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THE OCCUPATIONAL SAFETY AND HEALTH ACT,
(CAP 297)

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REGULATIONS
—

(Made under Section 109)

OCCUPATIONAL SAFETY AND HEALTH (VESSELS UNDER PRESSURE) REGULATIONS, 2016

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**THE OCCUPATIONAL SAFETY AND HEALTH ACT,
(CAP 297)**

REGULATIONS

(Made under Section 109)

OCCUPATIONAL SAFETY AND HEALTH (VESSELS
UNDER PRESSURE) REGULATIONS, 2016

- Citation 1. These Regulations may be cited as the vessel under pressure regulations, 2016.
- Interpretation 2. In these Regulations, unless the content otherwise requires-
- Cap.297 “Act” means the Occupational Health and Safety Act;
“air receiver” means”
- (a) any vessel, other than pipe or coil, or an accessory, fitting or part of a compressor, for containing compressed air and connected to an compressing plant;
or
 - (b) any fixed vessel or tank for containing compressed air or compressed exhaust gases and used for the purpose of starting an internal combustion engine;
- “approved inspection authority” means an inspection authority approved by the Chief Inspector with respect to a particular service;
- “Boiler” means any apparatus to convert continuously any liquid into steam, vapour or gas at a pressure higher than that due to the atmosphere and where the heat is derived from a source other than steam or the ambient temperature of the atmosphere and includes any super heater or economizer which is an integral part of a boiler;
- “authorized plant inspector” means any person whether an officer of the Government or not who is authorized by the Chief

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- Inspector to carry out examination and tests and issue a certificate as may be required;
- “Chief Inspector” means the chief inspector of factories and other work- places appointed under section 4 of the Act and who shall be the Chief Executive of Occupational Safety and Health Authority appointed under the Executive Agency Act, and includes the Acting Chief Inspector;
- “design pressure” means the pressure used in the design formulae to determine the dimensions of the component parts of a vessel under pressure;
- “Economizer” means any part of a feed-pipe that is wholly or partially exposed to the action of flue gases for the purpose of recovery of waste heat;
- “feed-pipe” means any pipe or connected fitting wholly or partly under pressure through which feed water passes directly to a boiler and which does not form an integral part thereof;
- “gauge pressure” means the pressure in excess of that due to the atmospheric pressure;
- “Inspector” means an occupational safety and health officer in the service of the Government or any other person appointed by the Chief Inspector to be an Inspector for the purpose of the Act;
- “maximum permissible pressure” means the pressure specified in the relevant certificate or the pressure specified in the report of the last examination;
- “maximum permissible operating pressure” means the maximum gauge pressure at which a vessel under pressure may be operated;
- “modification” means any change from the original design criterion of the vessel under pressure and which has a corresponding meaning;
- “pressure vessel” means any vessel of which the interior or jacket is under pressure or in which a cushion of gas or vapour can form above the liquid at a pressure in excess of that of atmosphere;
- “repair” means a repair to any part subjected to pressure from a vessel under pressure that require the application of heat or welding, or the replacement of more than 10% of expanded tubes in a boiler or pressure vessel at any one time;
- “safe working pressure” means the pressure specified in the relevant certificate under this Act or the pressure which is specified in the report of the last examination;
- “steam boiler” means any closed vessel in which for any purpose

steam is generated under pressure greater than atmospheric pressure, and includes hot water boiler and any economizer used to heat water being fed to any such vessel, and super-heater used for heating steam;

"steam container" means any vessel other than a steam pipe or coil with a permanent outlet to the atmosphere or into a space where pressure does to the atmosphere or into a space where pressure does not exceed atmospheric pressure and through which steam is passed at atmospheric pressure or at approximately that pressure for the purpose of heating, boiling, drying, evaporating or other similar purposes;

"steam receiver" means any vessel or apparatus, other than steam under pressure greater than atmospheric pressure;

"super heater" means a device used to convert saturated steam into dry steam used in steam engine such as steam reforming;

vessel under pressure" means a vessel which operates under pressure and includes a boiler, pressure vessel, pressurized system or portable gas container.

Scope of
Application

3. These Regulations shall apply to all uses of pressure vessels under pressure, Design, construction, manufacture, modification and repair provided that regulation 9 shall not apply to a boiler, pressure vessel or portable gas container in use prior to 2016 and which was designed, constructed and manufactured in accordance with regulations in force at that time.

