to use explosives.

FORM I

APPLICATION FOR A SHOT-FIRER'S LICENCE

(Regulation 62)

Full Name ..... Age .....[years].

Postal Address .....Occupation .....

Employers name .....

and Address: .....

.....

How long have you been employed by the above employer?

..... years

Have you a thorough knowledge of the Explosives Act, and of the Explosives Regulations, as amended, insofar as they relate to the handling, storage, transportation and use of explosives?

\*YES/NO

Reason for application .....

.....

Previous experience in use of explosives (full details, with date if possible).....

.....

Competency Reference .....

.....

Date .....

.....

Signature of Applicant

(\* delete as appropriate)

NOTE: It is an offence to furnish false information on any application.

**SECOND SCHEDULE****FEES LEVIABLE UNDER THE REGULATIONS***(Regulation 21)*

- |     |   |         |
|-----|---|---------|
| (a) | For every licence for a hulk or floating magazine for explosives, yearly      | \$40.00 |
| (b) | For every licence for a store or magazine for explosives                      | \$6.00  |
| (c) | For every licence for a shop to store and deal in explosives, yearly          | \$8.00  |
| (d) | For every licence for a shop to store and deal in fireworks only, yearly      | \$2.00  |
| (e) | For every permit to import, export or remove explosives                       | \$0.40  |
| (f) | For every licence to store explosives temporarily under regulation 19         | \$0.40  |
| (g) | For every permit to purchase, sell or possess explosives                      | \$0.40  |
| (h) | For the issue of a duplicate licence under regulation 62                      | \$0.40  |
| (i) | Fees for the storage of explosives in Government magazines or premises:       |         |
|     | (1) For each package containing 22.7 Kg. and under, per week or part thereof. | \$0.10  |
|     | (2) For each package containing over 22.7 Kg. per week or part thereof.       | \$0.05  |

Provided that the Prime Minister may, at his discretion, waive the fees required under (i)(1) and (2) hereof.

## THIRD SCHEDULE

## TABLE OF DISTANCES

*(Regulation 9)*

Allowable amount of explosives in magazine or other storage building	(a) Any other storage belonging to same occupier or by mutual consent of respective occupiers; high way; canal; pier; open place of resort; mineral or private railway	(b) Any other magazine other than as provided in (a) furnace, boiler, kiln, engine or machine workshop, shop	(c) Dwelling house with occupier's consent in writing	(d) Dwelling house without occupier's consent; church; school; other building where persons are accustomed to assemble
Kg	Distances (in metres) to be kept clear from			
227	45.75	45.75	45.75	91.50
454	45.75	68.62	68.62	137.25
908	45.75	91.50	91.50	183.00
1362	46.66	92.41	100.65	219.60
1816	47.58	93.33	109.80	256.20
2270	47.58	95.16	118.95	292.80
2724	48.49	96.07	128.10	333.97
3178	48.49	96.99	132.67	370.57
3632	49.41	98.82	141.82	407.17
4086	49.41	99.73	150.97	443.77
4540	50.32	100.65	160.12	480.37
5448	51.24	102.48	173.85	539.85
6356	52.15	104.31	187.57	599.32
7264	53.07	106.14	201.30	658.80
8172	53.98	107.97	215.02	718.27
9080	54.90	109.80	228.75	777.75
11350	57.34	114.37	263.21	937.87
13620	59.47	118.95	297.37	1098.00
15890	61.91	123.52	331.84	1245.31
18160	64.05	128.10	366.00	1395.37
20430	66.49	132.67	400.46	1544.21
22700	68.62	137.25	434.62	1692.75
24970	71.06	141.82	469.09	1841.59
27240	73.20	146.40	503.25	1990.12
29510	75.64	150.97	537.71	2138.96
31780	77.77	155.55	571.87	2287.50
34050	80.21	160.12	606.34	2447.62

Allowable amount of explosives in magazine or other storage building	(a) Any other storage belonging to same occupier or by mutual consent of respective occupiers; high way; canal; pier; open place of resort; mineral or private railway	(b) Any other magazine other than as provided in (a) furnace, boiler, kiln, engine or machine workshop, shop	(c) Dwelling house with occupier's consent in writing	(d) Dwelling house without occupier's consent; church; school; other building where persons are accustomed to assemble
Kg	Distances (in metres) to be kept clear from			
36320	82.35	164.70	640.50	2607.75
38590	84.79	169.27	674.96	2756.59
40860	86.92	173.85	709.12	2905.12
43130	89.36	178.42	743.59	3081.41
45400	91.50	183.00	777.75	3202.50
Where additional protection either by natural features of the ground or by good and substantial mounds or barricades of earth of adequate height is provided the distances as set out in the Table may be reduced to one half. Provided that when a natural hill so intervenes as to afford a degree of protection which in the opinion of a licensing officer justifies a further reduction the distance may be reduced to one quarter.				

**ENDNOTES**

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<sup>1</sup> 1988 Revised Edition Cap. 40 — GS 1/73, GS 115/74, G 297/75

<sup>2</sup> Cap 20.03

<sup>3</sup> Amended by GS 115/74

<sup>4</sup> Cap 46.06

<sup>5</sup> Inserted by GS 115/74