Duties of
manufacturers

4. The manufacturer shall have the duty to-

- (a) ensure that all equipment designed and manufactured for use shall be conformity assessed and subjected to recognized standards;
- (b) ensure that the pressure equipment as manufactured, modified, inspected, tested or repaired is safe and without risks to health when properly used;
- (c) issue a certificate of manufacture for all pressure equipment supplied, with a verification signature by an approved inspection authority when so required;
- (d) comply with any other duty assigned to the manufacturer in these Regulations; and
- (e) advise the chief inspector after any determination of pressure equipment in use, that has a latent defect in writing forthwith thereof and of measures being taken to

correct the defect

Duties of importers and suppliers

- 5.-(1) Importers and suppliers shall ensure that pressure equipment sold complies with the requirements of these Regulations
- (2) The importer shall assume the liability of the manufacturer in terms of these Regulations

Duties of users

- 6.-(1) The user shall ensure that the pressure equipment is operated and maintained within its design and operating parameters.
- (2) The user shall-
- (a) provide the manufacturer, repairer or modifier with comprehensive information of the operating or intended operating conditions of the pressure equipment, including the characteristics of the fluid and operating parameters of other connected pressure equipment, where reasonably practicable;
 - (b) ensure pressure equipment has a certificate, issued by the manufacturer, including a verification signature by an approved inspection authority when required, which certifies that the pressure equipment has been designed and manufactured in accordance with the relevant health, safety and environmental standards;
 - (c) ensure pressure equipment has a certificate issued by the repairer or modifier, including a verification signature by an approved inspection authority when required, which certifies that the pressure equipment has been modified or repaired in accordance with the relevant health, safety and environmental standards;
 - (d) ensure that pressure equipment has a certificate issued by an approved inspection authority before commissioning, where applicable; and
 - (e) ensure that a gas system has a valid certificate issued by an authorised person.

Design, Construction and Manufacture

- 7.-(1) Subject to the provisions of sub-regulation (2), no user shall use, require or permit the use of any vessel under pressure unless-
- (a) it has been designed and constructed in accordance with local and/or international recognized standards; or
 - (b) the user is in possession of a certificate of manufacture issued by the manufacturer in which it is certified that

the boiler, pressure vessel or portable gas container has been designed, constructed and tested in every respect in accordance with the standard contemplated in sub-regulation 4(1)(a):

Provided that such a certificate shall be countersigned by the approved inspection authority as evidence that the design of such a boiler pressure vessel or portable gas container has been verified and that it has been constructed and tested under their supervision in accordance with the said standard.

(2) The certificate required by sub-regulation (1)(b) in the case of a pressure vessel or portable gas container may refer to more than one pressure vessel or portable gas container: Provided that each pressure vessel or portable gas container has the same design pressure and dimensions, and that the product of the design pressure in Pascals and the volume in cubic meters of that vessel does not exceed the figure 500,000.

Manufactu-
rer's Data
Plate

8.-(1) Every user of a boiler or pressure vessel shall cause a manufacturer's plate with the following minimum particulars to be securely fixed in a conspicuous place to the shell of every such a boiler or pressure vessel:

- (a) name of manufacturer;
- (b) country of origin;
- (c) year of manufacture;
- (d) manufacturer's serial number;
- (e) name, number and date of the standard of design;
- (f) design gauge pressure in Pascals/Bars/PSI; (design pressure);
- (g) maximum permissible operating pressure in Pascals/Bars/PSI;
- (h) operating temperature;
- (i) evaporation capacity in Tons/hr; and
- (j) mark of an approved inspection authority.

(2) Sub-regulation (1) (h) and (i) do not apply to air receivers.

(3) No person shall remove such a manufacturer's plate or willfully damage or alter the particulars stamped thereon.

Commission
and
Registration
of a pressure
vessel

9.-(1) No user shall commission or use a pressure vessel unless the user is in possession of a certificate of registration issued in terms of sub-regulation (2), for that pressure vessel provided that a pressure vessel registered -

- (a) with authority prior to 2016, shall be required to be re-

registered in terms of this Regulations;

- (b) after 2016 shall, on change of ownership be required to be registered.

(2) Any user who wishes to use a boiler shall apply to the Chief Inspector for registration of that boiler on a form similar to First Schedule in two weeks prior to such use:

Provided that this sub-regulation shall not apply in respect of the re-erection of a boiler on the same premises.

(3) On receipt of an application contemplated in sub-regulation (2), the Chief Inspector shall issue a certificate of registration in the form of Part C of First Schedule in respect of that boiler, subject to such conditions as may be specified on the certificate and after verification by the inspector and upon payment of the boiler registration fee equivalent to fifty percent of boiler inspection fee.

(4) A user of a boiler for which a certificate of registration has been issued in terms of sub-regulation (3) or a certificates issued by the Authority prior to 2016, shall cause the certificate of registration to be made available for inspection by an inspector or on request by an approved inspection authority.

(5) The user shall within seven days after the discovery that the certificate of registration has been lost, defaced or destroyed, or any such an occurrence, apply to the Chief Inspector in the form similar to part A of the First Schedule for the issue of a duplicate certificate upon payment of ten percent of boiler inspection fee. On receipt of such application the Chief Inspector shall issue the duplicate certificate on satisfaction that the original certificate was lost, defaced or destroyed.

(6) Any user of a boiler shall forthwith notify the Chief Inspector in writing when :

- (a) such boiler is no longer in use;
- (b) the right of control over the use of the boiler is transferred by the user to any other user, in which case the user shall also furnish the Chief Inspector with the name and address of such new user; or
- (c) the user moves the boiler to premises other than the premises reflected on its certificate of registration.

(7) A certificate of registration issued in terms of sub-regulation (3) shall lapse-

- (a) when it is cancelled by an inspector;
- (b) upon the transfer of the right of control over the use of the boiler to another use; or

(c) when a boiler is removed from the premises reflected on its certificate of registration.

(8) This regulation shall not apply to portable gas container having capacity of less than 50 kilograms and not intended for fixed installation.

Alterations
and
renewals to
steampipes

10. Before the owner of any boiler registered under regulation 9 (3) makes any structural alteration, addition or renewal in or to any steam-pipe attached to the boiler, he shall transmit to the Chief Inspector a report in writing of his intention and shall send therewith such particulars of the proposed alteration, addition or renewal as may be prescribed

Steam
Boiler

11.-(1) Every steam boiler and all its fittings and attachments shall be of good construction, sound material, and adequate strength and free from patent defect and shall be properly maintained.

(2) Every steam boiler shall have fitted to it—

(a) a suitable safety valve, separate from and incapable of being isolated by any stop-valve which shall be so adjusted to prevent the boiler being worked at a pressure greater than the maximum permissible working pressure and shall be fixed directly to, or as close as practicable to, the boiler;

(b) an efficient stop-valve connecting the boiler to the steam pipe;

(c) an accurate steam pressure gauge connected to the steam space and readily visible to the boiler attendant, which shall indicate the steam pressure in the boiler in pounds per square inch or kilo- gram per square centimeter or in bar, and have marked on it, in a distinctive colour the maximum permissible working pressure of the boiler;

(d) one or two water gauges of transparent material or other type approved by the Chief Inspector to show the water level in the boiler, and, if the gauge is of a glass tubular type and the working pressure in the boiler exceeds forty pounds per square inch or three kilograms per square centimeter, the gauge shall be provided with an efficient guard which shall not obstruct the reading of the gauge;

(e) a means of attaching a test pressure gauge;

(f) an efficient fusible plug and suitable means of giving

low and higher water alarm:

Provided that, paragraph (b) shall not apply in respect of economizers and paragraphs (c), (d), (e), (f) and (g) shall not apply with respect to either economizers or super heaters.

(3) For the purpose of sub-regulation (2), a lever valve shall not be deemed an efficient safety valve unless the weight is securely locked on the lever in the correct position.

(4) Every steam boiler attendant shall be properly instructed in the use of the boiler plant of which he is in charge and shall pass the boiler attendant test set by the Authority or any other recognized institution.

(5) No person shall enter or be in any steam boiler, which is one of a range of two or more steam boilers unless –

(a) all inlets through which steam or hot water might otherwise enter the boiler from any other part of the range are disconnected from that part;

(b) all valves controlling such entry are closed and securely locked and, where the boiler has a blow down pipe in common with one or more other boilers or delivering into a common blow down sump, the blow down valve on each boiler is so constructed that it can only be opened by a key which is used for that set of blow down valves and is the only one in use.

(6) No work shall be allowed in any boiler furnace or boiler fuel unless it has been sufficiently cooled by ventilation or otherwise to make the work safe for persons employed there.

Examination
of steam
boiler and
fittings

12.-(1) Every steam boiler and all its fittings and attachments shall be thoroughly examined by an authorized plant inspector at least once in every period of twelve months and also after an extensive repair:

Provided that, the authorized plant inspector may specify in writing a period exceeding twelve months but not exceeding sixteen months within which the next examination is to be made.

(2) Any examination under sub-regulation (1) shall consist of an examination of the boiler when cold and the interior and exterior have been prepared in the prescribed manner, except in the case of an examination of an economizer or super heater, when under normal steam pressure.

(3) The examination under steam pressure shall be made as soon as possible after the examination of the boiler when cold and the authorized plant inspector shall see that the safety valve is so adjusted and set to prevent the boiler being worked at a pressure

greater than the maximum permissible working pressure'.

(4) An authorized plant inspector shall within; fourteen days of completion of the examination prepare and sign a report in respect of the result for each examination.

(5) The report under sub regulation (4) shall be made in the prescribed form containing particulars of the maximum permissible working pressure, and such terms and conditions to be observed by the owner of the workplace.

(6) No person shall take into use a new steam boiler unless there has been obtained from the authorized plant inspector a certificate specifying the maximum permissible working pressure of the boiler, and stating the nature of the testing which the boiler and fittings have been subjected to as per regulation 11

(7) The certificate mentioned under sub-regulation (6) shall be available for inspection, and the boiler shall be so marked to enable it to be identified as the boiler to which the certificate refers.

(8) Where the report of an examination under this section specifies conditions for securing the safe working of a steam boiler, the boiler shall not be used except in accordance with those conditions.

(9) Any person who requires an examination of a steam boiler shall notify the Chief Inspector who shall instruct the authorized plant inspector to carry out the examination and the necessary tests upon payment of prescribed fee.

Steam
receivers
and steam
containers

13.-(1) Every steam receiver and all its fittings shall be of good construction, sound material, adequate strength, free from patent defect, and shall be properly maintained.

(2) Every steam receiver, not so constructed and maintained as to withstand safety, with the maximum permissible working pressure of the boiler or the maximum pressure which can be obtained, in the pipe connecting the receiver with any source of supply shall be fitted with -

- (a) an efficient reducing valve or other suitable automatic device to prevent the safe working pressure of the receiver being exceeded;
- (b) an efficient safety valve so adjusted as to permit the steam to escape as soon as the safe working pressure is exceeded; or
- (c) a device for cutting off automatically the supply of steam as soon as the safe working pressure is exceeded;
- (d) an efficient steam pressure gauge, which shall

accurately indicate the steam pressure in the receiver in pounds per square inch or kilograms per square centimeter or bar;

- (e) an efficient stop-valve;
- (f) where more than one steam receiver is in use in a place bearing a distinctive number from which it can be recognized, the safety valve and steam pressure gauge either on the steam receiver or on the supply pipe between the receiver and the reducing valve or other efficient appliance to prevent the safe working pressure being exceeded.

(3) For the purpose of the provisions of sub-regulation (2)-

- (a) other than paragraph (f) any set of receivers supplied with steam through a single feed pipe and forming part of a single machine may be treated as one receiver;
- (b) other than Paragraph (c) and (f) any other set of receivers supplied with steam receiver a single feed pipe, may be treated as one receiver.

(4) The provisions of sub regulation (3) shall not apply to any such set of receivers unless the reducing valve or other appliance to prevent the safe working pressure being exceeded is fitted on the single feed pipe.

(5) Every steam receiver and all its fittings shall be thoroughly examined by an authorized plant inspector at least once in every period of twelve months so far as the construction of the receiver permits.

(6) The report of the result of every examination shall -

- (a) be made in a prescribed form containing the prescribed particulars, including particulars of the safe working pressure;
- (b) be entered in or attached to the register;
- (c) be signed by the authorized plant inspector

(7) No steam receiver which has Previously been used shall be taken into use for the first time in a workplace unless it has been examined and reported in accordance with sub-regulations (5) and (6).

(8) No new steam receivers shall be taken into use unless -

- (a) there has been obtained from the manufacturer of the receiver or from the authorized Plant Inspector a certificate specifying the safe working pressure and stating the nature of the tests to which the receiver and its fittings have been subjected to; and
- (b) the receiver is so marked to enable it to be identified as

the receiver to which the certificate refers.

(9) Any person who, requires an examination of a steam receiver and the certificate referred to in subsection (8) from an authorized plant inspector shall notify the Chief Inspector and on payment by him of the prescribed fee, the Chief Inspector shall instruct the authorized plant inspector to carry out the examination and necessary tests.

(10) Every steam container shall be properly maintained so as to ensure that the outlet is at all times kept open and free from obstruction.

Air receivers

14.-(1) Every air receiver shall -

- (a) have distinctly marked on it the safe working pressure;
- (b) in the case of a receiver connected with an air compressor, either be so constructed as to withstand safety with the maximum pressure which can be obtained in the compressor, or be fitted with an efficient reducing valve or other efficient device to prevent the safe working pressure of the receiver being exceeded;-
- (c) be fitted with an efficient safety valve adjusted to allow air to escape as soon as safe working pressure is exceeded;
- (d) be fitted with an accurate pressure gauge indicating the pressure in the receiver in pound per square inch or kilogram per square centimeter;
- (e) be provided with a suitable manhole, hand hole, or other means, which will allow the interior to be thoroughly cleaned;
- (f) where more than one receiver is in use in the workplace bear a distinctive number by which it can be recognized.

(2) For the purpose of the provisions of sub-regulation (1) relating to safety valves and pressure gauges, any set of air receivers supplied with air through a single feed pipe may be treated as one receiver:

Provided that, in a case where an efficient reducing valve or other suitable device to prevent the safe working pressure being exceeded is required to be fitted this subsection shall not apply unless the valve or appliance is fitted, on the single feed pipe.

(3) Every air receiver and its fittings shall -

- (a) be of good mechanical construction and be properly maintained;
- (b) be thoroughly cleaned internally and examined at least once in every period of twelve months.

- (4) In the case of a receiver of solid drawn construction -
 - (a) the authorized plant inspector may specify in writing a period exceeding twelve months but not exceeding twenty-four months within which the next examination has to be made;
 - (b) if it is so constructed that the internal surface cannot be thoroughly examined, an efficient hydraulic test of the receiver shall be carried out in lieu of the internal examination.
- (5) Every such examination and test shall be carried out by the authorized plant inspector and the report of the result of every such examination and test shall –
 - (a) be made in the prescribed form containing the prescribed particulars, including particulars of the safe working pressure;
 - (b) be entered in or attached to the register; and
 - (c) be signed by the authorized plant inspector.
- (6) Any occupier of workplace who requires an examination of an air receiver to be carried out by an approved plant inspector shall notify the Chief Inspector who shall instruct the authorized plant inspector to carry out the examination upon payment of prescribed fee.
- (7) The provisions of this section shall apply to any air receiver forming part of a machine plant or equipment on a ship or on a locomotive or other rolling stock used on any railway.

Powers of entry

15. An Inspector shall, for the purpose of inspecting or examining a boiler or any steam-pipe attached thereto or of seeing that any provision of this regulation has been or is being observed, at all reasonable times enter any place or building in which he has reason to believe that a boiler is in use.

Penalties for illegal use of boiler

16. Any owner of a boiler who, in any case in which a certificate is required for the uses of the boiler under this regulation, uses the boiler either without any such certificate or at a higher pressure than that allowed thereby, shall be punishable with fine which may extend to five hundred thousand shillings, and in the case of a continuing offence, with an additional fine which may extend to one hundred thousand shillings for each day after the first day in regard to which he is convicted of having persisted in the offence

Transportable

17.-(1) No user shall use, require or permit a transportable

e gas
containers

gas container to be used, and no user shall fill, place in service, handle, modify, repair, inspect or test any transportable gas container, other than in compliance with the relevant standards.

(2) The inspection and test referred to in subregulation (1) shall be carried out by an approved testing Authority at least once per year.

Fire
extingui-
shers

18.-(1) No user shall use, require or permit the use of a fire extinguisher unless designed, constructed, filled, recharged, reconditioned, modified, repaired, inspected or tested in accordance with the relevant Fire and Rescue Force Act.

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(2) No person shall fill, recharge, recondition, modify, repair, inspect or test any fire extinguisher unless such person is an authorised person employed by a permit holder:

Provided that a permit is issued by an organisation approved by the chief inspector.

(1) Applications for approval shall include proof of accreditation as prescribed in sub regulation (1), and shall include full contact details and address information.

(2) The chief inspector's approval shall be subject to a valid accreditation certificate issued by the accreditation authority: Provided that the chief inspector may set additional requirements before granting approval.

Appurtena-
nces

19.-(1) No user shall require or permit a vessel under pressure to be used unless it is provided with all the appurtenances as required by the health and safety standard used in the design, construction and manufacture of such a vessel under pressure: Provided that alternative appurtenances other than those required by the standard shall only be fitted with the written approval of the approved inspection authority.

(2) In the absence of such a requirement in the health and safety standard used in the design, construction and manufacture of such a vessel under pressure, appurtenances shall be provided as required by the approved inspection authority and those appurtenances shall be so selected, arranged and installed as to be safe for the particular purpose for which the vessel under pressure is to be used.

(3) Every user of a boiler or pressure vessel shall ensure that

the boiler or pressure vessel in use is fitted with at least one pressure gauge and the maximum permissible operating pressure shall be clearly marked with a red line on the dial of the pressure gauge.

(4) Every user of a boiler or pressure vessel shall ensure that the boiler or pressure vessel in use is fitted with at least one safety valve and such a safety valve shall be kept locked, sealed or otherwise rendered inaccessible to any unauthorized person:

Provided that the number and capacity of the safety valve shall be to the requirements of the design standard for the boiler or pressure vessel as required under sub-regulation (2).

Automatic
Controls and
Indicators

20. Every user shall ensure that the automatic controls and indicators of a boiler, pressure vessel or pressurized system are arranged, installed, maintained and operated in accordance with the provisions of the health and safety standard used in the design and manufacture of the boiler, pressure vessel or pressurized system:

Provided that in the absence of such provisions, where automatic controls and indicators are installed, they shall be selected, arranged and installed subject to the written approval of an approved inspection authority.

Access

21. The user shall cause every boiler, pressure vessel or pressurized system to be erected in such a manner that access to and exit from any chamber, flue manhole, inspection opening, control or appurtenance is safe and unobstructed.

Door
Interlocks

22. Any user of a pressure vessel or pressurized system shall cause such vessel or system which for operational purpose is equipped with removable or hinged door to be provided with an interlock or other effective means for preventing –

- (a) arise of pressure inside the pressure vessel or pressurized system before the removal of hinged door is in the fully closed and locked position, and
- (b) the release of the removable or hinged door from the locked and closed position before the pressure inside the pressure vessel or pressurized system has been reduced to atmospheric pressure

Record
Keeping

23. Any user of a vessel under pressure shall keep on his premises a record which shall be open for inspection by an inspector in which the results of inspections tests, modifications and repairs shall be recorded, dated and signed by the competent person.

Modification and Repair

24.-(1) Any person who intends to modify or repair a boiler, pressure vessel or portable gas container, shall be accredited by the Chief Inspector and shall cause such modification or repair to be carried out under supervision of an approved inspection authority.

(2) Any modifier or repairer carrying out any modification or repair, as contemplated in sub-regulation (1) shall issue a certificate in which the extend of the modification or repair is described and certified that such work is in accordance with the health and safety standards:

Provided that such certification shall be as evidence that the design of such modification or repair has been verified and tested under the supervision in accordance with the said health and safety standard.

Maintenance

25.-(1) No user shall use, cause or permit a vessel under pressure or gas fuel system, including all automatic controls, indicators and appurtenances, to be used unless it is at all times maintained in a safe working condition and the efficiency thereof is proved by regular testing.

(2) No user shall use or cause or permit a vessel under pressure to be used unless it is kept clean and free from any:

- (a) Carbonized oil or other inflammable material which may ignite under working conditions;
- (b) Material which may cause corrosion; or
- (c) Material which is liable to chemical reaction which may cause an uncontrolled rise in pressure.

Revocation of certificate

26. The Chief Inspector may at any time withdraw or revoke any certificate:

- (a) if there is reason to believe that the certificate has been fraudulently obtained or has been granted erroneously or without sufficient examination;
- (b) if the boiler in respect of which it has been granted has sustained damage or has ceased to be in good condition;
- (c) if the pressure vessel is in charge of a person not holding the certificate required by such regulation;
- (d) where no such regulation have been made, if the boiler is in charge of a person who is not, having regard to the condition of the boiler in the opinion of the Chief Inspector competent to have charge thereof:

Provided that where the Chief Inspector withdraws or

revokes a certificate on the ground specified in clause (d), he shall communicate to the owner of the boiler his reasons in writing for the withdrawal or revocation and the order shall not take effect until the expiry of thirty days from the receipt of such communication.

Compoundi-
ng Offences

27. Any person who contravenes or fails to comply with any of the provisions of regulations shall be compounded to a fine of one million shillings.

FIRST SCHEDULE

(Made under Regulation 9(2))

OCCUPATIONAL SAFETY AND HEALTH AUTHORITY (OSHA)

REGISTRATION OF PRESSURE VESSEL

A: APPLICATION FOR REGISTRATION OF PRESSURE VESSEL/DUBLICATE CERTIFICATE

To: Chief Inspector
Occupational Safety and Health Authority
P.O.BOX 519
DAR ES SALAAM

From
.....
.....
.....

Tel.....

Fax.....

E-mail.....

I (user)(legal person).....hereby apply for (please tick () where appropriate,()registration,()re-registration or ()duplicate registration certificate of a , particulars of which are reflected in Part B below.

.....
Signature of applicant

.....
Date

.....
Name of applicant (in block letters)

.....
Designation of Applicant

B: PARTICULARS OF PRESSURE VESSEL

- 1. Physical address of installation.....
- 2. Type of Pressure Vessel.....
- 3. Name of Manufacturer.....
- 4. Country of origin.....

Occupational Safety and Health (Vessels under Pressure)

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5. Year of Manufacture.....
6. Manufacturers Serial Number.....
7. Name, number, and date of the standard of design.....
8. Design gauge pressure in Pascals/Bars/PSI.....

9. Maximum permissible operating pressure in Pascal/Bar/PSI.....
10. Operating temperature.....
11. Source of energy (oil, coal, gas, electricity, etc).....
12. Steaming capacity of boiler.....kg of steam per hour from and at 100c
13. Name of approved inspection Authority (during manufacture).....
14. Copy of manufacturer's certificate shall be attached.....
15. Copy of approved inspection authority's commissioning report shall be attached

FOR OFFICIAL USE ONLY

C: PRESSURE VESSEL REGISTRATION CERTIFICATE

The pressure vessure of which the particulars appear above in Part B has this day..... been registered with the official number Permission is hereby granted to use the pressure vessel at a maximum permissible operating pressure of.....Pascals/Bar/PSI.....

Signature of Inspector

Official Stamp

ISSUE OF DUPLICATE BOILER REGISTRATION CERTIFICATE

Revenue stamps for Duplicate certificate

Date.....

.....
Signature of Inspector

Consult regulation 5(3) for fee payable for a duplicate boiler registration certificate

SECOND SCHEDULE

(Made under Regulation 12)

REPORT OF EXAMINATION OF STEAM BOILER WHEN COLD

See Note on
Legal
Requirement and
space for
continuation of
entries over leaf.

**1. Name of
occupier**

**2. Address of factory or other premises where
boiler is situated**

**3. Type, description and distinctive
number of boiler.**

4. Country and year of manufacture.

The history should be briefly given, and the
examiner should state where he has seen
the last previous report.

**5. Date of last hydraulic test (if any), and
pressure applied.**

**6. Quality and source of
feed water**

**7. Is the boiler in the open or otherwise exposed to
the weather or to damp?**

8. Boiler:-

(a) What examination and tests were made? (See Note A overleaf. Particulars of any removal of brickwork, etc., should be given here.)

(b) What (if any) were inaccessible at this examination?

(c) Condition of boiler. (State any defects materially affecting the maximum permissible working pressure.)

External:
Internal:

9. Fittings and attachments.

(a) Are there proper fittings and attachments?

(b) Are all fittings and attachments in satisfactory condition (so far as ascertainable when not under pressure)?

10. Repairs (if any) required, and period within which they should be executed and any other conditions which the authorized boiler inspector thinks, it necessary to specify for securing safe working.

11. Maximum permissible working pressure calculated from dimensions and other data ascertained by the present examination, due allowance being made for conditions of working if unusual or exceptionally severe

Where repairs affecting the working pressure are required, state the safe working pressure:

- (a) before the expiration of the period specified in (10);
(b) after the examination of such period if the required repairs have not been completed;
(c) after the completion of the required repairs.

12. Other observations. (See Note C.)

I, (full name in BLOCK LETTER), hereby declare that I am a boiler inspector authorized by the Chief Inspector for the purpose of Section 47 of the Occupational Health and Safety Act,

2003, by dated and that, subject to any Certificate No. reservation- noted above of certain points for examination under steam pressure, on

The boiler above described was sufficiently scaled, prepared and (so far as its construction permits) made accessible for thorough examination and for such test were necessary for thorough examination, and that on the said date I thoroughly examined this boiler, including its fittings and attachments.

Occupational Safety and Health (Vessels under Pressure)

GN. No. 274 (cond....)

I certify that the above is true report of the result.

Date

.....
Signature of approved Inspector

Address
.....

TO BE ATTACHED TO THE GENERAL REGISTER

THIRD SCHEDULE

(Made under Regulation 12(9))

OCCUPATIONAL SAFETY AND HEALTH AUTHORITY (OSHA)

OSHA Form 108

REPORT OF EXAMINATION OF STEAM BOILER UNDER NORMAL STEAM PRESSURE

This form may also be used (so far as applicable) for supplementary reports on Economizers and (Super heaters)

1. **Name of occupier**

2. **Address of factory or other premises where steam boiler is situated**

3. **Type, description and distinctive number of boiler.**

4. **Condition.**
(External).
.....

5. **Fittings and attachments:-**
 - (a) (i) Is the safety valve so adjusted as to prevent the boiler being worked at a pressure greater than the maximum permissible working pressure specified in the last report (L.D. Form (F) 105) on the examination when cold?
(ii) If a lever safety valve, is the weight secured on the lever in the correct position?
 - (b) Is the pressure gauge working correctly

Occupational Safety and Health (Vessels under Pressure)

GN. No. 274 (cont....)

(c) Is the water gauge in proper working order?

6. **Repairs** (if any) required, and period within which they should be executed and any other conditions which the authorized boiler inspector thinks, it necessary to specify for securing safe working.

7. **Other observations.**

I, (full name in BLOCK LETTER), hereby declare that I am a boiler inspector authorized by the Chief Inspector for the purpose of Section 47 of the Occupational Health and Safety Act,

2003, by _____ dated _____ 2012 and Certificate No. _____ that, on _____ I examined the steam boiler above described under normal steam pressure.

I certify that the above is true report of the result.

Date _____

Signature of approved Inspector

Address P O. BOX 519
DAR-ES-SALAAM

TO BE ATTACHED TO THE GENERAL REGISTER

FOURTH SCHEDULE

(Made under Regulation 14(6))

OCCUPATIONAL SAFETY AND HEALTH AUTHORITY (OSHA)

OSHA Form 110.

Report of Examination of Air Receiver

See Note on Legal Requirement in OHS Act no 5 of 2003

1.Name of occupier

2.Address of factory where air receiver is situated

3. Type, description and distinctive number of receiver.

4. Country and year of manufacture. The history should be briefly given, and the examiner should state where he has seen the last previous report.

5. Date of last hydraulic test (if any), and pressure applied.

6. Receiver (a) What parts (if any) were inaccessible? (d) What examination and tests were made? (See Note A overleaf.) (e) Condition of receiver. (State any defects materially affecting the safe working pressure. External: Internal:

7. Fittings. Are the required fittings and appliances provides in accordance with the OHS Act? Are all fittings and appliances properly maintained and in good condition? (See Note B.)

Occupational Safety and Health (Vessels under Pressure)

GN. No. 274 (contd....)

- 8. Repairs** (if any) required, and period within which they should be executed, and any other conditions which the person making the examination thinks it necessary to specify for securing safe working. _____
- 9. Safe working pressure** calculated from dimensions and other data ascertained by the present examination, due allowance being made for conditions of working if unusual or exceptionally severe _____
- Where repairs affecting the working pressure are required, state the safe working pressure:
- (a) before the expiration of the period specified in (8); _____ (a) - _____
- (d) after the examination of such period if the required repairs have not been completed; _____ (b) - _____
- (e) after the completion of the required repairs. _____ (c) - _____

10. Other observations. (See Note C.) _____

I (full name in BLOCK LETTER), _____ Hereby
that I am a person approve by the Chief Inspector for the purpose of Section 49 of the Occupational Health and Safety Act,

2003, _____ by _____ dated _____ and that, subject to any
Certificate No. _____ reservation noted above of certain points for examination under
normal pressure, on _____

The air receiver above described was thoroughly clean and (so far its construction permits) made accessible for thorough examination and for such test were necessary for thorough examination, and that on the said date I thoroughly examined this receiver, including its fittings.

I certify that the above is true report of the result.
Date _____

Signature of approved Inspector

Address OSHA, BOX 519
DAR ES SALAAM.

TO BE ATTACHED TO THE GENERAL REGISTER

FIFTH SCHEDULE

(Made under Regulation 13(9))

OCCUPATIONAL SAFETY AND HEALTH AUTHORITY (OSHA)

**OSHA Form
109.**

REPORT OF EXAMINATION OF STEAM RECEIVER

See Note on
Legal
Requirement and
space for
continuation of
entries over leaf.

1. **Name of occupier**

2. **Address of factory or other premises where air receiver is situated**

3. **Type, description and distinctive number of receiver.**

4. **Country and year of manufacture.**
The history should be briefly given, and the examiner should state where he has seen the last previous report.

5. **Date of last hydraulic test (if any), and pressure applied and for how long maintained.**

6. **Maximum pressure of steam at source of supply to the receiver.**
(See Note A overleaf).
7. **Receiver**

(a) What parts (if any) were inaccessible?

(f) What examination and tests were made? (See Note B)

(g) Condition of receiver. (State any defects materially affecting the safe working pressure.) { External: Internal: }

8. Fittings.

Is the receiver so constructed as to withstand with safety the maximum pressure of steam at source of supply? If not are the required fittings and appliances provided in accordance with the Ordinance?

Are all fittings and appliances properly maintained and in good condition? (See Note C.)

9. Repairs (if any) required, and period within which they should be executed, and any other conditions which the authorized boiler inspector thinks it necessary to specify for securing safe working.

10 Safe working pressure calculated from dimensions and other data ascertained by the present examination, due allowance being made for conditions of working if unusual or exceptionally severe

Where repairs affecting the working pressure are required, state the safe working pressure: (a) before the expiration of the period specified in (8); (b) after the examination of such period if the required repairs have not been completed; (c) after the completion of the required repairs.

11. Other observations _____

I (full name in BLOCK LETTER), _____ hereby declare that I am a person approve by the Chief Inspector of Factories for the purpose of Section 38 of the Factories Ordinance,

1950, by _____ dated _____ and that, subject to any Certificate No. _____ reservation noted above of certain points for examination under steam pressure, on _____

I thoroughly examined the steam receiver above described (so far its construction permits) including its fittings and appliances.

I certify that the above is true report of the result.

Date _____
Address _____

Signature of approved Inspector

TO BE ATTACHED TO THE GENERAL REGISTER

Dar es Salaam
16th September, 2016

JENISTA J. MHAGAMA,
*Minister of State, Prime Minister's Office,
(Policy, Parliamentary Affairs, Labour, Youth,
Employment and Persons with Disability)*